

API Fields

REST API



Reference Guide

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REST API Field Reference

This section provides you with information about the REST API field reference.

Audience and Purpose

This guide is written for application developers who want to use the REST API to integrate Cybersource services into an order management system. Implementing Cybersource services requires software development skills. You must write code that uses the REST API request and reply fields.

Conventions

These special statements are used in this document:



Important

An Important statement contains information essential to successfully completing a task or learning a concept.



Warning

A Warning contains information or instructions, which, if not heeded, can result in a security risk, irreversible loss of data, or significant cost in time or revenue or both.

Related Documentation

Refer to the Technical Documentation Hub in the Cybersource Developer Center for additional technical documentation:

<https://developer.cybersource.com/docs.html>

Customer Support

For support information about any service, visit the Support Center:

<http://support.cybersource.com>

Recent Revisions to This Document

24.09

April 2024: This revision of the guide contains updated or new field information.

Added these new fields:

- `paymentInsightsInformation.orchestration.infoCodes[]`

Updated these fields:

- `orderInformation.lineItems[].amountIncludesTax`

Updated these field groups:

- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configuration.common.processors.[processorName]`
- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configuration.features.cardNotPresent.processors.[processorName]`
- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.features.cardNotPresent.processors.[processorName]`
- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.features.cardPresent.processors.[processorName]`
- `productInformation.selectedProducts.payments.echeck.configurationInformation.configurations.common.processors.[processorName]`
- `productInformation.selectedProducts.payments.payerAuthentication.configurationInformation.configurations.common.processors.[processorName]`

Added these new fields:

- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configuration.features.cardNotPresent.amexTransactionAdviceAddendum1`
- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configuration.common.processors.[processorName].acquirer.institutionId`
- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configuration.common.processors.[processorName].acquirerMerchantId`
- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configuration.features.cardNotPresent.amexTransactionAdviceAddendum1`
- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configuration.features.cardNotPresent.enhancedData`
- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configuration.common.processors.[processorName].merchantTier`

- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configur[processorName].paymentTypes.[paymentType].currencies.[currency].merchantId`
- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configur[processorName].paymentTypes.[paymentType].currencies.[currency].terminalId`
- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configur[processorName].paymentTypes.[paymentType].currencies.[currency].terminalIds`
- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configur[processorName].terminalId`
- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configur.subMerchantBusinessName`
- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configur`
- `productInformation.selectedProducts.payments.secureAcceptance.subscriptionInformation.enabled`
- `productInformation.selectedProducts.payments.secureAcceptance.subscriptionInformation.selfS`
- `productInformation.selectedProducts.payments.tax.subscriptionInformation.enabled`
- `productInformation.selectedProducts.payments.tax.subscriptionInformation.selfServiceability`
- `productInformation.selectedProducts.payments.unifiedCheckout.subscriptionInformation.enabled`
- `productInformation.selectedProducts.payments.unifiedCheckout.subscriptionInformation.selfSer`
- `productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurglobalPaymentInformation.basicInformation.defaultPaymentType`
- `productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurglobalPaymentInformation.basicInformation.defaultTransactionType`
- `productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurglobalPaymentInformation.basicInformation.displayInternet`
- `productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurglobalPaymentInformation.basicInformation.displayMoto`
- `productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurglobalPaymentInformation.basicInformation.displayRetail`
- `productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurglobalPaymentInformation.merchantDefinedDataFields.displayMerchantDefinedData1`
- `productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurglobalPaymentInformation.merchantDefinedDataFields.displayMerchantDefinedData2`
- `productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurglobalPaymentInformation.merchantDefinedDataFields.displayMerchantDefinedData3`
- `productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurglobalPaymentInformation.merchantDefinedDataFields.displayMerchantDefinedData4`
- `productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurglobalPaymentInformation.merchantDefinedDataFields.displayMerchantDefinedData5`
- `productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurglobalPaymentInformation.merchantDefinedDataFields.merchantDefinedData1DisplayOnReceipt`
- `productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurglobalPaymentInformation.merchantDefinedDataFields.merchantDefinedData2DisplayOnReceipt`
- `productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurglobalPaymentInformation.merchantDefinedDataFields.merchantDefinedData3DisplayOnReceipt`

- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.merchantDefinedDataFields.merchantDefinedData4DisplayOnReceipt**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.merchantDefinedDataFields.merchantDefinedData5DisplayOnReceipt**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.merchantDefinedDataFields.requireMerchantDefinedData1**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.merchantDefinedDataFields.requireMerchantDefinedData2**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.merchantDefinedDataFields.requireMerchantDefinedData3**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.merchantDefinedDataFields.requireMerchantDefinedData4**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.merchantDefinedDataFields.requireMerchantDefinedData5**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.paymentInformation.acceptedCardTypes**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.paymentInformation.displayBillPayment**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.paymentInformation.displayCardVerificationValue**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.paymentInformation.displayCreditCards**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.paymentInformation.displayDebtIndicator**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.paymentInformation.displayEchecks**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.paymentInformation.displayFirstName**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.paymentInformation.displayIgnoreECheckAvsCheckbox**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.paymentInformation.displayLastName**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.paymentInformation.enableEchecks**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.paymentInformation.firstNameRequired**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.paymentInformation.lastNameRequired**
- **productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurationInformation.globalPaymentInformation.paymentInformation.requireCardVerificationValue**

24.08

April 2024: This revision of the guide contains updated or new field information.
Updated these fields:

- **processorInformation.responseCode**

Added these new fields:

- **clientReferenceInformation.partner.developerId**
- **processingInformation.authorizationOptions.paymentTypeIndicator**
- **tokenInformation.additionalInformation**

24.07

April 2024: This revision of the guide contains updated or new field information.

Added these new fields:

- **paymentAccountInformation.features.healthCard**
- **paymentInformation.shippingAddress.id**
- **processingInformation.enablerId**

Updated these fields:

- **aggregatorInformation.aggregatorId**
- **aggregatorInformation.subMerchantId**
- **consumerAuthenticationInformation.paSpecificationVersion**
- **issuerInformation.transactionInformation**
- **merchantInformation.salesOrganizationId**
- **paymentInsightInformation.responseInsights.category**
- **pointOfSaleInformation.emv.tags**
- **pointOfSaleInformation.encryptedPin**
- **processingInformation.authorizationOptions.authType**
- **processingInformation.networkPartnerId**
- **processorInformation.merchantAdvice.code**
- **processorInformation.merchantAdvice.codeRaw**

24.06

March 2024: This revision of the guide contains updated or new field information.

Added these new fields:

- **allowedCardNetworks**
- **allowedPaymentNetworks**
- **captureMandate.billingType**
- **captureMandate.requestEmail**
- **captureMandate.requestPhone**
- **captureMandate.requestShipping**
- **captureMandate.shipToCountries**
- **captureMandate.showAcceptedNetworkIcons**
- **clientVersion**
- **consumerAuthenticationInformation.dsReferenceNumber**
- **country**

- **locale**
- **processingInformation.transactionTypeIndicator**
- **targetOrigins**

24.05

February 2024: This revision of the guide contains updated or new field information. Added this new field:

- **watchlistScreeningInformation.proceedOnMatch**

24.04

February 2024: This revision of the guide contains updated or new field information. Updated the field length for **installmentInformation.identifier**

24.03

January 2024: This revision of the guide contains updated or new field information. Added these new fields:

- **orderInformation.billTo.company.phoneNumber**
- **orderInformation.billTo.middleName**
- **orderInformation.billTo.namePrefix**
- **orderInformation.billTo.nameSuffix**
- **orderInformation.billTo.company.phoneNumber**
- **paymentInformation.bank.account.checkTransactionCode**
- **validationInformation.accountType**
- **validationInformation.authorizationLevel**
- **validationInformation.bank.accountOwner.customerDataConditionCode**
- **validationInformation.bank.accountOwner.matchAddress**
- **validationInformation.bank.accountOwner.matchAdministrativeArea**
- **validationInformation.bank.accountOwner.matchCompanyName**
- **validationInformation.bank.accountOwner.matchCompanyPhoneNumber**
- **validationInformation.bank.accountOwner.matchDateOfBirth**
- **validationInformation.bank.accountOwner.matchFirstName**
- **validationInformation.bank.accountOwner.matchFullName**
- **validationInformation.bank.accountOwner.matchLastName**
- **validationInformation.bank.accountOwner.matchLocality**
- **validationInformation.bank.accountOwner.matchMiddleName**
- **validationInformation.bank.accountOwner.matchNamePrefix**
- **validationInformation.bank.accountOwner.matchNameSuffix**
- **validationInformation.bank.accountOwner.matchPersonalIdentificationID**
- **validationInformation.bank.accountOwner.matchPersonalIdentificationIssuedBy**
- **validationInformation.bank.accountOwner.matchPersonalIdentificationType**
- **validationInformation.bank.accountOwner.matchPhoneNumber**
- **validationInformation.bank.accountOwner.matchSocialSecurityNumber**

- **validationInformation.bank.accountOwner.matchTaxId**
- **validationInformation.bank.accountOwner.matchPostalCode**
- **validationInformation.bank.accountOwner.overallMatchScore**
- **validationInformation.bank.accountStatus.addedOrClosedDate**
- **validationInformation.bank.accountStatus.additionalStatusCode**
- **validationInformation.bank.accountStatus.fcraDisputeCode**
- **validationInformation.bank.accountStatus.lastUpdateDate**
- **validationInformation.bank.accountStatus.previousStatusCode**
- **validationInformation.bank.accountStatus.primaryStatusCode**
- **validationInformation.bank.accountStatus.scoredAccountProcessorResponse1**
- **validationInformation.bank.accountStatus.scoredAccountProcessorResponse2**
- **validationInformation.bank.accountStatus.scoredAccountProcessorResponse3**
- **validationInformation.bank.accountStatus.scoredAccountProcessorResponse5**
- **validationInformation.bank.accountStatus.secondaryStatusCode**
- **validationInformation.calculatedResponse**
- **validationInformation.resultCode**
- **validationInformation.referenceID**
- **validationInformation.transactionReason**
- **validationInformation.validationType**

Updated the processors that support these fields:

- **buyerInformation.merchantCustomerID**
- **consumerAuthenticationInformation.cavvAlgorithm**
- **orderInformation.billTo.company.name**
- **orderInformation.shipTo.address1**
- **orderInformation.shipTo.address2**
- **orderInformation.shipTo.firstName**
- **orderInformation.shipTo.lastName**
- **orderInformation.shipTo.locality**
- **paymentInformation.card.cardType**
- **paymentInformation.card.securityCode**
- **paymentInformation.card.type**
- **paymentInformation.tokenizedCard.securityCode**
- **paymentInformation.tokenizedCard.type**
- **processingInformation.commerceIndicator**
- **processorInformation.retrievalReferenceNumber**

24.02

January 2024: This revision of the guide contains updated or new field information. Added clarifying information for FDC Nashville Global about the uses of this field:

- **processorInformation.merchantAdvice.code**

24.01

January 2024: This revision of the guide contains editorial improvements and potentially updated or new field information.

Added an important note about relaxed requirements for address data and the expiration date to these fields:

- **orderInformation.billTo.address1**
- **orderInformation.billTo.administrativeArea**
- **orderInformation.billTo.country**
- **orderInformation.billTo.email**
- **orderInformation.billTo.firstName**
- **orderInformation.billTo.lastName**
- **orderInformation.billTo.locality**
- **orderInformation.billTo.postalCode**
- **paymentInformation.card.expirationMonth**
- **paymentInformation.card.expirationYear**

Added clarifying information for FDC Nashville Global about the uses of these fields:

- **issuerInformation.responseCode**
- **processorInformation.merchantAdvice.code**

23.12

December 2023: This revision of the guide contains editorial improvements and potentially updated or new field information.

Fields Added

- **merchantDefinedSecureInformation[].key**: Name that you assign as the key for your merchant-defined secure data field.
- **merchantDefinedSecureInformation[].value**: Merchant-defined secure data field to be passed in an authorization request.

23.11

November 2023: This revision of the guide contains editorial improvements and potentially updated or new field information.

23.10

October 2023: This revision of the guide contains editorial improvements and potentially updated or new field information.

23.09

September 2023: This revision of the guide contains editorial improvements and potentially updated or new field information.

23.08

August 2023: This revision of the guide contains editorial improvements and potentially updated or new field information.

23.07

July 2023: This revision of the guide contains editorial improvements and potentially updated or new field information.

VISA Platform Connect: Specifications and Conditions for Resellers/Partners

The following are specifications and conditions that apply to a Reseller/Partner enabling its merchants through Cybersource for Visa Platform Connect (“VPC”) processing. Failure to meet any of the specifications and conditions below is subject to the liability provisions and indemnification obligations under Reseller/Partner’s contract with Visa/Cybersource.

1. Before boarding merchants for payment processing on a VPC acquirer’s connection, Reseller/Partner and the VPC acquirer must have a contract or other legal agreement that permits Reseller/Partner to enable its merchants to process payments with the acquirer through the dedicated VPC connection and/or traditional connection with such VPC acquirer.
2. Reseller/Partner is responsible for boarding and enabling its merchants in accordance with the terms of the contract or other legal agreement with the relevant VPC acquirer.
3. Reseller/Partner acknowledges and agrees that all considerations and fees associated with chargebacks, interchange downgrades, settlement issues, funding delays, and other processing related activities are strictly between Reseller and the relevant VPC acquirer.
4. Reseller/Partner acknowledges and agrees that the relevant VPC acquirer is responsible for payment processing issues, including but not limited to, transaction declines by network/issuer, decline rates, and interchange qualification, as may be agreed to or outlined in the contract or other legal agreement between Reseller/ Partner and such VPC acquirer.

DISCLAIMER: NEITHER VISA NOR CYBERSOURCE WILL BE RESPONSIBLE OR LIABLE FOR ANY ERRORS OR OMISSIONS BY THE VISA PLATFORM CONNECT ACQUIRER IN PROCESSING TRANSACTIONS. NEITHER VISA NOR CYBERSOURCE WILL BE RESPONSIBLE OR LIABLE FOR RESELLER/PARTNER BOARDING MERCHANTS OR ENABLING MERCHANT PROCESSING IN VIOLATION OF THE TERMS AND CONDITIONS IMPOSED BY THE RELEVANT VISA PLATFORM CONNECT ACQUIRER.

Introduction to the REST API Fields

REST, or (REpresentational State Transfer), is an architecture for developing web services. It enables communication between a client and server using HTTP protocols. REST-compliant machines communicate with each other using stateless messaging. Stateless messaging is a loosely coupled connection between a client and server, where each message is self-contained. This connection enables the client and server to communicate without first establishing a communication channel and without managing the state between systems. This guide provides an alphabetical list of the REST fields available through the Cybersource platform.

acquirerInformation

The following fields are related to acquirer information.

acquirerInformation. acquirerBin

Acquirer bank ID number that corresponds to a certificate that Cybersource already has.

- Visa format: 4XXXXX
- Mastercard format: 5XXXXX

Specifications

- Data Type: Positive Integer
- Data Length: 6

Mapping Information

- REST API Field: **acquirerInformation.acquirerBin**
- SCMP API Field: **pa_acquirer_bin**
- Simple Order API Field: **payerAuthEnrollService_acquirerBin**

acquirerInformation. country

Country code of the acquiring bank.

Issuers should be aware of the acquirer's country code when the acquirer country differs from the merchant country, and the acquirer is in the European Economic Area (EEA).

Specifications

- Data Type: String

- Data Length: 2

Mapping Information

- REST API Field: **acquirerInformation.country**
- SCMP API Field: **pa_acquirer_country**
- Simple Order API Field: **payerAuthEnrollService_acquirerCountry**

acquirerInformation. merchantId

User name on the Visa directory server.

The Visa directory server that is created when your acquirer sets up your account. This ID might be the same as your merchant ID. The user name can be 15 or 23 characters.

Specifications

- Data Type: Number
- Data Length: 15 or 23. The length depends upon the number assigned by acquiring bank.

Mapping Information

- REST API Field: **acquirerInformation.merchantId**
- SCMP API Field:
 - **pa_merchant_id**
 - **pa_ds_login_id**
- Simple Order API Field: **payerAuthEnrollService_merchantId**

acquirerInformation. password

Registered password for the Visa directory server.

For Mastercard, this value is always 12345678.

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

- REST API Field: **acquirerInformation.password**
- SCMP API Field: **pa_ds_password**
- Simple Order API Field: **payerAuthEnrollService_password**

addressVerificationInformation

The following fields are related to address verification.

addressVerificationInformation.addressType

Contains the record type of the postal code to which the address was matched. U.S. Addresses: Depending on the quantity and quality of the address information provided, this field contains one or two characters:

- One character: Sufficient correct information was provided to result in accurate matching.
- Two characters: Standardization would provide a better address if more or better input address information was available. The second character is **D** (default).

Blank fields are unassigned. When an address cannot be standardized, the parsing of the input data determines the address type. In this case, standardization can indicate a street, rural route, highway contract, general delivery, or PO box.

These address type codes are returned:

Address Type Codes

Code	Description
F	Firm.
G	General delivery.
H	High-rise apartment or office building.
M	Military.
P	Post office box.
R	Rural route or highway contract.
S	Street (usually one side of one city block).

Code	Description
FD	Firm default. The standardization process could not assign a firm extended ZIP code.
GD	General delivery default. Assigned when general delivery is the only primary name listed for the ZIP code.
HD	High-rise default. The standardization process assigned the extended ZIP code for the entire building. Assignment at the unit, floor, or wing level is possible. A suite or apartment number could be out of range.
RD	Rural route or highway contract default. The standardization process assigned the extended ZIP code for the entire route, but it was unable to assign the box number.
SD	Street default. The standardization process assigned the extended ZIP code for the block because there was no extended ZIP code for the building.
SR	Street served by route.
UD	Unique default. The owner of the ZIP code did not assign extended ZIP codes, or the address was not matched.

All Other Countries: This field contains one of these values:

- **P**: Post
- **S**: Street
- **X**: Unknown

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **addressVerificationInformation.addressType**
- SCMP API Field: **dav_address_type**
- Simple Order API Field: **davReply_addressType**

addressVerificationInformation. applicableRegion

The regional location of the delivery address.

Possible values include:

- **Canada**

- **International**
- **US**

The values of the error codes and status codes mean different things depending on the applicable region.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **addressVerificationInformation.applicableRegion**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

addressVerificationInformation. barCode.checkDigit

Check digit for the 11-digit delivery point barcode.

Specifications

- Data Type: Non-negative integer
- Data Length: 1

Mapping Information

- REST API Field: **addressVerificationInformation.barCode.checkDigit**
- SCMP API Field: **dav_bar_code_chkdigit**
- Simple Order API Field: **davReply_barCodeCheckDigit**

addressVerificationInformation. barCode.value

Delivery point bar code determined from the input address.

Specifications

- Data Type: String

- Data Length: 255

Mapping Information

- REST API Field: **addressVerificationInformation.barCode.value**
- SCMP API Field: **dav_bar_code**
- Simple Order API Field: **davReply_barCode**

addressVerificationInformation. careOf

Care of data dropped from the standard address.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **addressVerificationInformation.careOf**
- SCMP API Field: **dav_careof**
- Simple Order API Field: **davReply_careOf**

addressVerificationInformation. errorCode

Four-character error code returned for Canadian or international addresses.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **addressVerificationInformation.errorCode**
- SCMP API Fields:
 - **dav_ca_error_info** (Canadian)
 - **dav_intl_error_info** (international)
 - **dav_us_error_info** (US)
- Simple Order API Fields:
 - **davReply_caErrorInfo** (Canadian)
 - **davReply_intlErrorInfo** (international)

- **davReply_usErrorInfo** (US)

addressVerificationInformation.matchScore

Indicates the probable correctness of the address match.

Returned for U.S. and Canadian addresses. Returns a value from **0-9**, where **0** is most likely to be correct and **9** is least likely to be correct, or **-1** if there is no address match.

Specifications

- Data Type: Integer
- Data Length: 1

Mapping Information

- REST API Field: **addressVerificationInformation.matchScore**
- SCMP API Field: **dav_match_score**
- Simple Order API Field: **davReply_matchScore**

addressVerificationInformation.standardAddress.address1.withApartment

First line of the standardized address, including apartment information.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field:
addressVerificationInformation.standardAddress.address1.withApartment
- SCMP API Field: **dav_standard_address**
- Simple Order API Field: **davReply_standardizedAddress1**

addressVerificationInformation. standardAddress.address1. withoutApartment

First line of the standardized address, without apartment information.
Returned for US and Canadian addresses.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field:
addressVerificationInformation.standardAddress.address1.withoutApartment
- SCMP API Field: **dav_standard_address_noapt**
- Simple Order API Field: **davReply_standardizedAddressNoApt**

addressVerificationInformation. standardAddress.address2

Second line of the standardized address.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field:**addressVerificationInformation.standardAddress.address2**
- SCMP API Field:**dav_standard_address2**
- Simple Order API Field:**davReply_standardizedAddress2**

addressVerificationInformation. standardAddress.address3

Third line of the standardized address.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field:**addressVerificationInformation.standardAddress.address3**
- SCMP API Field:**dav_standard_address3**
- Simple Order API Field:**davReply_standardizedAddress3**

addressVerificationInformation. standardAddress.address4

Fourth line of the standardized address.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field:**addressVerificationInformation.standardAddress.address4**
- SCMP API Field:**dav_standard_address4**
- Simple Order API Field:**davReply_standardizedAddress4**

addressVerificationInformation. standardAddress.administrativeArea

United States Postal Service standardized state or province abbreviation.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **addressVerificationInformation.standardAddress.administrativeArea**
- SCMP API Field: **dav_standard_state**
- Simple Order API Field: **davReply_standardizedState**

addressVerificationInformation. standardAddress.country

Standardized country or region name.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **addressVerificationInformation.standardAddress.country**
- SCMP API Field: **dav_standard_country**
- Simple Order API Field: **davReply_standardizedCountry**

addressVerificationInformation. standardAddress.county

US county, if available.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **addressVerificationInformation.standardAddress.county**
- SCMP API Field: **dav_standard_county**

- Simple Order API Field:**davReply_standardizedCounty**

addressVerificationInformation. standardAddress.csz

Standardized city, state, or province and ZIP + 4 code or postal code line.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field:**addressVerificationInformation.standardAddress.csz**
- SCMP API Field:**dav_standard_csz**
- Simple Order API Field:**davReply_standardizedCSP**

addressVerificationInformation. standardAddress.iso.Country

Standardized two-character ISO country or region code.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **addressVerificationInformation.standardAddress.iso.Country**
- SCMP API Field: **dav_standard_iso_country**
- Simple Order API Field: **davReply_standardizedISOCountry**

addressVerificationInformation. standardAddress.locality

Standardized city name.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **addressVerificationInformation.standardAddress.locality**
- SCMP API Field: **dav_standard_city**
- Simple Order API Field: **davReply_standardizedCity**

addressVerificationInformation. standardAddress.postalCode

Standardized US ZIP + 4 postal code.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **addressVerificationInformation.standardAddress.postalCode**
- SCMP API Field: **dav_standard_zip**
- Simple Order API Field: **davReply_standardizedPostalCode**

addressVerificationInformation. statusCode

Four-to-ten-character status code.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **addressVerificationInformation.statusCode**
- SCMP API Fields:
 - **dav_ca_info**

- **dav_intl_info**
- **dav_us_info**
- Simple Order API Fields:
 - **davReply_calInfo**
 - **davReply_intlInfo**
 - **davReply_usInfo**

aggregatorInformation

The following fields are related to aggregators.

aggregatorInformation. aggregatorId

Value that identifies you as a payment aggregator.
Get this value from the processor.

FDC Compass

This value must consist of uppercase letters.

Chase Paymentech Solutions

This field is available only for Payouts transactions. It is not available for standard credit card transactions.

This field is optional in a request for an AFT with aggregator support an OCT with aggregator support.

Visa Platform Connect

This field is required for Payouts transactions making OCT requests from merchants that are payment facilitators using Visa Platform Connect.
The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR6
- Position: 95-105
- Field: Market Identifier / Payment Facilitator ID

Visa Platform Connect

This field is required in an authorization request message for Discover transactions.

Specifications

- Data Type: String
- Data Length:
 - Chase Paymentech Solutions: 204
 - Cielo: 11
 - FDC Nashville Global: 15
 - Getnet: 11
 - Rede: 11
 - Visa Platform Connect: American Express: 20, Mastercard and Visa: 11
 - All other processors: 20

Mapping Information

- REST API Field: **aggregatorInformation.aggregatorId**
- SCMP API Field: **aggregator_id**
- Simple Order API Fields:
 - **ccAuthService_aggregatorID**
 - **ccCaptureService_aggregatorID**
 - **ccCreditService_aggregatorID**
 - **octService_aggregatorID** (for Chase Paymentech Solutions)

aggregatorInformation.name

Payment aggregator business name.

Chase Paymentech Solutions

This field is available only for Payouts transactions only. It is not available for standard credit card transactions. It is optional for Mastercard and Visa transactions.

FDC Compass

This value must consist of uppercase letters.

Getnet

This value must consist of uppercase letters. Special characters are not allowed.

Visa Platform Connect

The value for this field does not map to the TC 33 capture file.

Payouts OCT:

Required in OCT requests from merchants that are payment facilitators using the Visa Platform Connect processor.

Specifications

- Data Type: String
- Data Length
 - American Express Direct: Maximum length of the aggregator name depends on the length of the sub-merchant name. The combined length for both values must not exceed 37 characters.
 - Chase Paymentech Solutions: 22 for Mastercard, 25 for Visa
 - FDC Compass: Maximum length of the aggregator name depends on the length of the sub-merchant name. The combined length for both values must not exceed 37 characters.
 - FDC Nashville Global: 12
 - Getnet: 7
 - : 25
 - Software Express: 37
 - Visa Platform Connect: 25

Mapping Information

- REST API Field: **aggregatorInformation.name**
- SCMP API Field: **aggregator_name**
- Simple Order API Fields:
 - **ccAuthService_aggregatorName**
 - **ccCaptureService_aggregatorName**
 - **ccCreditService_aggregatorName**
 - **octService_aggregatorName**

aggregatorInformation. serviceProvidername

Name of the transfer service provider.

This field is available only on the Visa Platform Connect processor.

With Mastercard payment cards, the value for this field corresponds to this data in the TC 33 capture file:

- Records: CP12 TCR2, TCR3, TCR4
- Field: Gateway Data

This field is required for Payouts original credit transaction (OCT) service requests from these types of merchants:

- Merchants who are payment facilitators.
- Merchants who want OCT processing to be deferred to a specified date and time.

To support Visa Direct transactions in Original Credit Transactions destined to issuers in Australia or Canada, you must include additional merchant address data in the authorization request:

- Field 43—Card Acceptor Name/Location
- Field 59—National Point-of-Service Geographical Data
- Field 104, Usage 2—Transaction-Specific Data in TLV format, Dataset ID 56—Additional Acceptance Information, Tag 81—Acceptor Legal Business Name

To process Faster Refund Original Credit Transactions (OCTs) in AP and the EU, include these fields in the request:

- Transaction Type
 - Record: Field 3
 - Positions: 1-2
- Transaction Amount
 - Record: Field 4
- Card Acceptor Name or Location
 - Record: Field 43
- Transaction Identifier
 - Record: Field 62.2 (in bitmap format)
- Message Reason Code
 - Record: Field 63.3
- Acceptor Legal Business Name
 - Record: 104, Usage 2—Transaction-Specific Data (in TLV format)
 - Dataset ID: 56
 - Tag: 81
- Business Application Identifier (BAI)
 - Record: 104, Usage 2—Transaction-Specific Data (in TLV format)
 - Dataset ID: 57
 - Tag: 01
- Visa Merchant Identifier
 - Record: 126.5

Specifications

- Data Type: String
- Data Length: 25

Mapping Information

- REST API Field: **aggregatorInformation.serviceProvidername**
- SCMP API Field: **service_provider_name**

- Simple Order API Field: **octService_serviceProviderName**

aggregatorInformation. subMerchant.address1

The first line of the street address of the submerchant associated with the aggregator.

Chase Paymentech Solutions

This field is available only for Payouts transactions. It is not supported for standard credit card transactions.

FDC Compass

This value must consist of uppercase letters.

Getnet

Allowable characters are letters, numbers, and spaces. Special characters are not allowed.

Visa Platform Connect

The value for this field does not map to the TC 33 capture file.

Specifications

- Data Type: String
- Data Length:
 - American Express Direct: 29
 - Chase Paymentech Solutions: 38
 - Cielo: 22
 - FDC Compass: 38
 - FDC Nashville Global: 25
 - Getnet: 40—When length is greater than 40, characters to the right of the 40th character are discarded.
 - : 29
 - Rede: 48
 - Software Express: 38
 - Visa Platform Connect: 29

Mapping Information

- REST API Field: **aggregatorInformation.subMerchant.address1**
- SCMP API Field: **submerchant_street**
- Simple Order API Field: **invoiceHeader_submerchantStreet**

aggregatorInformation. subMerchant.administrativeArea

Sub-merchant's state or province.
Use a state, province, or territory code.

Chase Paymentech Solutions

This field is available only for Payouts transactions. It is not supported for standard credit card transactions.

FDC Compass

This value must consist of uppercase characters.

Getnet

All characters must be uppercase letters. Special characters are not allowed.

Visa Platform Connect

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR4
- Position: 164-166
- Field: Region Code

Specifications

- Data Type: String
- Data Length:
 - Getnet: 2—When length is greater than 2, characters to the right of the 2nd character are discarded.
 - All other processors: 3

Mapping Information

- REST API Field: **aggregatorInformation.subMerchant.administrativeArea**
- SCMP API Field: **submerchant_state**
- Simple Order API Field: **invoiceHeader_submerchantState**

aggregatorInformation. subMerchant.cardAcceptorId

Unique identifier assigned by the payment card company to the sub-merchant.

FDC Nashville Global

This field is available only for aggregator authorizations with American Express.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **aggregatorInformation.subMerchant.cardAcceptord**
- SCMP API Field: **submerchant_merchant_id**
- Simple Order API Field: **invoiceHeader_submerchantMerchantID**

aggregatorInformation. subMerchant.country

Sub-merchant's country.
Use the two-character ISO country code.

Chase Paymentech Solutions

This field is available only for Payouts transactions. It is not supported for standard credit card transactions.

FDC Compass

This value must consist of uppercase letters.

Visa Platform Connect

The value for this field does not map to the TC 33 capture file.
You must include this field and the **merchantInformation.merchantDescriptor.country** field in your authorization and capture request if you use the Foreign Retail Indicator.
When this field and the **merchantInformation.merchantDescriptor.country** field are not set to the same value, the Foreign Retail Indicator is set to **F**.
When this field and the **merchantInformation.merchantDescriptor.country** field are set to the same value, the Foreign Retail Indicator is set to a space character.
The Foreign Retail Indicator field value corresponds to the data in the following TC 33 capture file:

- Record: CP01 TCR8
- Position: 166–168
- Field: Foreign Retail Indicator

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **aggregatorInformation.subMerchant.country**
- SCMP API Field: **submerchant_country**
- Simple Order API Field: **invoiceHeader_submerchantCountry**

aggregatorInformation.subMerchant.email

Sub-merchant's email address.

Chase Paymentech Solutions

This field is available only for Payouts transactions. It is not supported for standard credit card transactions.

Visa Platform Connect

With American Express, the value of this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCRB
- Position: 25–64
- Field: American Express Seller Email Address

Specifications

- Data Type: String
- Data Length:
 - FDC Nashville Global: 19
 - All other processors: 40

Mapping Information

- REST API Field: **aggregatorInformation.subMerchant.email**
- SCMP API Field: **submerchant_email**
- Simple Order API Field: **invoiceHeader_submerchantEmail**

aggregatorInformation.subMerchant.id

ID that you assigned to the sub-merchant.

FDC Compass

This value must consist of uppercase letters.

Chase Paymentech Solutions

This field is available only for Payouts transactions. It is not supported for standard credit card transactions.

Visa Platform Connect

This field is required for the Payouts OCT service requests from merchants that are payment facilitators using Visa Platform Connect.

With American Express, the value of this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCRB
- Position: 65–84
- Field: American Express Seller ID

With Mastercard and Visa, the value of this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR6
- Position: 117–131
- Field: Sub-Merchant ID

Visa Platform Connect

This field is required in an authorization request message for Discover transactions.

Specifications

- Data Type: String
- Data Length:
 - Cielo: 15
 - FDC Nashville Global: 14
 - Getnet: 15
 - Rede: 15
 - Visa Platform Connect: American Express: 20, Mastercard and Visa: 15
 - All other processors: 20

Mapping Information

- REST API Field: **aggregatorInformation.subMerchant.id**
- SCMP API Field: **submerchant_id**
- Simple Order API Field: **invoiceHeader_submerchantID**

aggregatorInformation.subMerchant.locality

Sub-merchant's city.

Chase Paymentech Solutions

This field is available only for Payouts transactions. It is not supported for standard credit card transactions.

FDC Compass

This value must consist of uppercase characters.

Getnet

Allowable characters are letters, numbers, and spaces. Special characters are not allowed.

Visa Platform Connect

The value for this field does not map to the TC 33 capture file.

Specifications

- Data Type: String
- Data Length:
 - Chase Paymentech Solutions: 21 for Mastercard, 13 for Visa
 - Cielo: 13
 - FDC Compass: 21
 - FDC Nashville Global: 11
 - Getnet: 13—When length is greater than 13, characters to the right of the 13th character are discarded.
 - Rede: 13
 - Software Express: 21
 - All other processors: 14

Mapping Information

- REST API Field: **aggregatorInformation.subMerchant.locality**
- SCMP API Field: **submerchant_city**
- Simple Order API Field: **invoiceHeader_submerchantCity**

aggregatorInformation. subMerchant.name

Sub-merchant's business name.

Chase Paymentech Solutions

This field is available only for Payouts transactions. It is not supported for standard credit card transactions.

FDC Compass

This value must consist of uppercase characters.

Visa Platform Connect

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCRB
- Position: 109-146
- Field: American Express Seller Name

Specifications

- Data Type: String
- Data Length:
 - American Express Direct: Maximum length of the sub-merchant name depends on the length of the aggregator name. The combined length for both values must not exceed 37 characters.
 - Chase Paymentech Solutions: Mastercard: 22, Visa: 25.
 - FDC Compass: American Express: 19. Mastercard: maximum length of the sub-merchant name depends on the length of the aggregator name. The combined length for both values must not exceed 37 characters.
 - FDC Nashville Global: American Express: 12. Mastercard: maximum length of the sub-merchant name depends on the length of the aggregator name: if aggregator name length is 1 through 3, maximum sub-merchant name length is 21; if aggregator name length is 4 through 7, maximum sub-merchant name length is 17; if aggregator name length is 8 through 12, maximum sub-merchant name length is 12.
 - Visa Platform Connect: American Express: maximum length of the sub-merchant name depends on the length of the aggregator name. The combined length for both values must not exceed 36 characters. Not used with other card types.

Mapping Information

- REST API Field: **aggregatorInformation.subMerchant.name**
- SCMP API Field: **submerchant_name**
- Simple Order API Field: **invoiceHeader_submerchantName**

aggregatorInformation. subMerchant.phoneNumber

Sub-merchant's telephone number.

Chase Paymentech Solutions

This field is available only for Payouts transactions. It is not supported for standard credit card transactions.

FDC Compass

This value must consist of numbers or a combinations of numbers and uppercase letters.

Formats:

- NNN-NNN-NNNN
- NNN-AAAAAAA

Visa Platform Connect

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCRB
- Position: 5-24
- Field: American Express Seller Telephone Number

Specifications

- Data Type: String
- Data Length:
 - Cielo: 13
 - FDC Compass: 13
 - FDC Nashville Global: 10
 - Software Express: 20
 - All other processors: 20

Mapping Information

- REST API Field: **aggregatorInformation.subMerchant.phoneNumber**
- SCMP API Field: **submerchant_telephone_number**
- Simple Order API Field: **invoiceHeader_submerchantTelephoneNumber**

aggregatorInformation. subMerchant.postalCode

Partial postal code for the sub-merchant's address.

Chase Paymentech Solutions

This field is available only for Payouts transactions. It is not supported for standard credit card transactions.

FDC Compass

This value must consist of uppercase letters.

Getnet

All characters must be numbers. Special characters are not allowed.

Visa Platform Connect

The value for this field does not map to the TC 33 capture file.

Specifications

- Data Type: String
- Data Length:
 - American Express Direct: 10
 - Chase Paymentech Solutions: 15
 - FDC Compass: 15
 - Software Express: 15
 - Visa Platform Connect: 10
 - All other processors: 9

Mapping Information

- REST API Field: **aggregatorInformation.subMerchant.postalCode**
- SCMP API Field: **submerchant_postal_code**
- Simple Order API Field: **invoiceHeader_submerchantPostalCode**

aggregatorInformation. subMerchant.region

Sub-merchant's region.

FDC Nashville Global

This field is available only for aggregator authorizations.

Example: **NE** indicates that the sub-merchant is in the northeast region.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **aggregatorInformation.subMerchant.region**
- SCMP API Field: **submerchant_region**
- Simple Order API Field: **invoiceHeader_submerchantRegion**

agreementInformation

The following fields are related to agreements.

agreementInformation. agreementId

Identifier for the billing agreement.

This API field is required when checking the status of a billing agreement.

Specifications

- Data Type: String
- Data Length: 50

Mapping Information

- REST API Field: **agreementInformation.agreementId**
- SCMP API Field: **ap_billing_agreement_id**
- Simple Order API Field: **ap_billingAgreementID**

allowedCardNetworks

The card networks that are allowed for the merchant.

Possible values:

- AMEX
- DINERSCLUB
- DISCOVER
- JCB
- MASTERCARD
- VISA

Specifications

- Data Type: Enum

Mapping Information

- REST API Field: **allowedCardNetworks**
- Simple Order API Field: No corresponding field.

allowedPaymentTypes

The payment types that are allowed for the merchant.

Possible values:

- `CLICKTOPAY`
- `GOOGLEPAY`
- `PANENTRY`

Specifications

- Data Type: Enum

Mapping Information

- REST API Field: **allowedPaymentTypes**
- Simple Order API Field: No corresponding field.

authorizationInformation

The following fields are related to authorizations.

authorizationInformation. approvalCode

Authorization code.

This field is returned only when the value is sent by the processor.

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

- REST API Field: **authorizationInformation.approvalCode**
- SCMP API Field: **auth_reversal_auth_code**
- Simple Order API Field: **ccAuthReversalReply_authorizationCode**

authorizationInformation. reasonCode

Response flag for the original transaction.

Specifications

- Type: String
- Length: 50

Mapping Information

- REST API Field: **authorizationInformation.reasonCode**
- SCMP API Field: **original_transaction_rflag**
- Simple Order API Field: No corresponding field

authorizationInformation.reversalSubmitted

Flag that indicates whether a full authorization reversal was successfully submitted. This field is available only on the FDC Nashville Global processor.

Possible values:

- **Y**: Authorization reversal was successfully submitted.
- **N**: Authorization reversal was not successfully submitted. You must send a credit request for a refund.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **authorizationInformation.reversalSubmitted**
- SCMP API Field: **reversal_submitted**
- Simple Order API Field: **voidReply_reversalSubmitted**

authorizationOptions

The following fields provide authorization option information.

authorizationOptions. initiator. merchantInitiatedTransaction. agreementId

Unique ID generated by the merchant for recurring and unscheduled card-on-file transactions, and shared in subsequent transactions.

This field is required for all unscheduled card-on-file and recurring subsequent transactions from Saudi Arabia merchants. The merchant generates an agreement ID for each card holder or payment agreement. This field can contain foreign/Arabic character set. This value is forwarded to the Saudi payment processor.

Specifications

- Data Type: String
- Data Length: 140

Mapping Information

- REST API Field: **authorizationOptions.initiator.merchantInitiatedTransaction.agreementId**
- SCMP API Field: **agreement_id**
- Simple Order API Field: **agreementID**

buyerInformation

The following fields are related to buyers.

buyerInformation. companyTaxId

Tax identifier for the customer's company.

This field is supported only for these kinds of payments on Visa Platform Connect:

- BNDES transactions
- Installment payments with Mastercard

Set the value for this field to the Cadastro Nacional da Pessoa Jurídica (CNPJ).

The request must include this field or **buyerInformation.personalIdentification[].id** and **buyerInformation.personalIdentification[].type**. When a request includes both fields, the value for the **buyerInformation.personalIdentification[].id** and **buyerInformation.personalIdentification[].type** fields is sent to the processor and the **buyerInformation.companyTaxId** field is ignored.

For BNDES transactions, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP07 TCR6
- Position: 26-39
- Field: Buyer ID

For installment payments with Mastercard in Brazil, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP07 TCR4
- Position: 26-39
- Field: Buyer ID

Specifications

- Data Type: String

- Data Length: 9

Mapping Information

- REST API Field: **buyerInformation.companyTaxId**
- SCMP API Field: **bill_company_tax_id**
- Simple Order API Field: **billTo_companyTaxID**

buyerInformation. dateOfBirth

Date of birth of the customer in the format: YYYY-MM-DD or YYYYMMDD.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **buyerInformation.dateOfBirth**
- SCMP API Field: **date_of_birth**
- Simple Order API Field: **billTo_dateOfBirth**

buyerInformation. hashedPassword

Customer's account password.

This value is for merchant velocity use only. It is not stored, displayed, or returned. Do not add random strings of characters to passwords (salting) that are used with this field because that prevents accurate velocity tests.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **buyerInformation.hashedPassword**
- SCMP API Field: **customer_password**
- Simple Order API Field: **billTo_customerPassword**

buyerInformation. language

Language indicator for Korea Cyber Payment (KCP) services.

Possible values:

- **EN**: English
- **Korean**: Korean (default)

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

- REST API Field: **buyerInformation.language**
- SCMP API Field: **ap_initiate_language_interface**
- Simple Order API Field: **apInitiateService_languageInterface**

buyerInformation. merchantCustomerId

Customer identifier.

This field is available only on the Banque de France et Tresor Public, Barclays, BNP Paribas France, Credit Mutuel-CIC, FDC Compass, FDMS South, Prosa, and Worldpay VAP processors.

These processors have specific requirements:

Credit Mutuel-CIC

For recurring payments in Mexico, the value for this field is the customer's contract number.

Before you request the authorization, you must inform the issuer about the customer contract numbers that will be used for recurring transactions.

Prosa

For recurring payments in Mexico, the value for this field is the customer's contract number.

Worldpay VAP

For a follow-on credit, Cybersource verifies these fields in the order given for a customer account ID value, and it uses the first value it finds:

1. The **buyerInformation.merchantCustomerId** field value in the follow-on credit request.
2. The **buyerInformation.merchantCustomerId** field value that was used for the capture that is being credited.
3. The **buyerInformation.merchantCustomerId** field value that was used for the original authorization.

Specifications

- Data Type: String
- Data Length
 - Banque de France et Tresor Public: 20
 - Barclays: 17
 - BNP Paribas France: 20
 - Credit Mutuel-CIC: 20
 - FDC Compass: 100
 - FDMS South: 17
 - Prosa: 20

Mapping Information

- REST API Field: **buyerInformation.merchantCustomerId**
- SCMP API Fields:
 - **customer_account_id**
 - **purchaser_code**
- Simple Order API Fields:
 - **billTo_customerID**
 - **invoiceHeader_purchaserCode**
This field is available only on the Barclaysprocessor.

buyerInformation. mobilePhone

Cardholder's mobile phone number.

Specifications

- Data Type: Integer
- Data Length: 25

Mapping Information

- REST API Field: **buyerInformation.mobilePhone**
- SCMP API Field: **pa_mobile_phone**
- Simple Order API Field: **payerAuthEnrollService_mobilePhone**

buyerInformation.personalIdentification[].id

Personal ID value, based on the personal ID type.

For example, if the personal ID type is Passport, the passport holder's passport number would be the value of this field.

Syntax

```
"buyerInformation": {
  "personalIdentification": [
    {
      "type": "TAX_ID",
      "id": "A30328567",
      "issuedBy": "US"
    }
  ]
}
```

Specifications

- Data Type: String
- Data Length: 26

Mapping Information

- REST API Field: **buyerInformation.personalIdentification.id**
- SCMP API Fields:
 - **verification_results_passport_number**
 - **verification_results_personal_id**
 - **verification_results_driver_license_no**
 - **verification_results_buyer_registration**
- SO API Fields:
 - **verificationResults_passportNumber**
 - **verificationResults_personalID**

- **verificationResults_driversLicenseNumber**
- **verificationResults_buyerRegistration**

buyerInformation.personalIdentification.issuedBy

A two or three character code that indicates the identity of the issuing authority usually a state or country code.

Use the two-character ISO state or country code.

Syntax

```
"buyerInformation": {
  "personalIdentification": [
    {
      "type": "TAX_ID",
      "id": "A30328567",
      "issuedBy": "US"
    }
  ]
}
```

Specifications

- Data Type: String
- Data Length: 2-6

Mapping Information

- REST API Fields: **buyerInformation.personalIdentification.issuedBy**
- SCMP API Field: **personal_id_issued_by**
- Simple Order API Field: **personalID_issuedBy**

buyerInformation.personalIdentification[].type

The type of document issued that identifies the account owner/authorized signer.

Valid values:

- 0 – Driver's License (USA)
- 1 – Military (USA)
- 2 – Passport
- 3 – Resident Alien ID
- 4 – State Identification

- 5 – Student Identification
- 6 – Driver’s License (Foreign)
- 7 – Driver’s License (Canada)
- 8 – Driver’s License (Mexico)
- 9 – Other Primary ID (Foreign)
- A – Matricula Consular Card
- B – South America Cedula No.

Type of the personal identification.

Possible values include:

- **NATIONAL**: National ID
- **CPF**: Cadastro de Pessoas Fisicas (CPF)
- **CNPJ**: Cadastro Nacional da Pessoa Juridica (CNPJ)
- **CURP**: Clave Única de Registro de Población (CURP)
- **DRIVER_LICENSE**: Drivers License
- **MATRICULA_CONSULAR_CARD**:
- **MILITARY**:
- **OTHER**:
- **PASSPORT_NUMBER**: Passport
- **PERSONAL_ID**: Other Personal ID
- **RESIDENT_ALIEN**:
- **SOUTH_AMERICA_CEDULA_NO**:
- **SSN**: Social Security Number
- **STATE**:
- **STUDENT**:
- **TAX_ID**: Tax ID

Comercio Latino

Set this field to the Cadastro de Pessoas Fisicas (CFP). The CFP number is required for AVS for Redecard in Brazil.

Cybersource Latin American Processing

Set this field to the Cadastro de Pessoas Fisicas (CFP). The CFP number is required for AVS for Redecard in Brazil.

Syntax

```
"buyerInformation": {
  "personalIdentification": [
    {
      "type": "TAX_ID",
      "id": "A30328567",
      "issuedBy": "US"
    }
  ]
}
```

Specifications

- Data Type: String
- Data Length: Fixed, based on above list.

Mapping Information

- REST API Field: **buyerInformation.personalIdentification.type**
- SCMP API Fields:
 - **personal_id_number**
 - **personal_id_type**
 - **verification_results_merchant_tax_id**
 - **verification_results_passport_number**
 - **verification_results_personal_id**
 - **verification_results_driver_license_no**
 - **verification_results_buyer_registration**
- Simple Order API Fields:
 - **personalID_number**
 - **personalID_type**
 - **verificationResults_merchantTaxID**
 - **verificationResults_passportNumber**
 - **verificationResults_personalID**
 - **verificationResults_driversLicenseNumber**
 - **verificationResults_buyerRegistration**

buyerInformation. personalIdentification[]. verificationResults

Verification results for Issuer or Card Network for verification transactions.

Possible values:

- **1**: Verified.
- **2**: Failed.
- **3**: Verification was not performed.
- **4**: Issuer does not support verification.

Syntax

```
"buyerInformation": {
  "personalIdentification": [
    {
      "type": "TAX_ID",
```



```

    "id": "A30328567",
    "issuedBy": "US",
    "verificationResults": "INVALID_DATA"
  }
]

```

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **buyerInformation.personalIdentification.verificationResults**
- SCMP API Fields:
 - **customer_passport_number** (request)
 - **drivers_license_no** (request)
 - **personal_id** (request)
 - **verification_results_passport_number** (return)
 - **verification_results_personal_id** (return)
 - **verification_results_driver_license_no** (return)
 - **verification_results_buyer_registration** (return)
- Simple Order API Fields:
 - **billTo_driversLicenseNumber** (request)
 - **billTo_passportCountry** (request)
 - **billTo_passportNumber** (request)
 - **billTo_personalId** (request)
 - **verificationResults_passportNumber** (return)
 - **verificationResults_personalID** (return)
 - **verificationResults_driversLicenseNumber** (return)
 - **verificationResults_buyerRegistration** (return)

buyerInformation. vatRegistrationNumber

Buyer's VAT registration number.

This field is available on the Barclays, Elavon Americas, FDC Nashville Global, FDMS South, GPN, OmniPay Direct, RBS WorldPay Atlanta, TSYS Acquiring Solutions, and Visa Platform Connect processors.

Specifications

- Data Type: String
- Data Length: 25

Mapping Information

- REST API Field: **buyerInformation.vatRegistrationNumber**
- SCMP API Fields:
 - **buyer_registration**
 - **purchaser_vat_registration_number**
- Simple Order API Fields:
 - **invoiceHeader_purchaserVATRegistrationNumber**
This field is available only for authorizations on the Barclays processor.
 - **item_#_buyerRegistration**
 - **taxService_buyerRegistration**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Elavon Americas: Customer VAT Registration Number
- FDC Nashville Global: Customer VAT Registration Number
- FDMS South: Does not apply
- GPN: Customer VAT Number
- OmniPay Direct: Customer VAT Registration Number
- RBS WorldPay Atlanta: Customer VAT Number
- TSYS Acquiring Solutions: Customer VAT Registration Number
- Visa Platform Connect: purchaseVATRegistrationNumber

buyerInformation.workPhone

Cardholder's work phone number.

Specifications

- Data Type: Integer
- Data Length: 25

Mapping Information

- REST API Field: **buyerInformation.workPhone**
- SCMP API Field: **pa_work_phone**
- Simple Order API Field: **payerAuthEnrollService_workPhone**

captureMandate

The following fields are related to capture mandates.

captureMandate.billingType

Type of billing address information that is captured through the manual card entry UX in Unified Checkout.

Possible values:

- FULL
- NONE
- PARTIAL

Specifications

- Data Type: Enum

Mapping Information

- REST API Field: **captureMandate.billingType**
- Simple Order API Field: No corresponding field.

captureMandate.requestEmail

Capture email contact information in the manual card acceptance screens in Unified Checkout.

Possible values:

- true
- false

Specifications

- Data Type: Boolean

Mapping Information

- REST API Field: **captureMandate.requestEmail**
- Simple Order API Field: No corresponding field.

captureMandate.requestPhone

Capture phone contact information in the manual card acceptance screens in Unified Checkout.

Possible values:

- `true`
- `false`

Specifications

- Data Type: Boolean

Mapping Information

- REST API Field: **captureMandate.requestPhone**
- Simple Order API Field: No corresponding field.

captureMandate.requestShipping

Capture shipping information in the manual card acceptance screens in Unified Checkout.

Possible values:

- `true`
- `false`

Specifications

- Data Type: Boolean

Mapping Information

- REST API Field: **captureMandate.requestShipping**
- Simple Order API Field: No corresponding field.

captureMandate.shipToCountries

List of countries available to ship to in Unified Checkout. Use a two-character ISO country code.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **captureMandate.shipToCountries**
- Simple Order API Field: No corresponding field.

captureMandate. showAcceptedNetworkIcons

Show the list of accepted payment icons in the payment button in Unified Checkout.
Possible values:

- `true`
- `false`

Specifications

- Data Type: Boolean

Mapping Information

- REST API Field: **captureMandate.showAcceptedNetworkIcons**
- Simple Order API Field: No corresponding field.

cardEncryptionKeyName

An optional name for the card encryption Base Derivation Key (BDK) that is loaded on the terminal.

To get this value, contact Cybersource customer support.

Specifications

- Data Type: String
- Data Length: 64

Mapping Information

- REST API Field: **cardEncryptionKeyName**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

cardEncryptionKsi

Key serial identifier of the card encryption Base Derivation Key (BDK) that is loaded on the terminal.

To get this value, contact Cybersource customer support.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

- REST API Field: **cardEncryptionKsi**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

clientReferenceInformation

The following fields provide client reference information.

clientReferenceInformation. apiKey

PSP merchant API key.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **clientReferenceInformation.apiKey**
- SCMP API Field: **ap_api_key**
- Simple Order API Field: **ap_apiKey**

clientReferenceInformation. code

Order reference or tracking number that you generate.

Provide a unique value for each transaction so that you can perform meaningful searches for the transaction. Refer to the Getting Started with Cybersource Advanced guide.



Important

Depending on the values in your Cybersource account, there might be a requirement for this field's value to be unique within a 15-minute period.

Contact customer support to find out whether this requirement applies to your Cybersource account.

PIN Debit Transactions

Requests for PIN debit reversals must include the same merchant reference number that was used in the transaction that is being reversed.

FDC Nashville Global

During card-not-present transactions, certain circumstances can cause the processor to truncate this value to 15 or 17 characters for Level II and Level III processing, which can cause a discrepancy between the value you submit and the value included in some processor reports.

FDC Nashville Global

During card-present transactions, when you do not send a valid value, one is created for you. However, the value is not returned, so you cannot use it to track the order.

SIX

When a card-present request does not include a merchant reference number, this value is provided by the client software that is installed on the POS terminal.

Specifications

- Data Type: String
- Data Length: 50
- Data Length:
 - Asia, Middle East, and Africa GatewayData Length: 40
 - China UnionPayData Length: 12
 - Elavon AmericasData Length: 39
 - FDC Nashville GlobalData Length: 8
 - RuPayData Length: 24 (Credit Services)
 - RuPayData Length: 50 (Other services)
 - All Other Processor's Data Length: 8

Mapping Information

- REST API Field: **clientReferenceInformation.code**
- SCMP API Field: **merchant_ref_number**
- Simple Order API Field: **merchantReferenceCode**

clientReferenceInformation.comments

Comments about the transaction.

Mass Transit Transactions

Requests for Mass Transit transactions must include this field set to the value that corresponds to the type of transaction. The value that you send in this field appears in transaction details in the Business Center. For possible values, see the [Card Present Connect | Mass Transit Developer Guide](#).

Specifications

- Data Type: String
- Data Length: 256

Mapping Information

- REST API Field: **clientReferenceInformation.comments**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

clientReferenceInformation.ownerMerchantId

Merchant ID used to create the subscription or token.

Specifications

- Data Type: String
- Data Length: 30

Mapping Information

- REST API Field: **clientReferenceInformation.ownerMerchantId**
- SCMP API Fields:
 - **ecp_credit_owner_merchant_id**
 - **ecp_debit_owner_merchant_id**
- Simple Order API Fields:
 - **ecCreditReply_ownerMerchantID**

- **ecDebitReply_ownerMerchantID**

clientReferenceInformation. partner. developerId

Identifier for the developer that integrated a partner solution to Cybersource. Send this value in all requests that are sent through the partner solutions built but that developer. Cybersource assigns this ID to the developer.



Important

When you see a developer ID of 999 in reports, the submitted developer ID is incorrect.

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

- REST API Field: **clientReferenceInformation.partner.developerId**
- SCMP API Field: **developer_id**
- Simple Order API Field: **developerID**

clientReferenceInformation. partner. originalTransactionId

Value that links the previous transaction to the current follow-on request. This field is available only for Cybersource integrations.

This value is assigned by the client software that is installed on the POS terminal, which makes it available to the terminal's software and to Cybersource. Therefore, you can use this value to reconcile transactions between Cybersource and the terminal's software. This value is not sent to the processor. Instead, the value is forwarded to the Cybersource reporting software.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

- REST API Field: **clientReferenceInformation.partner.originalTransactionId**
- SCMP API Field: **partner_original_transaction_id**
- Simple Order API Field: **partnerOriginalTransactionID**

clientReferenceInformation. partner. solutionId

Identifier for pre-built partner solution that is integrated to Cybersource. Send this value in all requests that are sent through the partner solution. Cybersource assigns this ID to the partner.

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

- REST API Field: **clientReferenceInformation.partner.solutionId**
- SCMP API Field: **partner_solution_id**
- Simple Order API Field: **partnerSolutionID**

clientReferenceInformation. partner. thirdPartyCertificationNumber

Value that identifies the application vendor and application version for a third-party gateway.

You are provided with this value during testing and validation.

This field is supported only on Visa Platform Connect.

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **clientReferenceInformation.partner.thirdPartyCertificationNumber**
- SCMP API Field: **third_party_certification_number**

- Simple Order API Field: **thirdPartyCertificationNumber**

clientReferenceInformation. pausedRequestID

Used to resume a transaction that was paused for an order modification rule to allow for payer authentication to complete.

To resume and continue with the authorization/decision service flow, call the services and include the request ID from the prior decision call.

Specifications

- Data Type: String
- Data Length: 26

Mapping Information

- REST API Field: **clientReferenceInformation.pausedRequestID**
- SCMP API Field: **paused_request_id**
- Simple Order API Field: **decisionManager_pausedRequestID**

clientReferenceInformation. reconciliationId

Reference number for the transaction.

Important

For most Cybersource services, the response message includes a unique reconciliation ID that is assigned by Cybersource. For most payment processors, you can use this value to reconcile the transactions in your Cybersource reports with the transactions in your processor reports.

For details, such as specific field names and information about processors that do not support reconciliation, see the implementation guide or developer guide for the payment method you are using.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

- REST API Field: **clientReferenceInformation.reconciliationId**
- SCMP API Field: **ap_initiate_trans_ref_no**
- Simple Order API Fields:
 - **apInitiateReply_reconciliationID**
 - **apInitiateService_reconciliationID**

clientReferenceInformation. submitLocalDateTime

Local date and time at your physical location.

Format: **yyyyMMddhhmmss**

- **MM** = month
- **yyyy** = year
- **DD** = day
- **hh** = hour
- **mm** = minutes
- **ss** = seconds

Specifications

- Data Type: String
- Data Length: 14

Mapping Information

- REST API Field: **clientReferenceInformation.submitLocalDateTime**
- SCMP API Field: **transaction_local_date_time**
- Simple Order API Field: **transactionLocalDateTime**

clientReferenceInformation.transactionId

Identifier that you assign to the transaction.

Optional field for PIN debit purchase or credit requests.

This field is available only on the Visa Platform Connect processor.

PIN Debit Reversal Transactions

For a PIN debit reversal, your request must include a request ID or a merchant transaction identifier. The suggested format for this value is:

- Positions 1–4: Last four characters or your merchant ID.
- Positions 5–7: Julian date. Format: ddd
- Positions 8–13: Time stamp. Format: hhmmss
- Positions 14–15: Two arbitrary characters. One way to generate two arbitrary characters is to use a counter from 01–99.

Specifications

- Data Type: String
- Data Length:
 - PIN Debit Transactions: 15
 - Other Transactions: 30

Mapping Information

- REST API Field: **clientReferenceInformation.transactionId**
- SCMP API Fields:
 - **merchant_transaction_identifier**
 - **pin_debit_credit_transaction_id**
 - **pin_debit_purchase_transaction_id**
- Simple Order API Fields:
 - **merchantTransactionIdentifier**
 - **pinDebitCreditReply_transactionID**
 - **pinDebitPurchaseReply_transactionID**

clientVersion

Version number that is being used by the application.

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **clientVersion**
- Simple Order API Field: No corresponding field.

comment

Additional comments about the state of the terminal.

Specifications

- Data Type: String
- Data Length: 256

Mapping Information

- REST API Field: **comment**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

configVersion

Version of the terminal software configuration profile.
To get this value, contact Cybersource customer support.

Specifications

- Data Type: String
- Data Length: 64

Mapping Information

- REST API Field: **configVersion**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

consumerAuthenticationInformation

The following fields provide consumer authentication information.

consumerAuthenticationInformation. accessToken

JSON Web Token (JWT) used to authenticate the customer with the authentication provider (for example, CardinalCommerce or RuPay).

Specifications

- Data Type: String
- Data Length: 2048

Mapping Information

- REST API Field: **consumerAuthenticationInformation.accessToken**
- SCMP API Field: **pa_access_token**
- Simple Order API Fields:
 - **payerAuthEnrollReply_accessToken**
 - **payerAuthSetupReply_accessToken**

consumerAuthenticationInformation. acsOperatorID

Access Control Server (ACS) identifier assigned by the directory service.

Each directory service can assign a unique ID to each ACS. This field is used with 3-D Secure 2.0. Required in mada transaction responses.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

- REST API Field: **consumerAuthenticationInformation.acsOperatorID**
- SCMP API Field: **pa_acs_operator_id**
- Simple Order API Field: **payerAuthEnrollReply_acsOperatorId**

consumerAuthenticationInformation. acsReferenceNumber

Unique identifier assigned by the EMVCo upon testing and approval. This field is used with 3-D Secure 2.0.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

- REST API Field: **consumerAuthenticationInformation.acsReferenceNumber**
- SCMP API Field: **pa_acs_reference_number**
- Simple Order API Field: **payerAuthEnrollReply_acsReferenceNumber**

consumerAuthenticationInformation. acsRenderingType

Identifies the UI type that the ACS will use to complete the challenge. Available only for mobile application transactions using the Cardinal Mobile SDK. This field is a JSON object that comprises the following two fields, each two characters long.

- ACS Interface Field Name: **acsInterface** is the ACS interface the challenge presents to the cardholder. Possible values:

- **01**: Native UI.
- **02**: HTML UI.
- ACS UI Template Field Name: **acsUiTemplate** identifies the UI template format that the ACS first presents to the consumer. Possible values:
 - **01**: Text.
 - **02**: Single select.
 - **03**: Multi select.
 - **04**: OOB (Out of Band).
 - **05**: HTML other.

Valid values for each interface:

- Native UI: **01-04**.
- HTML UI: **01-05**.

HTML other is valid only when combined with HTML UI. If HTML other is used with Native UI, it results in error=203.

JSON Object Example: `{ "acsRenderingType":{ "acsInterface":"02", "acsUiTemplate":"03" } }`

Specifications

- Data Type: String
- Data Length: See description.

Mapping Information

- REST API Field: **consumerAuthenticationInformation.acsRenderingType**
- SCMP API Field: **pa_acs_rendering_type**
- Simple Order API Fields:
 - **payerAuthEnrollReply_acsRenderingType**
 - **payerAuthValidateReply_acsRenderingType**

consumerAuthenticationInformation. acsTransactionId

Unique transaction identifier assigned by the access control server (ACS) to identify a single transaction.

When you request the payer authentication and authorization services separately, get the value for this field from the **consumerAuthenticationInformation.acsTransactionId** response field.

Specifications

- Data Type: String
- Data Length: 36

Mapping Information

- REST API Field: **consumerAuthenticationInformation.acsTransactionId**
- SCMP API Fields:
 - **acs_server_transaction_id**
 - **pa_acs_transaction_id**
- Simple Order API Fields:
 - **ccAuthService_acsServerTransactionID**
 - **payerAuthEnrollReply_acsTransactionID**
 - **payerAuthValidateReply_acsTransactionID**

consumerAuthenticationInformation.acsUrl

URL for the card-issuing bank's authentication form that you receive when the card is enrolled.

The value can be very large.

Specifications

- Data Type: String
- Data Length: 2048

Mapping Information

- REST API Field: **consumerAuthenticationInformation.acsUrl**
- SCMP API Field: **pa_enroll_acs_url**
- Simple Order API Field: **payerAuthEnrollReply_acsURL**

consumerAuthenticationInformation.acsWindowSize

You can send this override field to set the challenge window size to display to the cardholder. The Access Control Server (ACS) replies with content that is formatted appropriately for this window size to allow for the best user experience. The sizes are width x height in pixels of the window displayed in the cardholder browser. Possible values:

- **Ø1**: 250x400
- **Ø2**: 390x400
- **Ø3**: 500x600
- **Ø4**: 600x400
- **Ø5**: Full page

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.acsWindowSize**
- SCMP API Field: **pa_acs_window_size**
- Simple Order API Field: **payerAuthEnrollService_acsWindowSize**

consumerAuthenticationInformation. alternateAuthenticationData

Data that documents and supports a specific authentication process.

Specifications

- Data Type: String
- Data Length: 2048

Mapping Information

- REST API Field: **consumerAuthenticationInformation.alternateAuthenticationData**
- SCMP API Field: **pa_alternate_authentication_data**
- Simple Order API Field: **payerAuthEnrollService_alternateAuthenticationData**

consumerAuthenticationInformation. alternateAuthenticationDate

Date and time in UTC of the cardholder authentication.

Format: **yyyyMMDDHHMM**

Specifications

- Data Type: String
- Data Length: 14

Mapping Information

- REST API Field: **consumerAuthenticationInformation.alternateAuthenticationDate**
- SCMP API Field: **pa_alternate_authentication_date**
- Simple Order API Fields:
 - **payerAuthEnrollReply_alternateAuthenticationDate**
 - **payerAuthEnrollService_alternateAuthenticationDate**

consumerAuthenticationInformation. alternateAuthenticationMethod

Mechanism used by the cardholder to authenticate to the 3-D Secure requestor.
Possible values:

- **01**: No authentication occurred.
- **02**: Login using merchant system credentials.
- **03**: Login using Federated ID.
- **04**: Login using issuer credentials.
- **05**: Login using third-party authenticator.
- **06**: Login using FIDO Authenticator.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.alternateAuthenticationMethod**
- SCMP API Field: **pa_alternate_authentication_method**
- Simple Order API Fields:
 - **payerAuthEnrollReply_alternateAuthenticationMethod**
 - **payerAuthEnrollService_alternateAuthenticationMethod**

consumerAuthenticationInformation. authenticationDate

Date and time that the 3D Secure server authenticated the cardholder.

This field is available only for secure transactions in France on the Banque de France et Tresor Public, BNP Paribas France, and Credit Mutuel-CIC processors.

Format: yyyyMMDDHHMMSS

Specifications

- Data Type: String
- Data Length: 14

Mapping Information

- REST API Field: **consumerAuthenticationInformation.authenticationDate**
- SCMP API Field: **pa_authentication_date**
- Simple Order API Field: **ccAuthService_paAuthenticationDate**

consumerAuthenticationInformation. authenticationPath

Indicates what displays to the customer during the authentication process.

This field can contain one of these values:

- **ADS**: Card not enrolled. Customer prompted to activate the card during the checkout process.
- **ATTEMPTS**: Attempts processing. **Processing...** briefly appears before the checkout process is completed.
- **ENROLLED**: Card enrolled. The card issuer's authentication window opens.
- **UNKNOWN**: Card enrollment status cannot be determined.
- **NOREDIRECT**: Card not enrolled, authentication unavailable, or error occurred. Nothing displays to the customer.

The following values can be returned if you are using rules-based payer authentication:

- **RIBA**: The card-issuing bank supports risk-based authentication, but whether the cardholder is likely to be challenged cannot be determined.
- **RIBA_PASS**: The card-issuing bank supports risk-based authentication, and it is likely that the cardholder will not be challenged to provide credentials, also known as silent authentication.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **consumerAuthenticationInformation.authenticationPath**
- SCMP API Field: **pa_enroll_authentication_path**
- Simple Order API Field: **payerAuthEnrollReply_authenticationPath**

consumerAuthenticationInformation.authenticationResult

Raw authentication data that comes from the card-issuing bank.

Primary authentication field that indicates whether authentication was successful and the liability shift occurred. Examine the result of this field first.

This field contains one of these values:

- **-1**: Invalid PAREs.
- **0**: Successful validation.
- **1**: Cardholder is not participating, but the attempt to authenticate was recorded.
- **6**: Issuer unable to perform authentication.
- **9**: Cardholder did not complete authentication.

Specifications

- Data Type: String with numbers only
- Data Length: 255

Mapping Information

- REST API Field: **consumerAuthenticationInformation.authenticationResult**
- SCMP API Field: **pa_validate_authentication_result**
- Simple Order API Fields:
 - **payerAuthEnrollReply_authenticationResult**
 - **payerAuthValidateReply_authenticationResult**

consumerAuthenticationInformation. authenticationStatusMsg

Message that explains the **consumerAuthenticationInformation.authenticationResult** response field.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **consumerAuthenticationInformation.authenticationStatusMsg**
- SCMP API Field: **pa_validate_authentication_status_msg**
- Simple Order API Fields:
 - **payerAuthEnrollReply_authenticationStatusMessage**
 - **payerAuthValidateReply_authenticationStatusMessage**

consumerAuthenticationInformation. authenticationTransactionContext

Payer authentication transaction context identifier.

It links the check enrollment authentication and the validate authentication transactions. This field is supported only for RuPay for the payer authentication seamless flow.

Get the value for this field from the **consumerAuthenticationInformation.authenticationTransactionContext** field in the check enrollment response.

Specifications

- Data Type: String
- Data Length: 256

Mapping Information

- REST API Field: **consumerAuthenticationInformation.authenticationTransactionContext**
- SCMP API Field: No corresponding field.
- Simple Order API Field: No corresponding field.

consumerAuthenticationInformation. authenticationTransactionContextId

Payer authentication transaction context identifier. It links the validate authentication transaction and payment authorization transaction.

This field is supported only for RuPay for the payer authentication seamless flow.

Specifications

- Data Type: String
- Data Length: 256

Mapping Information

- REST API Field: **consumerAuthenticationInformation.authenticationTransactionContextId**
- SCMP API Field: No corresponding field.
- Simple Order API Field: No corresponding field.

consumerAuthenticationInformation. authenticationTransactionId

Payer authentication transaction identifier that links the check enrollment and validates authentication transactions.

Use this field to resend the one-time password.

This field is available only for the RuPay processor for the payer authentication seamless flow.

Get the value for this field from the **consumerAuthenticationInformation.**

authenticationTransactionId field in the check enrollment response.

Specifications

- Data Type: String
- Data Length: 26

Mapping Information

- REST API Field: **consumerAuthenticationInformation.authenticationTransactionId**
- SCMP API Fields:
 - **pa_authentication_transaction_id**

- **pa_enroll_authentication_transaction_id**
- Simple Order API Fields:
 - **payerAuthEnrollReply_authenticationTransactionID**
 - **payerAuthEnrollService_authenticationTransactionID**
 - **payerAuthValidateService_authenticationTransactionID**

consumerAuthenticationInformation. authenticationType

Indicates the type of authentication that is used to challenge the cardholder. This field is available only on the RuPay processor.

Possible Values:

- **01**: Static.
- **02**: Dynamic.
- **03**: OOB (Out of Band).
- **20**: Merchant hosted. RuPay: For payer authentication seamless flow.



Important

EMV 3-D Secure 2.1.0 supports values 01-03. Version 2.2.0 supports values 01-03.

Specifications

- Data Type: Integer
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.authenticationType**
- SCMP API Field: **pa_authentication_type**
- Simple Order API Fields:
 - **payerAuthEnrollReply_authenticationType**
 - **payerAuthValidateReply_authenticationType**

consumerAuthenticationInformation. authenticationValue

Authentication transaction token.

This field is supported only for RuPay. Include this field in authorizations that do not use a payment network token for the payer authentication seamless flow.

Get the value for this field from the **consumerAuthenticationInformation.transactionToken** field in the validate authentication response.

Specifications

- Data Type: String
- Data Length: 256

Mapping Information

- REST API Field: **consumerAuthenticationInformation.authenticationValue**
- SCMP API Field: No corresponding field.
- Simple Order API Field: No corresponding field.

consumerAuthenticationInformation.authorizationPayload

The Base64-encoded JSON payload of authorization values returned in the challenge flow.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **consumerAuthenticationInformation.authorizationPayload**
- SCMP API Field: **authorization_payload**
- Simple Order API Fields:
 - **payerAuthEnrollReply_authorizationPayload**
 - **payerAuthValidateReply_authorizationPayload**

consumerAuthenticationInformation.cardholderMessage

Text provided by the AC or issuer or both to the cardholder during a frictionless or decoupled transaction.

The issuer can provide information to the cardholder. For example, “Additional authentication is needed for this transaction. Please contact (Issuer Name) at xxx-xxx-xxxx.” The issuing bank can choose to support this value.

Specifications

- Data Type: String
- Data Length: 128

Mapping Information

- REST API Field: **consumerAuthenticationInformation.cardholderMessage**
- SCMP API Field: **pa_cardholder_message**
- Simple Order API Field: **payerAuthEnrollReply_cardholderMessage**

consumerAuthenticationInformation.cavv

Cardholder authentication verification value (CAVV).

This value is a transaction identifier generated by the issuing bank during payer authentication.

This value must be 28-character Base64 or 40-character hex binary.

When you request the payer authentication and authorization services separately, get the value for this field from the **consumerAuthenticationInformation.cavv** response field.

Apple Pay and Samsung Pay Transactions

- American Express: for a 20-byte cryptogram, set this field to the cryptogram for authorizations with payment network tokens. For a 40-byte cryptogram, set this field to block A of the cryptogram for authorizations with payment network tokens.
- Discover: the value for this field can be a 20 or 40-character hex binary. All cryptograms use one of these formats.
- Visa: the value for this field must be 28-character base 64 or 40-character hex binary. All cryptograms use one of these formats.

China UnionPay

This field and **processingInformation.commerceIndicator** field are required for authorizations for China UnionPay domestic debit cards.

FDC Nashville Global

For Visa Secure, this field is set to the value for the transaction identifier (XID) when the XID is present in the authorization request and the CAVV is not present.

Visa Platform Connect

The value for this field corresponds to this data in the TC 33 capture file:

- Record: CP01 TCR8

- Position: 77-78
- Field: CAVV version and authentication action

Specifications

- Data Type: String
- Data Length (request): 40
- Data Length (response): 255

Mapping Information

- REST API Field: **consumerAuthenticationInformation.cavv**
- SCMP API Fields:
 - **cavv**
 - **pa_enroll_cavv**
 - **pa_validate_cavv**
- Simple Order API Fields:
 - **ccAuthService_cavv**
 - **payerAuthEnrollReply_cavv**
 - **payerAuthValidateReply_cavv**

consumerAuthenticationInformation.cavvAlgorithm

Algorithm for generating a cardholder authentication verification value (CAVV) or universal cardholder authentication field (UCAF) data.

This field is available only on Credit Mutuel-CIC for Visa Secure.

Possible values:

- **0**: Hash-based message authentication code (HMAC)
- **1**: Card verification value (CVV)
- **2**: CVV with authentication transaction number (ATN)

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.cavvAlgorithm**

- SCMP API Fields:
 - **cavv_algorithm**
 - **pa_enroll_cavv_algorithm**
 - **pa_validate_cavv_algorithm**
- Simple Order API Fields:
 - **ccAuthService_cavvAlgorithm**
 - **payerAuthEnrollReply_cavvAlgorithm**
 - **payerAuthValidateReply_cavvAlgorithm**

consumerAuthenticationInformation. challengeCancelCode

Indicates why a transaction was canceled.

Possible values:

- **01**: Cardholder selected Cancel.
- **02**: Reserved for future EMVCo use (values invalid until defined by EMVCo).
- **03**: Transaction timed out—Decoupled Authentication.
- **04**: Transaction timed out at ACS—other timeouts.
- **05**: Transaction timed out at ACS—First CReq not received by ACS.
- **06**: Transaction Error.
- **07**: Unknown.
- **08**: Transaction timed out at SDK.

France Country Specific Information

In France, this field is available only for secure transactions.

The transaction was not cancelled. It was sent to the payment card company and the issuer who can reject it with a soft decline by requesting additional cardholder authentication.

Possible values:

- **01**: Cardholder selected Cancel.
- **03**: Decoupled authentication caused the transaction to time out.
- **04**: Transaction timed out at the access control server (ACS), which is a server on the issuer side of the 3-D Secure protocol. This value includes all ACS timeouts not covered by the value **05**.

- **05**: Transaction timed out at the ACS because the first challenge request was not received by the ACS.
- **06**: Transaction error as determined by the 3-D Secure server.
- **07**: Unknown.
- **08**: Cybersource software timed out.

When you request the payer authentication and authorization services separately, get the value for this field from the **consumerAuthenticationInformation.challengeCancelCode** response field.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.challengeCancelCode**
- SCMP API Field: **challenge_cancel_code**
- Simple Order API Fields:
 - **ccAuthService_challengeCancelCode**
 - **challenge_cancel_code** (France only)
 - **payerAuthEnrollReply_challengeCancelCode**
 - **payerAuthValidateReply_challengeCancelCode**

consumerAuthenticationInformation.challengeCode

Authentication type or challenge presented to the cardholder at checkout.

This field is available only for the Banque de France et Tresor Public, BNP Paribas France, and Credit Mutuel-CIC processors.

The challenge is issued after requesting secure transactions through the Cybersource payer authentication services.

A challenge means that strong customer authentication is required. The challenge status does the following:

- Informs the issuer about the alternative authentication methods that the cardholder used.

- Enables you to override default values for one transaction at a time and increase the authorization acceptance rate at the risk of accepting a liability shift for the transaction.

Possible values:

- **01**: No preference.
- **02**: No challenge requested, but the reason is unknown.
- **03**: You requested the challenge. You can default to this value for every transaction when you see an increase in fraud rates.
- **04**: Challenge mandated. Strong customer authentication is required when one of the following is true:
 - Transaction amount exceeds 30 EUR and there have been at least five transactions on the payment card during the preceding week.
 - Cumulative amount for the payment card during the preceding week exceeds 100 EUR.
- **05**: No challenge requested because transactional risk analysis has already been performed.
- **06**: No challenge requested because the purpose of this transaction is to share data, not to move money.
- **07**: No challenge requested because strong consumer authentication has already been performed.
- **08**: No challenge requested because the cardholder is on a white list of exempt cardholders.
- **09**: Challenge requested by issuer. Determine whether the cardholder is on a white list of exempt cardholders.

This field defaults to **01** on merchant configuration and can be overridden by the merchant. EMV 3-D Secure version 2.1.0 supports values **01-04**. Version 2.2.0 supports values **01-09**.

Specifications

- Data Type: Integer
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.challengeCode**
- SCMP API Field: **pa_challenge_code**
- Simple Order API Fields:
 - **ccAuthService_paChallengeCode**
 - **payerAuthEnrollService_challengeCode**

consumerAuthenticationInformation. challengeRequired

Indicates whether a challenge is required in order to complete authentication. Regional mandates might determine that a challenge is required. Used by the Hybrid integration.

Possible values:

- **Y**: Challenge required.
- **N**: Challenge not required.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.challengeRequired**
- SCMP API Field: **challenge_required**
- Simple Order API Field: **payerAuthEnrollReply_challengeRequired**

consumerAuthenticationInformation. credentialEncrypted

Indicates that you encrypted the passed credential. This field is only used for IVR extension transactions in India.

Specifications

- Data Type: Boolean
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.credentialEncrypted**
- SCMP API Field: **pa_credential_encrypted**
- Simple Order API Field: **payerAuthValidateService_credentialEncrypted**

consumerAuthenticationInformation. customerCardAlias

An alias that uniquely identifies the customer's account and credit card on file. This field is required if Tokenization is enabled in the merchant profile settings.

Specifications

- Data Type: String
- Data Length: 128

Mapping Information

- REST API Field: **consumerAuthenticationInformation.customerCardAlias**
- SCMP API Field: **pa_customer_cc_alias**
- Simple Order API Field: **payerAuthEnrollService_customerCCAlias**

consumerAuthenticationInformation. decoupledAuthenticationIndicator

Indicates whether the 3-D Secure requester agrees to use decoupled authentication if the ACS confirms its use.

Possible Values:

Y: Decoupled Authentication is supported and preferred if a challenge is necessary.

N: Do not use Decoupled Authentication (default).

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.decoupledAuthenticationIndicator**
- SCMP API Field: **pa_decoupled_authentication_indicator**
- Simple Order API Field: **payerAuthEnrollService_decoupledAuthenticationIndicator**

consumerAuthenticationInformation. decoupledAuthenticationMaxTime

The maximum interval of time (in minutes) that the 3-D Secure requester waits for an Active Control Server (ACS) to return the result of a decoupled authentication transaction.

Possible Values: Numeric values between **1** and **10080** are accepted.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **consumerAuthenticationInformation.decoupledAuthenticationMaxTime**
- SCMP API Field: **pa_decoupled_authentication_max_time**
- Simple Order API Field: **payerAuthEnrollService_decoupled_AuthenticationMaxTime**

consumerAuthenticationInformation. defaultCard

Indicates that the card being used is the one designated as the primary payment card for purchase.

This field can contain one of these values:

- **true**
- **false**

Recommended for Discover ProtectBuy.

Specifications

- Data Type: Boolean
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.defaultCard**
- SCMP API Field: **pa_default_card**
- Simple Order API Field: **payerAuthEnrollService_defaultCard**

consumerAuthenticationInformation. deviceChannel

Indicates the channel used for the transaction.
Required for SDK integration. Possible Values:

- SDK
- Browser
- 3RI (3-D Secure Integrator Request)



Important

If you use the SDK integration, this field is dynamically set to SDK. If you use the JavaScript code, this field is dynamically set to Browser. For merchant-initiated or 3RI transactions, you must set the field to 3RI. If you use this field in addition to JavaScript code, you must set the field to Browser.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **consumerAuthenticationInformation.deviceChannel**
- SCMP API Field: **pa_device_channel**
- Simple Order API Field: **payerAuthEnrollService_deviceChannel**

consumerAuthenticationInformation. deviceDataCollectionURL

Location to send the authentication JSON Web Token (JWT) when you invoke device data collection.

Specifications

- Data Type: String
- Data Length: 100

Mapping Information

- REST API Field: **consumerAuthenticationInformation.deviceDataCollectionURL**
- SCMP API Field: **pa_setup_pa_device_data_collection_url**
- Simple Order API Field: **payerAuthSetupReply_deviceDataCollectionURL**

consumerAuthenticationInformation. directoryServerErrorCode

The directory server error code indicating a problem with the transaction.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **consumerAuthenticationInformation.directoryServerErrorCode**
- SCMP API Field: **pa_directory_server_error_code**
- Simple Order API Fields:
 - **payerAuthEnrollReply_directoryServerErrorCode**
 - **payerAuthValidateReply_directoryServerErrorCode**

consumerAuthenticationInformation. directoryServerErrorDescription

Directory server text and additional detail about the error for the transaction.

Specifications

- Data Type: String
- Data Length: 4096

Mapping Information

- REST API Field: **consumerAuthenticationInformation.directoryServerErrorDescription**
- SCMP API Field: **pa_directory_server_error_description**
- Simple Order API Fields:
 - **payerAuthEnrollReply_directoryServerErrorDescription**

- **payerAuthValidateReply_directoryServerErrorDescription**

consumerAuthenticationInformation. directoryServerTransactionId

Transaction ID that the directory server generates during authentication. When you request the payer authentication and authorization services separately, get the value for this field from the **consumerAuthenticationInformation.threeDSServerTransactionId** response field.

Mastercard Identity Check on Visa Platform Connect

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR7
- Position: 114-149
- Field: MC AVV Verification—Directory Server Transaction ID

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length: 36

Mapping Information

- REST API Field: **consumerAuthenticationInformation.directoryServerTransactionId**
- SCMP API Fields:
 - **directory_server_transaction_id**
 - **pa_enroll_directory_server_transaction_id**
 - **pa_validate_directory_server_transaction_id**
- Simple Order API Fields:
 - **ccAuthService_directoryServerTransactionID**
 - **payerAuthEnrollReply_directoryServerTransactionID**
 - **payerAuthValidateReply_directoryServerTransactionID**

consumerAuthenticationInformation. dsReferenceNumber

Unique identifier assigned by the EMVCo.

This field is required in cardholder-initiated 3-D Secure fully-authenticated mada card transactions.

When you request the payer authentication and authorization services separately, get the value for this field from the response messages.

Specifications

- Data Type: String
- Data Length: 23

Mapping Information

- REST API Field: **consumerAuthenticationInformation.dsReferenceNumber**
- SCMP API Field: **ds_reference_number**
- Simple Order API Field: **ccAuthService_dsReferenceNumber**

consumerAuthenticationInformation. eci

Numeric electronic commerce indicator (ECI) returned only for Visa, American Express, JCB, Diners Club, Discover, China UnionPay, and Elo transactions when the card is not enrolled.



Important

This field applies only to cards that are not issued in the U.S.

If you are not using Cybersource payment services, you must send this value to your payment processor in the next request for card authorization.

This field contains one of these values:

- **06**: The card can be enrolled. Liability shift.
- **07**: The card cannot be enrolled. No liability shift.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **consumerAuthenticationInformation.eci**
- SCMP API Fields:
 - **pa_enroll_eci**
 - **pa_validate_eci**
- Simple Order API Fields:
 - **payerAuthEnrollReply_eci**
 - **payerAuthValidateReply_eci**

consumerAuthenticationInformation.eciRaw

Raw electronic commerce indicator (ECI).

The field is absent if authentication fails.

This field can contain one of these values:

- **01**: Authentication attempted (Mastercard).
- **02**: Successful authentication (Mastercard).
- **05**: Successful authentication (Visa, American Express, JCB, Diners Club, Discover, China UnionPay, and Elo).
- **06**: Authentication attempted (Visa, American Express, JCB, Diners Club, Discover, China UnionPay, and Elo).

Streamline

You must pass the value of this field instead of the value of **consumerAuthenticationInformation.eci**.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **consumerAuthenticationInformation.eciRaw**
- SCMP API Fields:
 - **eci_raw**
 - **pa_enroll_eci_raw**
 - **pa_validate_eci_raw**
- Simple Order API Fields:
 - **ccAuthService_eciRaw**
 - **payerAuthEnrollReply_eciRaw**
 - **payerAuthValidateReply_eciRaw**

consumerAuthenticationInformation. ecommerceIndicator

Indicator used to distinguish types of transactions.

This field contains one of these values:

- **aesk**: American Express SafeKey authentication verified successfully.
- **aesk_attempted**: Card not enrolled in American Express SafeKey, but the attempt to authenticate is recorded.
- **cs**: Elo Compra Segura authentication verified successfully.
- **cs_attempted**: Elo Compra Segura card not enrolled, but the attempt to authenticate is recorded.
- **dipb**: Discover ProtectBuy authentication verified successfully.
- **dipb_attempted**: Card not enrolled in Discover ProtectBuy, but the attempt to authenticate is recorded.
- **internet**: Card not enrolled, or card type not supported by payer authentication. No liability shift.
- **js**: J/Secure authentication verified successfully.
- **js_attempted**: Card not enrolled, but the attempt to authenticate is recorded. Liability shift.
- **js_failure**: J/Secure directory service is not available. No liability shift.
- **pb**: Diners Club ProtectBuy authentication verified successfully.
- **pb_attempted**: : Card not enrolled in Diners Club ProtectBuy, but the attempt to authenticate is recorded.
- **spa**: Mastercard Identity Check authentication verified successfully.
- **spa_failure**: Mastercard Identity Check failed authentication.
- **up3ds**: China UnionPay authentication verified successfully.
- **up3ds_attempted**: China UnionPay card not enrolled, but the attempt to authenticate is recorded.
- **up3ds_failure**: China UnionPay authentication unavailable.
- **vbv**: Visa Secure authentication verified successfully.
- **vbv_attempted**: Visa card not enrolled, but the attempt to authenticate is recorded. Liability shift.
- **vbv_failure**: For the payment processors Barclays, Streamline, AIBMS, or FDC Germany, you receive this result if Visa's directory service is not available. No liability shift.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **consumerAuthenticationInformation.ecommerceIndicator**
- SCMP API Fields:
 - **pa_enroll_e_commerce_indicator**
 - **pa_validate_e_commerce_indicator**
- Simple Order API Fields:
 - **payerAuthEnrollReply_commerceIndicator**
 - **payerAuthValidateReply_commerceIndicator**

consumerAuthenticationInformation.effectiveAuthenticationType

The type of 3-D Secure transaction flow.

When you request the payer authentication and authorization services separately, get the value for this field from the **consumerAuthenticationInformation.effectiveAuthenticationType** response field.

Possible Values:

- **CH**: Challenge.
Strong customer authentication is required. The cardholder must prove that they are present and enter the payment details by providing two of the following elements:
 - Something on the cardholder's body. Example: fingerprint.
 - Something the cardholder has. Examples: plastic card, mobile device, token generator.
 - Something the cardholder knows. Examples: PIN, password.
- **FR**: Frictionless.
The transaction can proceed without cardholder authentication.
- **FD**: Frictionless with delegation (challenge not generated by the issuer but by the scheme on behalf of the issuer).
The issuer does not require cardholder authentication, but the payment card company might require it.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.effectiveAuthenticationType**
- SCMP API Field: **effective_authentication_type**

- Simple Order API Fields:
 - **ccAuthService_effectiveAuthenticationType**
 - **payerAuthEnrollReply_effectiveAuthenticationType**
 - **payerAuthValidateReply_effectiveAuthenticationType**

consumerAuthenticationInformation. exemptionDataRaw

Payer authentication exemption data field.

Raw exemption data field that is used for Carte Bancaire exemptions. For example, "low fraud merchant program." Used with payer authentication service response.

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **consumerAuthenticationInformation.exemptionDataRaw**
- Simple Order API Field: **payerAuthEnrollReply_exemptionDataRaw**

consumerAuthenticationInformation. idciDecision

Decision on the risk assessment from Mastercard.

This field is used only with Mastercard. It is required when the merchant requests the Identity Check Insights (IDCI) score.

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **consumerAuthenticationInformation.idciDecision**
- SCMP API Field: **pa_idci_decision**
- Simple Order API Field: **payerAuthEnrollReply_idciDecision**

consumerAuthenticationInformation. idciReasonCode1

Reason code from Mastercard.

This field is only used with Mastercard. It is required when the merchant requests the Identity Check Insights (IDCI) score. The reason code values range from **A** through **Z**. For a description of the reason codes values, see the appendix of the [Mastercard Identity Check Program Guide](#).

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.idciReasonCode1**
- SCMP API Field: **pa_idci_reason_code1**
- Simple Order API Field: **payerAuthEnrollReply_idciReasonCode1**

consumerAuthenticationInformation. idciReasonCode2

Reason code from Mastercard.

This field is only used with Mastercard. It is required when the merchant requests the Identity Check Insights (IDCI) score. The reason code values range from **A** through **Z**. For a description of the reason codes values, see the appendix of the [Mastercard Identity Check Program Guide](#).

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.idciReasonCode2**
- SCMP API Field: **pa_idci_reason_code2**
- Simple Order API Field: **payerAuthEnrollReply_idciReasonCode2**

consumerAuthenticationInformation. idciScore

Risk assessment from Mastercard.

Only for Mastercard. Required when the merchant requests the Identity Check Insights (IDCI) score. The risk score values range from 0 - 9 (low to high). Refer to the Appendix C in the [Mastercard Identity Check Program Guide](#) for additional information about the score values.

Specifications

- Data Type: Integer
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.idciScore**
- SCMP API Field: **pa_idci_score**
- Simple Order API Field: **payerAuthEnrollReply_idciScore**

consumerAuthenticationInformation. interactionCounter

Indicates the number of authentication cycles that the cardholder attempted. The cycles are tracked by the issuing bank's ACS.

Example: The customer receives the challenge window, enters the one-time password, and clicks **Submit**. This sequence counts as one interaction.

Example: The customer receives the challenge window, receives the bank message asking if the one-time password should be sent to their phone or email. The customer makes a selection before going to the next screen to enter the one-time password. This sequence counts as two interactions. The first interaction occurs when the customer chooses how to have the one-time password delivered. The second interaction occurs when the customer enters the one-time password and clicks **Submit**.

Specifications

- Data Type: Integer
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.interactionCounter**
- SCMP API Field: **pa_interaction_counter**
- Simple Order API Field: **payerAuthValidateReply_interactionCounter**

consumerAuthenticationInformation. marketingOptIn

Indicates whether the customer has opted in for marketing offers.

Recommended for Discover ProtectBuy.

Possible values:

- `true`
- `false`

Specifications

- Data Type: Boolean
- Data Length: 5

Mapping Information

- REST API Field: **consumerAuthenticationInformation.marketingOptIn**
- SCMP API Field: **pa_marketing_optin**
- Simple Order API Field: **payerAuthEnrollService_marketingOptIn**

consumerAuthenticationInformation. marketingSource

Indicates origin of the marketing offer.

Recommended for Discover ProtectBuy.

Specifications

- Data Type: String
- Data Length: 40

Mapping Information

- REST API Field: **consumerAuthenticationInformation.marketingSource**

- SCMP API Field: **pa_marketing_source**
- Simple Order API Field: **payerAuthEnrollService_marketingSource**

consumerAuthenticationInformation.mcc

Merchant category code.

Specifications

- Data Length: 4

Mapping Information

- REST API Field: **consumerAuthenticationInformation.mcc**
- SCMP API Field: **pa_mcc**
- Simple Order API Field: **payerAuthEnrollService_MCC**

consumerAuthenticationInformation.merchantFraudRate

Calculated by merchants according to Payment Service Directive 2 (PSD2) and Regulatory Technical Standards (RTS). European Economic Area (EEA) card fraud divided by all EEA card volumes.

Possible Values:

- **1**: Represents fraud rate ≤ 1 .
- **2**: Represents fraud rate > 1 and ≤ 6 .
- **3**: Represents fraud rate > 6 and ≤ 13 .
- **4**: Represents fraud rate > 13 and ≤ 25 .
- **5**: Represents fraud rate > 25 .

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.merchantFraudRate**
- SCMP API Field: **pa_merchant_fraud_rate**
- Simple Order API Field: **payerAuthEnrollService_merchantFraudRate**

consumerAuthenticationInformation. merchantScore

Risk score provided by merchants.

Specifications

- Data Type: Integer
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.merchantScore**
- SCMP API Field: **pa_merchant_score**
- Simple Order API Field: **payerAuthEnrollService_merchantScore**

consumerAuthenticationInformation. messageCategory

Category of the message for a specific use case.

Possible values:

- **01**: PA (payment authentication).
- **02**: NPA (nonpayment authentication).
- **03-79**: Reserved for EMVCo future use (values invalid until defined by EMVCo).
- **80-99**: Reserved for directory server use.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.messageCategory**
- SCMP API Field: **pa_message_category**
- Simple Order API Field: **payerAuthEnrollService_messageCategory**

consumerAuthenticationInformation. networkScore

The global score calculated by the 3-D Secure scoring platform and returned to the merchant.

This field is available only for secure transactions in France on the Banque de France et Tresor Public, BNP Paribas France, and Credit Mutuel-CIC processors.

Possible values: **00** - **99**.

When you request the payer authentication and authorization services separately, get the value for this field from the **consumerAuthenticationInformation.networkScore** response field.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.networkScore**
- SCMP API Field: **pa_network_score**
- Simple Order API Fields:
 - **ccAuthService_paNetworkScore**
 - **payerAuthEnrollReply_networkScore**

consumerAuthenticationInformation. otpToken

One-time password that the cardholder entered.

RuPay: This field is supported only for the payer authentication seamless flow.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **consumerAuthenticationInformation.otpToken**
- SCMP API Field: **pa_otp_token**

- Simple Order API Field: **pa_otpToken**

consumerAuthenticationInformation. overrideCountryCode

Two-character ISO standard country code. See [ISO Standard Country Codes](#).

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.overrideCountryCode**
- SCMP API Field: **pa_merchant_country_code**
- Simple Order API Field: **payerAuthEnrollService_merchantCountrycode**

consumerAuthenticationInformation. overridePaymentMethod

Specifies the payment account type used for the transaction.

This field overrides other payment types that might be specified in the request. Use one of the following values for this field:

- **NA**: Does not apply. Do not override other payment types that are specified in the request.
- **CR**: Credit card.
- **DB**: Debit card.
- **VSAVR**: Visa Vale Refeicao.
- **VSAVA**: Visa Vale Alimentacao.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **consumerAuthenticationInformation.overridePaymentMethod**
- SCMP API Field: **pa_override_payment_method**

- Simple Order API Field: **payerAuthEnrollService_overridePaymentMethod**

consumerAuthenticationInformation.pareq

Payer authentication request (PAREq) message that you must forward to the ACS. The value can be very large. The value is encoded in Base64.

Specifications

- Data Type: String
- Data Length: No length limit.

Mapping Information

- REST API Field: **consumerAuthenticationInformation.pareq**
- SCMP API Field: **pa_enroll_pareq**
- Simple Order API Field: **payerAuthEnrollReply_paReq**

consumerAuthenticationInformation[].paresStatus

Raw result of the authentication check. This field can contain one of these values:

- **A**: Proof of authentication attempt was generated.
- **C**: Card challenged. This status is a temporary status for an in-flight transaction and can result in other authentication statuses after transaction is completed.
- **N**: Customer failed or canceled authentication. Transaction denied.
- **R**: Authentication rejected (used for 3-D Secure 2.x transactions only).
- **U**: Authentication not completed regardless of the reason.
- **Y**: Customer was successfully authenticated.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **consumerAuthenticationInformation[].paresStatus**
- SCMP API Fields:

- **pares_status**
- **pa_enroll_pares_status**
- **pa_validate_pares_status**
- Simple Order API Fields:
 - **ccAuthService_paresStatus**
 - **payerAuthEnrollReply_paresStatus**
 - **payerAuthValidateReply_paresStatus**

consumerAuthenticationInformation. signedParesStatusReason

Provides additional information about the PARES status value.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation. signedParesStatusReason**
- SCMP API Field: **pares_status_reason**
- Simple Order API Fields:
 - **payerAuthEnrollReply_authenticationStatusReason**
 - **payerAuthValidateReply_authenticationStatusReason**

consumerAuthenticationInformation. paSpecificationVersion

The EMV 3-D Secure version that was used to process the transaction.

Example: 2.3.1

This field is available only for the FDC Compass and Visa Platform Connect processors.

Visa Platform Connect

The value for this field corresponds to this data in the TC 33 capture file:

- Record: CP01 TCR7
- Position: 113

- Field: MC AVV Verification—Program Protocol

Mastercard Identity Check on Visa Platform Connect Connect Visa Platform Connect

Mastercard Identity Check might return one of these values during the authentication process.

Possible values:

- **2.1.0**: EMV 3-D Secure 2.1.0 (This value cannot be used after September 25, 2024, when EMV 3-D Secure 2.1 is no longer supported. All merchants must begin using EMV 3-D Secure 2.2 or later before that date to avoid any disruption in service.)
- **2.2.0**: EMV 3-D Secure 2.2.0
- **2.3.0**: EMV 3-D Secure 2.3.0
- **2.4.0**: EMV 3-D Secure 2.4.0
- **2.5.0**: EMV 3-D Secure 2.5.0
- **2.6.0**: EMV 3-D Secure 2.6.0
- **2.7.0**: EMV 3-D Secure 2.7.0
- **2.8.0**: EMV 3-D Secure 2.8.0
- **2.9.0**: EMV 3-D Secure 2.9.0

Specifications

- Data Type: String
- Data Length: 20

Mapping Information

- REST API Field: **consumerAuthenticationInformation.paSpecificationVersion**
- SCMP API Field: **pa_specification_version**
- Simple Order API Field: **ccAuthService_paSpecificationVersion**

consumerAuthenticationInformation.priorAuthenticationData

This field contains data that the ACS can use to verify the authentication process.

Specifications

- Data Type: String

- Data Length: 2048

Mapping Information

- REST API Field: **consumerAuthenticationInformation.priorAuthenticationData**
- SCMP API Field: **pa_prior_authentication_data**
- Simple Order API Field: **payerAuthEnrollService_priorAuthenticationData**

consumerAuthenticationInformation. priorAuthenticationMethod

Method the cardholder used previously to authenticate to the 3-D Secure requester.
Possible values:

- **01**: Frictionless authentication occurred by ACS.
- **02**: Cardholder challenge occurred by ACS.
- **03**: AVS verified.
- **04**: Other issuer methods.
- **05-79**: Reserved for EMVCo future use (values invalid until defined by EMVCo).
- **80-99**: Reserved for directory server use.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.priorAuthenticationMethod**
- SCMP API Field: **pa_prior_authentication_method**
- Simple Order API Field: **payerAuthEnrollService_priorAuthenticationMethod**

consumerAuthenticationInformation. priorAuthenticationReferenceId

This field contains the ACS transaction ID for a prior authenticated transaction.
For example, the first recurring transaction that was authenticated with the cardholder.

Specifications

- Data Type: String

- Data Length: 36

Mapping Information

- REST API Field: **consumerAuthenticationInformation.priorAuthenticationReferenceId**
- SCMP API Field: **pa_prior_authentication_reference_id**
- Simple Order API Field: **payerAuthEnrollService_priorAuthenticationReferenceID**

consumerAuthenticationInformation.priorAuthenticationTime

Date and time in UTC of the prior cardholder authentication.

Format: **yyyyMMDDHHMM**

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **consumerAuthenticationInformation.priorAuthenticationTime**
- SCMP API Field: **pa_prior_authentication_time**
- Simple Order API Field: **payerAuthEnrollService_priorAuthenticationTime**

consumerAuthenticationInformation.productCode

Specifies the product code, which designates the type of transaction. Specify one of the following values for this field:

- **AIR**: Airline purchase.
- **ACC**: Accommodation rental.
- **ACF**: Account funding.
- **CHA**: Check acceptance.
- **DIG**: Digital goods.
- **DSP**: Cash dispensing.
- **GAS**: Fuel.
- **GEN**: General retail.
- **LUX**: Luxury retail.

- **PAL**: Prepaid activation and load.
- **PHY**: Goods or services purchase.
- **QCT**: Quasi-cash transaction.
- **REN**: Car rental.
- **RES**: Restaurant.
- **SVC**: Services.
- **TBD**: Other.
- **TRA**: Travel.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **consumerAuthenticationInformation.productCode**
- SCMP API Field: **pa_product_code**
- Simple Order API Field: **payerAuthEnrollService_productCode**

consumerAuthenticationInformation. proofXml

Date and time of the enrollment check combined with the VEReq and VERes elements. If you ever need to show proof of enrollment checking, you might need to parse the string for the information required by the payment card company. The value can be very large.

- For cards issued in the US or Canada, Visa might require this data for specific merchant category codes.
- For cards not issued in the US or Canada, your bank might require this data as proof of enrollment checking for any payer authentication transaction that you re-present because of a chargeback.

Specifications

- Data Type: String
- Data Length: No length limit.

Mapping Information

- REST API Field: **consumerAuthenticationInformation.proofXml**
- SCMP API Field: **pa_enroll_proofxml**
- Simple Order API Field: **payerAuthEnrollReply_proofXML**

consumerAuthenticationInformation. proxyPan

Encrypted version of the card number that is used in the payer authentication request message.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **consumerAuthenticationInformation.proxyPan**
- SCMP API Field: **pa_enroll_proxypan**
- Simple Order API Field: **payerAuthEnrollReply_proxyPAN**

consumerAuthenticationInformation. referenceId

Reference ID that corresponds to the device fingerprinting data that was collected previously.

Specifications

- Data Type: String
- Data Length: 50

Mapping Information

- REST API Field: **consumerAuthenticationInformation.referenceId**
- SCMP API Fields:
 - **pa_reference_id**
 - **pa_setup_pa_reference_id**
- Simple Order API Fields:
 - **payerAuthEnrollService_referenceID**
 - **payerAuthSetupReply_referenceID**

consumerAuthenticationInformation. requestorInitiatedAuthenticationIndicator

Indicates the type of 3-D Secure Integrator Request (3RI Request).

Possible Values:

- **01**: Recurring transaction.
- **02**: Installment transaction.
- **03**: Add card.
- **04**: Maintain card.
- **05**: Account verification.
- **06**: Split/delayed shipment.
- **07**: Top-up.
- **08**: Mail order.
- **09**: Telephone order.
- **10**: Whitelist status check.
- **11**: Other payment.

EMV 3-D Secure version 2.1.0 supports values **01-05**. Version 2.2.0 supports values **01- 11**.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.
requestorInitiatedAuthenticationIndicator**
- SCMP API Field: **pa_requestor_initiated_authentication_indicator**
- Simple Order API Field: **payerAuthEnrollService_
requestorInitiatedAuthenticationIndicator**

consumerAuthenticationInformation. requestorName

The 3-D Secure requestor name value assigned by the directory server.

Specifications

- Data Type: String
- Data Length: 40

Mapping Information

- REST API Field: **consumerAuthenticationInformation.requestorName**
- SCMP API Field: **pa_requestor_name**
- Simple Order API Field: **payerAuthEnrollService_requestorName**

consumerAuthenticationInformation. responseAccessToken

JSON Web Token (JWT) returned by the 3-D Secure provider when the authentication is complete.

Specifications

- Data Type: String
- Data Length: 2048

Mapping Information

- REST API Field: **consumerAuthenticationInformation.responseAccessToken**
- SCMP API Field: **pa_response_access_token**
- Simple Order API Field: **payerAuthValidateService_responseAccessToken**

consumerAuthenticationInformation. returnUrl

URL of your return page.

This return URL is added to the step-up JWT and returned in the response of the Payer Authentication enrollment call. Your return URL page serves as a listening URL. Cardinal sends a POST response to your return URL when the bank session completes that contains the completed bank session's transaction ID. Your return page should capture the transaction ID and send it in the Payer Authentication validation call.

Specifications

- Data Type: String

- Data Length: 2048

Mapping Information

- REST API Field: **consumerAuthenticationInformation.returnUrl**
- SCMP API Field: **pa_return_url**
- Simple Order API Field: **payerAuthEnrollService_returnURL**

consumerAuthenticationInformation. strongAuthentication. authenticationIndicator

Indicates the type of authentication request.

Possible values:

- **01**: Payment transaction.
- **02**: Recurring transaction.
- **03**: Installment transaction.
- **04**: Add card.
- **05**: Maintain card.
- **06**: Cardholder verification as part of EMV token ID&V (identity and verification).

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.strongAuthentication.authenticationIndicator**
- SCMP API Field: **pa_authentication_indicator**
- Simple Order API Field: **payerAuthEnrollService_authenticationIndicator**

consumerAuthenticationInformation. strongAuthentication. authenticationOutageExemptionIndicator

Exemption indicator for payer authentication outage.

This flag specifies whether the transaction is exempt from strong customer authentication (SCA) requirements in Europe because Payer Authentication is not available.

Possible values:

- **0** (default): Not exempt.
- **1**: Exempt from SCA requirements because payer authentication is not available.

This field is available only on the Visa Platform Connect processor.

For Mastercard transactions, the value for this field corresponds to this data in the TC 33 capture file:

- Record: CP01 TCR6
- Position: 145-146
- Field: Mastercard Low-Risk Merchant Indicator

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.strongAuthentication.authenticationOutageExemptionIndicator**
- SCMP API Field: **authentication_outage_exemption_indicator**
- Simple Order API Field: **ccAuthService_authenticationOutageExemptionIndicator**

consumerAuthenticationInformation. strongAuthentication. issuerInformation. trustedMerchantExemptionResult

Code that indicates whether the issuer honored or denied the customer's request for trusted merchant exemption.

This field is supported only on Visa Platform Connect.

Possible values:

- **1**: Trusted merchant exemption validated.
- **2**: Trusted merchant exemption failed validation.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.strongAuthentication.issuerInformation.trustedMerchantExemptionResult**
- SCMP API Field: **trusted_merchant_exemption_response_indicator**
- Simple Order API Field: **issuer_trustedMerchantExemptionResult**

consumerAuthenticationInformation. strongAuthentication. issuerInformation. exemptionDataRaw

Payer authentication exemption indicator for delegated authentication.

Raw payer authentication exemption data field that is used for Carte Bancaire exemptions. For example, "low fraud merchant program." Used with authorization service requests.

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **consumerAuthenticationInformation.strongAuthentication.issuerInformation.exemptionDataRaw**
- SCMP API Field: **exemption_data**
- Simple Order API Field: **ccAuthService_exemptionDataRaw**

consumerAuthenticationInformation. strongAuthentication. secureCorporatePaymentIndicator

Exemption indicator for a secure corporate payment.

This field is available only for the FDC Compass and Visa Platform Connect processors.

This flag specifies whether the transaction is exempt from strong customer authentication (SCA) requirements in Europe because the payment is a secure corporate payment. Indicates that dedicated payment processes and procedures were used.

Possible values:

- **0** (default): Not exempt.

- **1**: Exempt from SCA requirements because the payment is a secure corporate payment.

Visa Platform Connect: For Mastercard transactions, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR6
- Position: 145-146
- Field: Mastercard Low-Risk Merchant Indicator

For transactions with other card types, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR8
- Position: 129
- Field: Secure Corporate Payment Indicator

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.strongAuthentication.secureCorporatePaymentIndicator**
- SCMP API Field: **secure_corporate_payment_indicator**
- Simple Order API Fields:
 - **ccAuthService_secureCorporatePaymentIndicator**
 - **payerAuthEnrollService_secureCorporatePaymentIndicator**

consumerAuthenticationInformation. strongAuthentication. trustedMerchantExemptionIndicator

Exemption indicator for a trusted merchant.

This flag specifies whether the transaction is exempt from strong customer authentication (SCA) requirements in Europe because the customer trusts you. This field is available only for the FDC Compass and Visa Platform Connect processors. Possible values:

- **0** (default): Not exempt.
- **1**: Exempt from SCA requirements because the customer trusts the merchant.

Visa Platform Connect

For Mastercard transactions, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR6
- Position: 145-146
- Field: Mastercard Low-Risk Merchant Indicator

For transactions with other card types, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP07 TCR9
- Position: 8
- Field: Trusted Merchant Exemption Indicator

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.strongAuthentication.trustedMerchantExemptionIndicator**
- SCMP API Field: **trusted_merchant_exemption_indicator**
- Simple Order API Field: **ccAuthService_trustedMerchantExemptionIndicator**

consumerAuthenticationInformation.strongAuthentication.transactionMode

Transaction mode identifier. Identifies the channel from which the transaction originates. Possible values:

- **M**: MOTO (Mail Order Telephone Order)
- **R**: Retail
- **S**: E-commerce
- **P**: Mobile Device
- **T**: Tablet

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.strongAuthentication.transactionMode**
- SCMP API Field: **pa_transaction_mode**
- Simple Order API Field: **payerAuthEnrollService_transactionMode**

consumerAuthenticationInformation. scoreRequest

Indicates that you are requesting the Identity Check Insights (IDCI) score details of a transaction.

Possible values:

- **Yes**
- **No**

If set to **yes**, you receive the values of these fields in the response:

- **consumerAuthenticationInformation.idciScore**
- **consumerAuthenticationInformation.idciDecision**
- **consumerAuthenticationInformation.idciReasonCode1**
- **consumerAuthenticationInformation.idciReasonCode2**

This field is used only with Mastercard transactions.

Specifications

- Data Type: Boolean
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.scoreRequest**
- SCMP API Field: **pa_score_request**
- Simple Order API Field: **payerAuthEnrollService_scoreRequest**

consumerAuthenticationInformation. sdkFlowType

Type of SDK flow used for the transaction.

Possible values:

- `Virtual SDK`
- `Cardinal`

Specifications

- Data Type: String
- Data Length: 100

Mapping Information

- REST API Field: **consumerAuthenticationInformation.sdkFlowType**
- SCMP API Field: **pa_sdk_flow_type**
- Simple Order API Field: **payerAuthEnrollService_sdkFlowType**

consumerAuthenticationInformation. sdkMaxTimeout

This field indicates the maximum amount of time for all 3-D Secure 2.x messages to be communicated between all components (in minutes).

Possible Values:

- Greater than or equal to `05` (05 is the minimum timeout to set)
- Default is set to `15`

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.sdkMaxTimeout**
- SCMP API Field: **pa_sdk_max_timeout**
- Simple Order API Field: **payerAuthEnrollService_sdkMaxTimeout**

consumerAuthenticationInformation. sdkTransactionId

SDK unique transaction identifier that is generated on each new transaction.

Specifications

- Data Type: String
- Data Length: 36

Mapping Information

- REST API Field: **consumerAuthenticationInformation.sdkTransactionId**
- SCMP API Field: **pa_sdk_transaction_id**
- Simple Order API Fields:
 - **payerAuthEnrollReply_sdkTransactionID**
 - **payerAuthEnrollService_sdkTransactionID**
 - **payerAuthValidateReply_sdkTransactionID**

consumerAuthenticationInformation. signedPares

Payer authentication result (PAREs) message returned by the card-issuing bank. If you need to show proof of enrollment checking, you might need to decrypt and parse the string for the information required by the payment card company.



Important

The value is in Base64. You must remove all carriage returns and line feeds before adding the PAREs to the request.

Specifications

- Data Type: String

Mapping Information

- REST API Field: **consumerAuthenticationInformation.signedPares**
- SCMP API Field: **pa_signedpares**
- Simple Order API Field: **payerAuthValidateService_signedPAREs**

consumerAuthenticationInformation. signedParesStatusReason

Reason for payer authentication response status.

This field is available only for the Banque de France et Tresor Public, BNP Paribas France, and Credit Mutuel-CIC processors and is used to process secure transactions in France.

Possible values:

- **01**: Card authentication failed.
- **02**: Unknown device. Example: Device fingerprint not recognised because the device is an old mobile phone.
- **03**: Unsupported device.
- **04**: Exceeds authentication frequency limit. Strong customer authentication is required every six transactions or when the cumulative amount for the payment card during the preceding week exceeds 100 EUR.
- **05**: Expired card.
- **06**: Invalid card number.
- **07**: Invalid transaction.
- **08**: No card record. The card was not found in the 3-D Secure server database.
- **09**: Security failure as determined by 3-D Secure server.
- **10**: Stolen card.
- **11**: Suspected fraud.
- **12**: Cardholder is not permitted to perform this transaction.
- **13**: Cardholder is not enrolled in 3-D Secure service.
- **14**: Transaction timed out at the access control server (ACS), which is a server on the issuer side of the 3-D Secure protocol.
- **15**: Low confidence as determined by 3-D Secure server.
- **16**: Medium confidence.
- **17**: High confidence.
- **18**: Very high confidence.
- **19**: Exceeds the maximum number of challenges permitted by the ACS.
- **20**: Non-payment transaction is not supported.
- **21**: 3-D Secure request for information, such as BIN lookup, is not supported.
- **22**: ACS technical problem.
- **23**: Decoupled authentication is required by the ACS but you did not request it.
- **24**: Your maximum expiration time was exceeded.
- **25**: There was not enough time for decoupled authentication to authenticate the cardholder.
- **26**: Authentication was attempted but the cardholder was not authenticated.

When you request the payer authentication and authorization services separately, get the value for this field from the **consumerAuthenticationInformation.signedParesStatusReason** response field.

Specifications

- Data Type: Integer
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.signedParesStatusReason**
- SCMP API Field: **pares_status_reason**
- Simple Order API Field: **ccAuthService_paresStatusReason**

consumerAuthenticationInformation. specificationVersion

This field contains the 3-D Secure version that was used to process the transaction. For example, 1.0.2 or 2.0.0.

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

- REST API Field: **consumerAuthenticationInformation.specificationVersion**
- SCMP API Fields:
 - **pa_enroll_specification_version**
 - **pa_validate_specification_version**
- Simple Order API Fields:
 - **payerAuthEnrollReply_specificationVersion**
 - **payerAuthValidateReply_specificationVersion**

consumerAuthenticationInformation. stepUpUrl

The fully qualified URL that the merchant uses to post a form to the cardholder in order to complete the consumer authentication transaction for the Cardinal Cruise Direct Connection API integration.

Specifications

- Data Type: String
- Data Length: 2048

Mapping Information

- REST API Field: **consumerAuthenticationInformation.stepUpUrl**
- SCMP API Field: **pa_step_up_url**
- Simple Order API Field: **payerAuthEnrollReply_stepUpURL**

consumerAuthenticationInformation. strongAuthentication. delegatedAuthenticationExemptionIndicator

Exemption indicator for delegated authentication.

This flag specifies whether the transaction is exempt from strong customer authentication (SCA) requirements in Europe because the authentication was delegated to a different provider, such as an acquirer or payment technology provider (PTP).

Possible values:

- **0** (default): Not exempt.
- **1**: Exempt from SCA requirements because the authentication was delegated to a different provider

Visa Platform Connect

For Mastercard transactions, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR6
- Position: 145-146
- Field: Mastercard Low-Risk Merchant Indicator

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.strongAuthentication.delegatedAuthenticationExemptionIndicator**
- SCMP API Field: **delegated_authentication_exemption_indicator**
- Simple Order API Field: **ccAuthService_delegatedAuthenticationExemptionIndicator**

consumerAuthenticationInformation.strongAuthentication.issuerInformation.delegatedAuthenticationResult

Code that indicates whether the issuer validated your request for a delegated authentication exemption.

This field is available only on the Visa Platform Connect processor.

Possible values:

- **2**: Request for a delegated authentication exemption was validated.
- **3**: Request for a delegated authentication exemption was not validated.

When this field returns a value of **3**, the reason is returned in the

consumerAuthenticationInformation.strongAuthentication.issuerInformation.riskAnalysisExemptionResult

response field.

Specifications

- Data Type: String
- Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.strongAuthentication.issuerInformation.delegatedAuthenticationResult**
- SCMP API Field: **delegated_authentication_result**
- Simple Order API Field: **ccAuthService_delegatedAuthenticationResult**

consumerAuthenticationInformation. strongAuthentication.issuerInformation. lowValueExemptionResult

Code that indicates whether the issuer validated your request for a low-value amount exemption.

This field is available only on the Visa Platform Connect processor.

Possible values:

- **0**: Low value exemption does not apply to the transaction.
- **1**: Transaction exempt from SCA as the merchant/acquirer has determined it to be a low value payment.

Specifications

- Data Type: String
- Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.strongAuthentication.issuerInformation.lowValueExemptionResult**
- SCMP API Field: **issuer_low_value_exemption_result**
- Simple Order API Field: **issuer_lowValueExemptionResult**

consumerAuthenticationInformation. strongAuthentication.issuerInformation. riskAnalysisExemptionResult

Reason that the issuer declined your request for a strong customer authentication exemption.

This field is available only on the Visa Platform Connect processor.

This value is a series of a maximum of 20 four-digit codes and no delimiters. Possible codes:

- **8401**: You are not participating in the Visa Trusted Listing program.
- **8402**: Issuer is not participating in the Visa Trusted Listing program.
- **8403**: Your business is not included on the cardholder's list of trusted merchants.
- **8404**: Issuer response is unclear or invalid.

- **8473**: Your business is not included on the cardholder's list of trusted merchants.
- **8474**: Transaction information does not meet the exemption criteria.
- **8904**: Issuer response is unclear or invalid (Visa).
- **8905**: No entry found in the supplemental database (Visa).
- **8906**: Did not meet exemption criteria (Visa).
- **8A01**: Merchant not participating in Visa Delegated Authentication Program.
- **8A02**: Issuer not participating in Visa Delegated Authentication Program.
- **8A04**: Issuer response is unclear or invalid.
- **8A06**: Did not meet the exemption criteria (Visa).
- **8A07**: Visa merchant ID invalid for service.
- **8A08**: CAVV invalid value.
- **8A76**: Did not meet the exemption criteria (Issuer).

Visa Platform Connect

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP07 TCR9
- Position: 61-140
- Field: Reasons for Not Honoring SCA Exemptions

Specifications

- Data Type: String
- Data Length: 80

Mapping Information

- REST API Field: **consumerAuthenticationInformation.strongAuthentication.issuerInformation.riskAnalysisExemptionResult**
- SCMP API Field: **issuer_risk_analysis_exemption_result**
- Simple Order API Field: **issuer_riskAnalysisExemptionResult**

consumerAuthenticationInformation. strongAuthentication.issuerInformation. secureCorporatePaymentResult

Code that indicates whether the issuer validated your request for a secure corporate payment exemption.

This field is available only on the Visa Platform Connect processor.

Possible values:

- **2**: Request for a secure corporate payment exemption was validated.

- **3**: Request for a secure corporate payment exemption was not validated.

Specifications

- Data Type: String
- Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.strongAuthentication.issuerInformation.secureCorporatePaymentResult**
- SCMP API Field: **issuer_secure_corporate_payment_result**
- Simple Order API Field: **issuer_secureCorporatePaymentResult**

consumerAuthenticationInformation. strongAuthentication.issuerInformation. transactionRiskAnalysisExemptionResult

Code that indicates whether the issuer validated your request for a transaction risk analysis exemption.

This field is available only on the Visa Platform Connect processor.

Possible values:

- **2**: Request for a transaction risk analysis exemption was validated.
- **3**: Request for a transaction risk analysis exemption was not validated.

Specifications

- Data Type: String
- Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.strongAuthentication.issuerInformation.transactionRiskAnalysisExemptionResult**
- SCMP API Field: **issuer_transaction_risk_analysis_exemption_result**
- Simple Order API Field: **issuer_transactionRiskAnalysisExemptionResult**

consumerAuthenticationInformation. strongAuthentication.issuerInformation. trustedMerchantExemptionResult

Code that indicates whether the issuer validated your request for a trusted merchant exemption.

This field is available only on the Visa Platform Connect processor.

Possible values:

- **2**: Request for a trusted merchant exemption was validated.
- **3**: Request for a trusted merchant exemption was not validated.

Specifications

- Data Type: String
- Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.strongAuthentication.issuerInformation.trustedMerchantExemptionResult**
- SCMP API Field: **issuer_trusted_merchant_exemption_result**
- Simple Order API Field: **issuer_trustedMerchantExemptionResult**

consumerAuthenticationInformation. strongAuthentication. lowValueExemptionIndicator

Exemption indicator for a low payment amount.

This flag specifies whether the transaction is exempt from strong customer authentication (SCA) requirements in Europe because the payment amount is low.

Possible values:

- **0** (default): Not exempt.
- **1**: Exempt from SCA requirements because the payment amount is low.

Visa Platform Connect

For Mastercard transactions, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR6
- Position: 145-146
- Field: Mastercard Low-Risk Merchant Indicator

For transactions with other card types, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR8
- Position: 126
- Field: Low Value Exemption Indicator

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.strongAuthentication.lowValueExemptionIndicator**
- SCMP API Field: **low_value_exemption_indicator**
- Simple Order API Fields: **ccAuthService_lowValueExemptionIndicator**

consumerAuthenticationInformation. strongAuthentication. riskAnalysisExemptionIndicator

Exemption indicator for a low-risk transaction.

This flag specifies whether the transaction is exempt from strong customer authentication (SCA) requirements in Europe because it is a low-risk transaction. Low-risk transactions are described by the Payments Service Directive 2/Regulatory Technical Standards (PSD2/RTS) regulations.

Possible values:

- **0** (default): Not exempt.
- **1**: Exempt from SCA requirements because the transaction is low risk.

Visa Platform Connect

To set the default for this field, contact customer support.

For Mastercard transactions, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR6
- Position: 145-146
- Field: Mastercard Low-Risk Merchant Indicator

For transactions with other card types, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR8
- Position: 127
- Field: Transaction Risk Analysis Exemption Indicator

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.strongAuthentication.riskAnalysisExemptionIndicator**
- SCMP API Field: **risk_analysis_exemption_indicator**
- Simple Order API Field: **ccAuthService_riskAnalysisExemptionIndicator**

consumerAuthenticationInformation.threeDSServerOperatorId

The Directory Server-assigned 3-D Secure server identifier.

When checking enrollment and during validation for payer authentication, each Directory Server can provide a unique ID to each 3-D Secure server on an individual basis in the response.

Required for mada transactions.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

- REST API Field: **consumerAuthenticationInformation.threeDSServerOperatorId**
- SCMP API Field:

- **pa_enroll_pa_three_ds_server_operator_id**
- **pa_validate_pa_three_ds_server_operator_id**
- Simple Order API Field:
 - **payerAuthEnrollReply_threeDSServerOperatorId**
 - **payerAuthValidateReply_threeDSServerOperatorId**

consumerAuthenticationInformation. threeDSServerTransactionId

Unique transaction identifier assigned by the 3-D Secure server to identify a single transaction.

Specifications

- Data Type: String
- Data Length: 36

Mapping Information

- REST API Field: **consumerAuthenticationInformation.threeDSServerTransactionId**
- SCMP API Field: **pa_three_ds_server_transaction_id**
- Simple Order API Fields:
 - **ccAuthService_threeDSServerTransactionID**
 - **payerAuthEnrollReply_threeDSServerTransactionID**
 - **payerAuthValidateReply_threeDSServerTransactionID**

consumerAuthenticationInformation. transactionFlowIndicator

Indicates the RuPay seamless flow.

This field is supported only for RuPay.

Possible Values:

- **01**: Transaction performed by domestic merchant for authentication and authorization or authorization only.
- **02**: Transaction performed by domestic merchant with token provisioning.
- **03**: Transaction performed by international merchant.
- **04**: Authentication transaction.
- **05**: Authentication transaction for provisioning.

- **06**: Domestic in-app transaction.
- **07**: International in-app transaction.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.transactionFlowIndicator**
- SCMP API Field: No corresponding field.
- Simple Order API Field: No corresponding field.

consumerAuthenticationInformation. transactionToken

Token used to authenticate the customer.

This field is supported only on RuPay for the payer authentication seamless flow.

Specifications

- Data Type: String
- Data Length: 256

Mapping Information

- REST API Field: **consumerAuthenticationInformation.transactionToken**
- SCMP API Field: No corresponding field.
- Simple Order API Field: No corresponding field.

consumerAuthenticationInformation. ucafAuthenticationData

Universal cardholder authentication field (UCAF) data.

This field is available only on the FDC Compass and Visa Platform Connect processors.



Important

Mastercard has indicated that an issuing bank can downgrade an authorization request to a non-secure transaction when the UCAF collection indicator is 1 and

UCAF authentication data is not present. An issuing bank can choose not to settle a downgraded Mastercard Identity Check transaction. When UCAF authentication data is not present, set the UCAF collection indicator to 0.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR8
- Position: 126-157
- Field: Mastercard UCAF Data

Specifications

- Data Type: String
- Data Length (request): 32
- Data Length (response): 255

Mapping Information

- REST API Field: **consumerAuthenticationInformation.ucafAuthenticationData**
- SCMP API Fields:
 - **pa_enroll_ucaf_authentication_data**
 - **pa_validate_ucaf_authentication_data**
 - **ucaf_authentication_data**
- Simple Order API Fields:
 - **payerAuthEnrollReply_ucafAuthenticationData**
 - **payerAuthValidateReply_ucafAuthenticationData**
 - **ucaf_authenticationData**

consumerAuthenticationInformation. ucafCollectionIndicator

Universal cardholder authentication field (UCAF) collection indicator used for Mastercard Identity Check.

Cielo, Getnet, and Rede

For data only authorizations in Brazil, set this field to 4.

When you request the payer authentication and authorization services separately, get the value for this field from the **consumerAuthenticationInformation.ucafCollectionIndicator** response field.

Possible values:

- **0**: UCAF collection is not supported on your web site.
- **1**: UCAF collection is supported on your web site, and the UCAF was populated.

- **2**: UCAF collection is supported on your web site and the UCAF was populated. This value indicates a successful Mastercard Identity Check transaction. Use this value for Apple Pay and Samsung Pay transactions.
- **5**: UCAF collection is supported at your web site, and the UCAF was populated based on the risk assessment that the issuer performed. This value is supported only for Masterpass transactions.
- **6**: UCAF collection is supported at your web site, and the UCAF was populated based on the risk assessment that you performed. This value is supported only for Masterpass transactions.

When this value is returned, the field value indicates transaction was downgraded.
Possible values:

- **0**: The transaction was downgraded.
- **1**: The transaction was not downgraded.

Important

A value of 0 for the UCAF collection indicator response field for a Mastercard transaction indicates that Mastercard downgraded the transaction. When Mastercard approves an authorization and downgrades the transaction, you are responsible for the transaction. To confirm the downgrade, look at the e-commerce indicator for the transaction in the Business Center. You can proceed with the transaction if you want to accept responsibility. If you do not want to accept responsibility, reverse the authorization, attempt to authenticate the customer again, and request another authorization.

Visa Platform Connect

The value for this field corresponds to the following data in the TC 33 capture file.

- Record: CP01 TCR7
- Position: 5
- Field: Mastercard Electronic Commerce Indicators—UCAF Collection Indicator

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.ucafCollectionIndicator**
- SCMP API Fields:
 - **pa_enroll_ucaf_collection_indicator**
 - **pa_validate_ucaf_collection_indicator**
 - **ucaf_collection_indicator**
- Simple Order API Fields:

- **payerAuthEnrollReply_ucafCollectionIndicator**
- **payerAuthValidateReply_ucafCollectionIndicator**
- **ucaf_collectionIndicator**

consumerAuthenticationInformation. validityPeriod

Number of minutes that the one-time password is valid for the incoming transaction. This field is supported only for RuPay payer authentication seamless flow.

Possible values: **00** - **30**.

Specifications

- Data Type: Integer
- Data Length: 5

Mapping Information

- REST API Field: **consumerAuthenticationInformation.validityPeriod**
- SCMP API Field: No corresponding field.
- Simple Order API Field: No corresponding field.

consumerAuthenticationInformation. veresEnrolled

Verification response enrollment status.

This field is available only on the Asia, Middle East, and Africa Gateway processor.

Possible values:

- **Y**: Authentication available.
- **N**: Customer not participating.
- **U**: Unable to authenticate regardless of the reason.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.veresEnrolled**

- SCMP API Field: **veres_enrolled**
- Simple Order API Field: **ccAuthService_veresEnrolled**

consumerAuthenticationInformation. whiteListStatus

Enables the communication of trusted beneficiary and whitelist status among the ACS, the directory server, and the 3-D Secure requester.

Possible values:

- **Y**: 3-D Secure requester is whitelisted by cardholder.
- **N**: 3-D Secure requester is not whitelisted by cardholder.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **consumerAuthenticationInformation.whiteListStatus**
- SCMP API Field: **pa_white_list_status**
- Simple Order API Fields:
 - **payerAuthEnrollReply_whiteListStatus**
 - **payerAuthValidateReply_whiteListStatus**

consumerAuthenticationInformation. whiteListStatusSource

This field is populated by the system setting Whitelist Status.

Possible values:

- **1**: 3-D Secure server.
- **2**: Directory server.
- **3**: ACS.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **consumerAuthenticationInformation.whiteListStatusSource**
- SCMP API Field: **pa_white_list_status_source**
- Simple Order API Fields:
 - **payerAuthEnrollReply_whiteListStatusSource**
 - **payerAuthValidateReply_whiteListStatusSource**

consumerAuthenticationInformation.xid

Transaction identifier.

This value must be 28-character Base64 or 40-character hex binary.

For Visa Secure on FDC Nashville Global, the value for this field is set to the XID value when the XID is present in the authorization request and the CAVV is not present.

Apple Pay and Samsung Pay Transactions

- American Express: For a 20-byte cryptogram, set this field to the cryptogram for authorizations with payment network tokens. For a 40-byte cryptogram, set this field to block A of the cryptogram for authorizations with payment network tokens. All cryptograms use one of these formats.
- Visa: The value for this field must be 28-character base64 or 40-character hex binary. All cryptograms use one of these formats.

Specifications

- Data Type: String
- Data Length (request): 40
- Data Length (response): 255

Mapping Information

- REST API Field: **consumerAuthenticationInformation.xid**
- SCMP API Fields:
 - **pa_enroll_xid**
 - **pa_validate_xid**
 - **xid**
- Simple Order API Fields:

- **ccAuthService_xid**
- **payerAuthEnrollReply_xid**
- **payerAuthValidateReply_xid**

country

Country where Unified Checkout is being used. Use a two-character ISO country code.
Possible values:

AD-CV	CY-ID	IE-MM	MN-SG	SI-ZW
AD	CY	IE	MN	SI
AE	DE	IL	MO	SK
AF	DJ	IM	MR	SL
AG	DK	IN	MT	SM
AL	DK	IQ	MU	SN
AM	DM	IS	MV	SO
AO	DO	IT	MW	SR
AR	DZ	JE	MX	SS
AT	EC	JM	MY	ST
AU	EE	JO	MZ	SV
AZ	EG	JP	NA	SZ
BA	ER	KE	NE	TD
BB	ES	KG	NG	TG
BD	ET	KH	NI	TH
BE	FI	KI	NL	TJ
BF	FJ	KM	NO	TL
BG	FM	KN	NP	TM
BH	FO	KR	NR	TN
BI	FR	KW	NZ	TO
BJ	GA	KZ	OM	TR

AD-CV	CY-ID	IE-MM	MN-SG	SI-ZW
BN	GB	LA	PA	TT
BO	GD	LB	PE	TV
BR	GE	LC	PG	TW
BS	GG	LI	PH	TZ
BT	GH	LK	PK	UA
BW	GI	LR	PL	UG
BY	GL	LS	PS	US
BZ	GM	LT	PT	UY
CA	GN	LU	PW	UZ
CD	GQ	LV	PY	VA
CF	GR	LY	QA	VC
CG	GT	MA	RO	VE
CH	GW	MC	RS	VN
CI	GY	MD	RW	VU
CL	HK	ME	SA	WS
CM	HN	MG	SB	YE
CN	HR	MH	SC	ZA
CO	HT	MK	SD	ZM
CR	HU	ML	SE	ZW
CV	ID	MM	SG	

Specifications

- Data Type: Enum

Mapping Information

- REST API Field: **country**
- Simple Order API Field: No corresponding field.

creditAmountDetails

The following fields provide credit information.

creditAmountDetails. creditAmount

Amount credited to the cardholder.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **creditAmountDetails.creditAmount** and **refundAmountDetails.refundAmount**
- SCMP API Fields:
 - **credit_credit_amount**
 - **pin_debit_credit_auth_amount**
- Simple Order API Fields:
 - **ccCreditReply_amount**
 - **pinDebitCreditReply_amount**

creditAmountDetails. currency

Currency used in the transaction.

Use a three-character ISO currency code. For a list of ISO currency codes, see: [ISO Currency Codes](#).

For authorization reversal or capture services, you must use the same currency that was used for the authorization.

For the PIN debit reversal service, you must use the same currency that was used for the PIN debit purchase or PIN debit credit that you are reversing.

When using Dynamic Currency Conversion (DCC) with a Third-Party Provider:, use the customer's billing currency.

Visa Platform Connect

For Mastercard installment payments in Peru, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 108-110
- Field: Financing Currency

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Fields:
 - **orderInformation.amountDetails.currency**
 - **creditAmountDetails.currency**
 - **refundAmountDetails.currency**
 - **reversalAmountDetails.currency**
- SCMP API Field: **currency**
- Simple Order API Field: **purchaseTotals_currency**

currencyConversion

The following fields provide currency conversion data.

currencyConversion.indicator

Flag indicating whether Dynamic Currency Conversion is used for the order.

- 1: Converted; Value was converted using DCC.
- 2: Not Convertible; Cannot use DCC for this transaction.
- 3: Declined; Customer declined to use DCC.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **currencyConversion.indicator**
- SCMP API Field: **dcc_indicator**
- Simple Order API Field: **dcc_dcclIndicator**

currencyConversion.reconciliationId

Optional description or label for the point-of-sale terminal.

Specifications

- Data Type: String
- Data Length: 128

Mapping Information

- REST API Field: **currencyConversion.reconciliationId**
- SCMP API Field: **exchange_rate_timestamp**
- Simple Order API Field: No corresponding field

description

Optional description or label for the point-of-sale terminal.

Specifications

- Data Type: String
- Data Length: 128

Mapping Information

- REST API Field: **description**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

deviceExternalId

Identifier from the partner's system that is used to set up the point-of-sale (POS) terminal firmware, software, and configurations.

To get this value, contact Cybersource customer support.

Specifications

- Data Type: String
- Data Length: 64

Mapping Information

- REST API Field: **deviceExternalId**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

deviceInformation

The following fields provide device information.

deviceInformation. appUrl

App URL used by Korea Cyber Payment (KCP) to wake up the merchant app after payment processing.

Only alphanumeric characters are accepted.

Format: {a-z}://

Specifications

- Data Type: String
- Data Length: 512

Mapping Information

- REST API Field: **deviceInformation.appUrl**
- SCMP API Field: No corresponding field
- Simple Order API Field: **ap_appUrl**

deviceInformation. cookiesAccepted

Whether the customer's browser accepts cookies.

This field can contain one of these values:

- **yes**: The customer's browser accepts cookies.
- **no**: The customer's browser does not accept cookies.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **deviceInformation.cookiesAccepted**
- SCMP API Field: **customer_cookies_accepted**
- Simple Order API Field: **billTo_httpBrowserCookiesAccepted**

deviceInformation. hostName

DNS resolved hostname from the **deviceInformation.ipAddress** field.

Specifications

- Data Type: String
- Data Length: 60

Mapping Information

- REST API Field: **deviceInformation.hostName**
- SCMP API Field: **customer_hostname**
- Simple Order API Field: **billTo_hostname**

deviceInformation. httpAcceptBrowserValue

Value of the HTTP accept header sent by the customer's web browser.



Important

If the customer's browser provides a value, you must include it in your request.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **deviceInformation.httpAcceptBrowserValue**
- SCMP API Field: **pa_http_accept**

- Simple Order API Field: **payerAuthEnrollService_httpAccept**

deviceInformation.httpAcceptContent

The exact content of the HTTP accept header.

Specifications

- Data Type: String
- Data Length: 256

Mapping Information

- REST API Field: **deviceInformation.httpAcceptContent**
- SCMP API Field: **pa_http_user_accept**
- Simple Order API Field: **payerAuthEnrollService_httpUserAccept**

deviceInformation.httpBrowserColorDepth

Indicates the bit depth of the color palette for displaying images, in bits per pixel.

Example: **24**

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **deviceInformation.httpBrowserColorDepth**
- SCMP API Field: **http_browser_color_depth**
- Simple Order API Field: **billTo_httpBrowserColorDepth**

deviceInformation.httpBrowserEmail

Email address set in the customer's browser, which may differ from **orderInformation.billTo.email**.

Specifications

- Data Type: String

- Data Length: 100

Mapping Information

- REST API Field: **deviceInformation.httpBrowserEmail**
- SCMP API Field: **http_browser_email**
- Simple Order API Field: **billTo_httpBrowserEmail**

deviceInformation.httpBrowserJavaEnabled

Indicates the ability of the cardholder browser to execute Java.

The value is returned from the navigator.javaEnabled property. This field can contain one of these values:

- **true**: cardholder's browser can execute Java.
- **false**: cardholder's browser cannot execute Java.

Specifications

- Data Type: Boolean
- Data Length: 1

Mapping Information

- REST API Field: **deviceInformation.httpBrowserJavaEnabled**
- SCMP API Field: **http_browser_java_enabled**
- Simple Order API Field: **billTo_httpBrowserJavaEnabled**

deviceInformation.httpBrowserJavaScriptEnabled

Indicates the ability of the cardholder browser to execute JavaScript.

This value is available from the fingerprint details of the cardholder's browser. This field can contain one of these values:

- **true**: Cardholder's browser can execute JavaScript.
- **false**: Cardholder's browser cannot execute JavaScript.

Specifications

- Data Type: Boolean
- Data Length: 1

Mapping Information

- REST API Field: **deviceInformation.httpBrowserJavaScriptEnabled**
- SCMP API Field: **http_browser_javascript_enabled**
- Simple Order API Field: **billTo_httpBrowserJavaScriptEnabled**

deviceInformation.httpBrowserLanguage

Indicates the browser language as defined in IETF BCP47.

Example: `en-US`

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

- REST API Field: **deviceInformation.httpBrowserLanguage**
- SCMP API Field: **http_browser_language**
- Simple Order API Field: **billTo_httpBrowserLanguage**

deviceInformation.httpBrowserScreenHeight

Total height of the cardholder's screen in pixels.

Example: `864`

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

- REST API Field: **deviceInformation.httpBrowserScreenHeight**
- SCMP API Field: **http_browser_screen_height**
- Simple Order API Field: **billTo_httpBrowserScreenHeight**

deviceInformation.httpBrowserScreenWidth

Total width of the cardholder's screen in pixels.

Example: **1536**

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

- REST API Field: **deviceInformation.httpBrowserScreenWidth**
- SCMP API Field: **http_browser_screen_width**
- Simple Order API Field: **billTo_httpBrowserScreenWidth**

deviceInformation.httpBrowserTimeDifference

Time difference between UTC time and the cardholder browser local time, in minutes.

Example: **300**

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **deviceInformation.httpBrowserTimeDifference**
- SCMP API Field: **http_browser_time_difference**
- Simple Order API Field: **billTo_httpBrowserTimeDifference**

deviceInformation.userAgentBrowserValue

Value of the User-Agent header sent by the customer's web browser.



Important

If the customer's browser provides a value, you must include it in your request.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **deviceInformation.userAgentBrowserValue**
- SCMP API Field: **pa_http_user_agent**
- Simple Order API Field: **payerAuthEnrollService_httpUserAgent**

deviceInformation. ipAddress

Customer's IP address.

Specifications

- Data Type: String
- Data Length: 45

Mapping Information

- REST API Field: **deviceInformation.ipAddress**
- SCMP API Field: **customer_ipaddress**
- Simple Order API Field: **billTo_ipAddress**

deviceInformation. userAgent

Customer's browser as identified from the HTTP header data.

Example:

Mozilla is the value that identifies the Firefox browser.

Chrome is the value that identifies the Google Chrome browser.

Specifications

- Data Type: String
- Data Length: 40

Mapping Information

- REST API Field: **deviceInformation.userAgent**

- SCMP API Field: **http_browser_type**
- Simple Order API Field: **billTo_httpBrowserType**

documentInformation

The following fields provide information about the document.

documentInformation.signedDocuments. documentId

Document identifier of the boarded merchant's signed document.

Syntax

```
{
  "documentInformation": {
    "signedDocuments": [
      "documentId": "TCProcessing"
    ]
  }
}
```

Specifications

- Data Type: String
- Maximum Data Length: 200

Mapping Information

No corresponding fields.

errorInformation

The following fields provide error information.

errorInformation.reason

Reason for the status.

Possible values are:

- `CUSTOMER_WATCHLIST_MATCH`
- `ADDRESS_COUNTRY_WATCHLIST_MATCH`
- `EMAIL_COUNTRY_WATCHLIST_MATCH`
- `IP_COUNTRY_WATCHLIST_MATCH`
- `INVALID_MERCHANT_CONFIGURATION`

Specifications

- Data Type: String
- Data Length: 31

Mapping Information

- REST API Field: **errorInformation.reason**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

firmwareVersion

Version number of terminal firmware.
To get this value, contact Cybersource customer support.

Specifications

- Data Type: String
- Data Length: 64

Mapping Information

- REST API Field: **firmwareVersion**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

hardwareRevision

Revision number of terminal hardware.

To get this value, contact Cybersource customer support.

Specifications

- Data Type: String
- Data Length: 64

Mapping Information

- REST API Field: **hardwareRevision**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

healthcareInformation

The following fields provide healthcare information.

healthCareInformation. amountDetails.amount

Amount of the healthcare payment.

Send this field with a corresponding **healthCareInformation.amountDetails.amountType** field.

Example:

```
"healthCareInformation":{  
  "amountDetails":[{  
    "amountType":"vision",  
    "amount":"60.00"  
  }],  
}
```

Specifications

- Data Type: String
- Data Length: 13

Mapping Information

- REST API Field: **healthCareInformation.amountDetails.amount**
- SCMP API Field: **health_care_#_amount**
- Simple Order API Field: **healthCare#_amount**

healthCareInformation. amountDetails.amountType

Type of healthcare payment.

Mastercard possible values:

- `eligible-total`: total amount of healthcare.
- `prescription`

Visa possible values:

- `clinic`
- `dental`
- `healthcare`: total amount of healthcare.
- `healthcare-transit`
- `prescription`
- `vision`

Send this field with a corresponding `healthCareInformation.amountDetails.amount` field.

Example:

```
"healthCareInformation":{
  "amountDetails":[{"
    "amountType":"vision",
    "amount":"60.00"
  }],
}
```

Specifications

- Data Type: String
- Data Length: 35

Mapping Information

- REST API Field: `healthCareInformation.amountDetails.amountType`
- SCMP API Field: `health_care_#_amount_type`
- Simple Order API Field: `healthCare#_amountType`

id

For transaction processing, this field contains the processor transaction identifier (TID) that is used to identify and track a transaction throughout its lifecycle.

For plans and subscriptions, the identifier is assigned by Cybersource to identify the submitted plan or subscription request.

Not all processors provide this value for transaction processing.

American Express Direct

American Express generates this value. To comply with the American Express Card Acceptance Processing Network (CAPN) requirements, this value must be included in all subsequent follow-on requests, such as captures and follow-on credits.

When you perform authorizations, captures, and credits through Cybersource, Cybersource passes this value from the authorization service to the subsequent services for you. However, when you perform authorizations through Cybersource and perform subsequent services through other financial institutions, you must ensure that requests for captures and credits include this value.

Cielo

This value is the non-sequential unit (NSU) and is returned for all transactions. Cielo or the issuing bank generates the value.

Comercio Latino

This value is the proof of sale or non-sequential unit (NSU) number. The Cielo acquirer, Rede acquirer, or issuing bank generates the value.

Moneris

This value identifies the transaction on a host system. You must store this value. If

you give the customer a receipt, display this value on the receipt.

The value contains the following information:

- Terminal used to process the transaction
- Shift during which the transaction took place
- Batch number
- Transaction number within the batch

Example: For the value **66012345001069003**:

- Terminal ID = 66012345
- Shift number = 001
- Batch number = 069
- Transaction number = 003

GPN

The value is generated for each card type:

- American Express: The payment card company generates this value. This value is saved and sent to the processor in all subsequent capture requests.
- Discover: The payment card company generates this value. This value is saved and sent to the processor in all subsequent requests for full authorization reversals and captures.
- Mastercard: The payment card company generates this value. This value is saved and sent to the processor in all subsequent requests for full authorization reversals and captures.

Format:

- Positions 1-9: Mastercard Banknet reference number.
- Positions 10-13: Date.
- Positions 14-15: Spaces.
- Visa: The payment card company generates this value. This value is saved and sent to the processor in all subsequent requests for full authorization reversals and captures.
- Other Card Types: Not used.

Visa Platform Connect

The value is generated for each card type:

- American Express: American Express generates this value. It is included in all replies from the American Express Global Network (AEGN).
- Mastercard: This value is the qualification information for the Mastercard Interchange Compliance (MIC) program. It is used for all Mastercard responses coming from Mastercard Banknet through Visa to certified acquirers. Format:
 - Positions 1–4: Date in MMDD format.
 - Positions 5–7: Product code or financial network code. Mastercard can introduce new values for this subfield without advance notice.
 - Positions 8–13: First six digits of Mastercard Banknet reference number.
 - Positions 14–15: Spaces.
- Visa and other card types: The payment card company generates this value. It is unique for each original authorization and identifies a transaction throughout its life cycle.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR7
- Position: 81-95
- Field: Gateway Transaction Identifier

Specifications

- Data Type: String
- Data Length for Transaction Processing: 26
- Data Length for Transaction Processing:
 - Cielo: 50
 - Elavon: 22
 - Comercio Latino: 20
 - Cybersource Latin American Processing: 50
 - Moneris: 18
 - All other processors: 26
- Data Length for Plans and Subscriptions: 26

Mapping Information

- REST API Field: **id**
- SCMP API Fields:
 - **auth_payment_network_transaction_id**
 - **auth_processor_trans_id**
 - **auth_request_id**
 - **auth_reversal_processor_trans_id**
 - **ecp_debit_request_id**
- Simple Order API Fields:
 - **ccAuthReply_paymentNetworkTransactionID**
 - **ccAuthReply_processorTransactionID**
 - **ccAuthReversalReply_processorTransactionID**
 - **ccAuthReversalService_authRequestID**
 - **ccCaptureService_authRequestID**
 - **ccCheckStatusService_authRequestID**
 - **ccIncrementalAuthService_authRequestID**
 - **ecDebitService_debitRequestID**

information

The following fields provide miscellaneous information.

Information. feeProgramIndicator

Interchange reimbursement fee program indicator (FPI), which is used when assessing the fee applied to a cross-border or domestic Asia Pacific financial transaction.

Acquirers and issuers retain and return the FPI value in chargeback and representments.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **Information.feeProgramIndicator**
- SCMP API Field: **fee_program_indicator**
- Simple Order API Field: **feeProgramIndicator**

installmentInformation

The following fields provide installment information.

installmentInformation.additionalCosts

Additional costs charged by the issuer to fund the installment payments.

This field is available only for Crediario installment payments in Brazil on the Visa Platform Connect processor.

Obtain the value for this field from the authorization response for a Crediario eligibility request.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 128-139
- Field: Total Other Costs

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **installmentInformation.additionalCosts**
- SCMP API Field: **installment_additional_costs**
- Simple Order API Field: **installment_additionalCosts**

installmentInformation. additionalCostsPercentage

Additional costs divided by the amount funded.

This field is available only for Crediario installment payments in Brazil on the Visa Platform Connect processor.

Example: A value of `1.0` specifies 1%.

Example: A value of `4.0` specifies 4%.

Obtain the value for this field from the authorization response for a Crediario eligibility request.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 140-143
- Field: Percent of Total Other Costs

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **installmentInformation.additionalCostsPercentage**
- SCMP API Field: **installment_additional_costs_percentage**
- Simple Order API Field: **installment_additionalCostsPercentage**

installmentInformation. amount

Amount of the current installment payment.

This field is available only for Mastercard installment payments on the Visa Platform Connect processor in all countries except Croatia and Georgia.

Argentina

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 26-37
- Field: Installment Amount

Brazil

In Brazil, this field is available only for Crediario installment payments.

When you do not include this field in a request for a Crediarío installment payment, a value of **0** is sent to the processor.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 26–37
- Field: Amount of Each Installment

Chile

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 24–35
- Field: Installment Amount

Georgia (Sakartvelo)

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 63–74
- Mastercard Subsequent Installment Amount

Greece

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 23–34
- Field: Amount of Each Installment

Mexico

Cybersource does not validate the combination of values for this field.

Format:

- Positions 1–2: Grace period in months
- Positions 3–4: Total number of installments
- Positions 5–6: Plan type:
 - **03**: Without interest for the cardholder
 - **05**: With interest for the cardholder
 - **07**: Skip payment

Example: **030007**

Example: **000603**

Peru

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 23–34
- Field: Amount of Each Installment

Other Countries

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 63–74
- Field: Mastercard Subsequent Installment Amount

Specifications

- Data Type: String
- Data Length:
 - Standing-instruction MIT with Diners Club or Mastercard in India or with an India-issued card: 10 excluding decimal
 - Installment payment in Mexico: 6
 - Other kinds of installment payments: 12

Mapping Information

- REST API Field: **installmentInformation.amount**
- SCMP API Fields:
 - **auth_installment_amount**
 - **installment_amount**
- Simple Order API Field: **installment_amount**

installmentInformation.amountFunded

Amount funded.

This field is available only for Crediario installment payments in Brazil on the Visa Platform Connect processor.

Obtain the value for this field from the authorization response for a Crediario eligibility request.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 48–59 Field: Total Amount Funded

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **installmentInformation.amountFunded**
- SCMP API Fields:
 - **auth_installment_amount_funded**
 - **installment_amount_funded**
- Simple Order API Field: **installment_amountFunded**

installmentInformation. amountRequestedPercentage

Amount requested divided by the amount funded.

This field is available only for two kinds of installment payments in Brazil on the Visa Platform Connect processor:

- Crediario with Visa: this field is included in the authorization response for the Crediario eligibility request when the issuer approves the customer's request for Crediario installment payments.
- Mastercard.

Example: A value of **90.0** specifies 90%.

Example: A value of **93.7** specifies 93.7%.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 60-63
- Field: Percent of Amount Requested

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **installmentInformation.amountRequestedPercentage**
- SCMP API Field: **auth_installment_amount_requested_percentage**
- Simple Order API Field: **installment_amountRequestedPercentage**

installmentInformation. annualFinancingCost

Annual cost of financing the installment payments.

This field is available only for Crediario installment payments in Brazil on the Visa Platform Connect processor.

This field is included in the authorization response for the Crediario eligibility request when the issuer approves the customer's request for Crediario installment payments in Brazil.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 158-164
- Field: Annual Total Cost of Financing

Specifications

- Data Type: String
- Data Length: 7

Mapping Information

- REST API Field: **installmentInformation.annualFinancingCost**
- SCMP API Fields:
 - **auth_installment_annual_financing_cost**
 - **installment_annual_financing_cost**
- Simple Order API Field: **installment_annualFinancingCost**

installmentInformation. annualInterestRate

Annual interest rate.

This field is available only for two kinds of installment payments on the Visa Platform Connect processor:

- Crediario with Visa in Brazil: this field is included in the authorization response for the Crediario eligibility request when the issuer approves the customer's request for Crediario installment payments.
- Mastercard in all countries except Brazil, Croatia, Georgia, and Greece.

Example: A value of **1.0** specifies 1%.

Example: A value of **4.0** specifies 4%.

Brazil

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 151-157
- Field: Annual Interest Rate

Other Countries

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 58-62
- Field: Mastercard Annual Percentage Rate

Specifications

- Data Type: String
- Data Length: 7

Mapping Information

- REST API Field: **installmentInformation.annualInterestRate**
- SCMP API Fields:
 - **auth_installment_annual_interest_rate**
 - **installment_annual_interest_rate**
- Simple Order API Field: **installment_annualInterestRate**

installmentInformation. downPayment

Down payment.

This field is available only for airline transactions on the Getnet processor.

Specifications

- Data Type: String
- Data Length:12

Mapping Information

- REST API Field: **installmentInformation.downPayment**
- SCMP API Field: **installment_down_payment**
- Simple Order API Field: **installment_downPayment**

installmentInformation. eligibilityInquiry

Flag that specifies whether the authorization request is a Crediario eligibility inquiry. This field is available only for Crediario installment payments in Brazil on the Visa Platform Connect processor.

Set the value for this field to **Crediario**.

Specifications

- Type: String
- Length: 9

Mapping Information

- REST API Field: **installmentInformation.eligibilityInquiry**
- SCMP API Field: **eligibility_inquiry**
- Simple Order API Field: **eligibilityInquiry**

installmentInformation. expenses

Expenses charged by the issuer to fund the installment payments.

This field is available only for two kinds of installment payments in Brazil on the Visa Platform Connect processor:

- Crediario with Visa: this field is included in the authorization response for the Crediario eligibility request when the issuer approves the customer's request for Crediario installment payments.
- Mastercard.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 64-75
- Field: Total Expenses

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **installmentInformation.expenses**
- SCMP API Field: **auth_installment_expenses**

- Simple Order API Field: **installment_expenses**

installmentInformation.expensesPercentage

Expenses divided by the amount funded.

This field is available only for two kinds of installment payments in Brazil on the Visa Platform Connect processor:

- Crediario with Visa: this field is included in the authorization response for the Crediario eligibility request when the issuer approves the customer's request for Crediario installment payments.
- Mastercard.

Example: A value of **1.0** specifies 1%.

Example: A value of **4.0** specifies 4%.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 76-79
- Field: Percent of Total Expenses

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **installmentInformation.expensesPercentage**
- SCMP API Field: **auth_installment_expenses_percentage**
- Simple Order API Field: **installment_expensesPercentage**

installmentInformation.fees

Fees charged by the issuer to fund the installment payments.

This field is available only for two kinds of installment payments on the Visa Platform Connect processor:

Crediario with Visa in Brazil

This field is included in the authorization response for the Crediario eligibility request when the issuer approves the customer's request for Crediario installment payments.

Mastercard

This field is included in all countries except Croatia, Georgia, and Greece.

Brazil

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 80–91
- Field: Total Fees

Other Countries

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 46–57
- Field: Mastercard Installment Fee

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **installmentInformation.fees**
- SCMP API Fields:
 - **auth_installment_fees**
 - **installment_fees**
- Simple Order API Field: **installment_fees**

installmentInformation.feesPercentage

Fees divided by the amount funded.

This field is available only for two kinds of installment payments in Brazil on the Visa Platform Connect processor:

- Crediario with Visa: this field is included in the authorization response for the Crediario eligibility request when the issuer approves the customer's request for Crediario installment payments.
- Mastercard.

Example: A value of **1.0** specifies 1%.

Example: A value of **4.0** specifies 4%.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9

- Position: 92-95
- Field: Percent of Total Fees

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **installmentInformation.feesPercentage**
- SCMP API Field: **auth_installment_fees_percentage**
- Simple Order API Field: **installment_feesPercentage**

installmentInformation. firstInstallmentAmount

Amount of the first installment payment.

This field is available only for Mastercard installment payments on the Visa Platform Connect processor in all countries except Brazil, Croatia, and Greece.

The issuer provides this value when the first installment payment is successful.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 23-34
- Field: Amount of Each Installment

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **installmentInformation.firstInstallmentAmount**
- SCMP API Fields
 - Georgia (Sakartvelo): **installment_first_installment_amount**
 - Other Countries: **auth_installment_first_installment_amount**
- Simple Order API Field: **installment_firstInstallmentAmount**

installmentInformation.firstInstallmentDate

Date of the first installment payment.

This field is available only on the Visa Platform Connect processor.

Argentina

When you do not include this field, a string of six zeros (**000000**) is sent to the processor.

In Argentina, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 38-43
- Field: Consumer Deferred Sale

Brazil

Crediaro installment payments.

When you do not include this field, a string of six zeros (**000000**) is sent to the processor.

For Crediaro installment payments in Brazil, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 42-47
- Field: Date of First Installment

Greece

Mastercard only.

For Mastercard installment payments in Greece, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 102-107
- Field: Mastercard Greece First Installment Due Date

Peru

Mastercard only.

For Mastercard installment payments in Peru, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 102-107

- Field: Mastercard Peru First Installment Due Date

Specifications

- Data Type: String
- Data Length: 6
- Format: YYMMDD

Mapping Information

- REST API Field: **installmentInformation.firstInstallmentDate**
- SCMP API Field: **installment_first_installment_date**
- Simple Order API Field: **installment_firstInstallmentDate**

installmentInformation.frequency

Frequency of the installment payments.

This field is available only on the Visa Platform Connect processor.

Possible values for standing-instruction MITs with Diners Club or Mastercard in India or with an India-issued card:

- **1**: Daily (for an installment payment or recurring payment).
- **2**: Weekly (for an installment payment or recurring payment).
- **3**: Every two weeks (for an installment payment or recurring payment).
- **4**: Monthly (for an installment payment or recurring payment).
- **5**: Quarterly (for an installment payment or recurring payment).
- **6**: Half-yearly (for an installment payment or recurring payment).
- **7**: Annually (for an installment payment or recurring payment).
- **8**: As needed (for an unscheduled COF transaction).

Possible values for other kinds of installment payments:

- **B**: Biweekly.
- **M**: Monthly.
- **W**: Weekly.

Crediaro Installment Payments

When you do not include this field in a request for a Credario installment payment, a space character is sent to the processor.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 41
- Field: Installment Frequency

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **installmentInformation.frequency**
- SCMP API Field: **installment_frequency**
- Simple Order API Field: **installment_frequency**

installmentInformation. gracePeriodDuration

Grace period requested by the customer before the first installment payment is due. This field is available only on the Prosa and Visa Platform Connect processors.

Prosa

Length of grace period in months.

Valid values: **00** through **99**.

When the value for the installment plan type field is **07**, the installment grace period duration must be greater than **00**.

Visa Platform Connect

This field is available only for Mastercard installment payments in Brazil, Greece, and Peru.

When you include this field in a request, you must also include the grace period duration type field.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 99-101
- Field: Mastercard Grace Period Details

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **installmentInformation.gracePeriodDuration**
- SCMP API Field: **installment_grace_period_duration**
- Simple Order API Field: **installment_gracePeriodDuration**

installmentInformation. gracePeriodDurationType

Unit for the requested grace period duration.

This field is available only for Mastercard installment payments in Brazil and Greece on the Visa Platform Connect processor.

Possible values:

- **D**: Days.
- **W**: Weeks.
- **M**: Months.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 99
- Field: Mastercard Grace Period Details

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **installmentInformation.gracePeriodDurationType**
- SCMP API Field: **installment_grace_period_duration_type**
- Simple Order API Field: **installment_gracePeriodDurationType**

installmentInformation. identifier

Identifier for an installment payment transaction.

This field is available only for the following card types and transactions on the Visa Platform Connect processor:

- Diners Club: standing instruction (SI) merchant-initiated transaction (MIT) in India or with an India-issued card. You must register with the SI hub in India to obtain this value.

- Mastercard: standing instruction (SI) merchant-initiated transaction (MIT) in India or with an India-issued card. You must register with the SI hub in India to obtain this value.
- Visa: MIT installment scenario in India.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 121-155
- Field: Plan Registration System Identifier

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length: 35

Mapping Information

- REST API Field: **installmentInformation.identifier**
- SCMP API Field: **installment_identifier**
- Simple Order API Field: **installment_identifier**

installmentInformation.insurance

Insurance charged by the issuer to fund the installment payments.

This field is available only for two kinds of installment payments in Brazil on the Visa Platform Connect processor:

- Crediario with Visa: this field is included in the authorization response for the Crediario eligibility request when the issuer approves the customer's request for Crediario installment payments.
- Mastercard.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 112-123
- Field: Total Insurance

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **installmentInformation.insurance**
- SCMP API Fields:
 - **auth_installment_insurance**
 - **installment_insurance**
- Simple Order API Field: **installment_insurance**

installmentInformation. insurancePercentage

Insurance costs divided by the amount funded.

This field is available only for two kinds of installment payments in Brazil on the Visa Platform Connect processor:

- Crediario with Visa: this field is included in the authorization response for the Crediario eligibility request when the issuer approves the customer's request for Crediario installment payments.
- Mastercard.

Example: A value of **1.0** specifies 1%.

Example: A value of **4.0** specifies 4%.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 124-127
- Field: Percent of Total Insurance

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **installmentInformation.insurancePercentage**
- SCMP API Field:
 - **auth_installment_insurance_percentage**
 - **installment_insurance_percentage**
- Simple Order API Field: **installment_insurancePercentage**

installmentInformation.invoiceData

Invoice information that you want to provide to the issuer.

This field is available only for installment payments with Mastercard in Brazil on the Visa Platform Connect processor.

This value is similar to a tracking number and is the same for all installment payments for one purchase.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR4
- Position: 51-70
- Field: Purchase Identification

Specifications

- Data Type: String
- Data Length: 20

Mapping Information

- REST API Field: **installmentInformation.invoiceData**
- SCMP API Field: **installment_invoice_data**
- Simple Order API Field: **installment_invoiceData**

installmentInformation.maximumTotalCount

Maximum number of installments offered by the issuer for this purchase.

This field is available only for installment payments with Mastercard in all countries except Brazil, Croatia, Georgia, and Greece on the Visa Platform Connect processor.

The issuer provides this value when the first installment payment is successful.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 77-78
- Field: Mastercard Maximum Number Of Installments

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **installmentInformation.maximumTotalCount**

- SCMP API Field: **auth_installment_maximum_total_count**
- Simple Order API Field: **installment_maximumTotalCount**

installmentInformation.minimumTotalCount

Minimum number of installments offered by the issuer for this purchase.

This field is available only for installment payments with Mastercard in all countries except Brazil, Croatia, Georgia, and Greece on the Visa Platform Connect processor.

The issuer provides this value when the first installment payment is successful.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 75-76
- Field: Mastercard Minimum Number Of Installments

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **installmentInformation.minimumTotalCount**
- SCMP API Field: **auth_installment_minimum_total_count**
- Simple Order API Field: **installment_minimumTotalCount**

installmentInformation.monthlyInterestRate

Monthly interest rate.

This field is available only for two kinds of installment payments on the Visa Platform Connect processor:

- Crediario with Visa in Brazil: this field is included in the authorization response for the Crediario eligibility request when the issuer approves the customer's request for Crediario installment payments.
- Mastercard in all countries except Croatia, Georgia, and Greece.

Example: A value of **1.0** specifies 1%.

Example: A value of **4.0** specifies 4%.

Brazil

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 144-150

- Field: Monthly Interest Rate

Other Countries

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 41-45
- Field: Mastercard Interest Rate

Specifications

- Data Type: String
- Data Length: 7

Mapping Information

- REST API Field: **installmentInformation.monthlyInterestRate**
- SCMP API Field:
 - **auth_installment_monthly_interest_rate**
 - **installment_monthly_interest_rate**
- Simple Order API Field: **installment_monthlyInterestRate**

installmentInformation. paymentType

Payment plan for installments.

This field is available only for installment payments on the Visa Platform Connect processor.

This field is available for RuPay seamless flow.

Possible values for a standing-instruction (SI) merchant-initiated transaction (MIT) with Diners Club or Mastercard in India or with an India-issued card:

- **1**: SI with a fixed amount.
- **2**: SI with a maximum amount.
- **3**: Other kind of SI.

Possible values for other kinds of installment payments:

- **0** (default): Regular installment. This value is not allowed for airline transactions.
- **1**: Installment payment with down payment.
- **2**: Installment payment without down payment. This value is supported only for airline transactions.
- **3**: Installment payment. Down payment and boarding fee will follow. This value is supported only for airline transactions.
- **4**: Down payment only. Regular installment payment will follow.
- **5**: Boarding fee only. This value is supported only for airline transactions.

- **6**: SI de-registration on RuPay for the payer authentication seamless flow.

Brazil

In Brazil, this field is available only for installment payments with Visa.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP07 TCR1
- Position: 9
- Field: Merchant Installment Supporting Information

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

India

In India, this field is available only for standing-instruction MITs.

Rest of World

In all countries except Brazil, Croatia, Georgia, and Greece, this field is available only for installment payments with Mastercard.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 35-37
- Field: Installment Payment Number

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **installmentInformation.paymentType**
- SCMP API Field: **installment_payment_type**
- Simple Order API Field: **installment_paymentType**

installmentInformation.planId

Identifier for the issuer-funded installment plan.

This field is available only for Chile on the Visa Platform Connect processor.

Possible values:

- **0**: No deferred period.
- **1**: Deferred period 1.
- **2**: Deferred period 2.
- **3**: Deferred period 3.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 40
- Field: Deferred Period

Specifications

- Data Type: String
- Data Length: 50

Mapping Information

- REST API Field: **installmentInformation.planId**
- SCMP API Field: **installment_plan_id**
- Simple Order API Field: **installment_planID**

installmentInformation.planType

Type of installment plan.

This field is available only on the American Express Direct, Cielo, Cybersource Latin American Processing, Prosa, and Visa Platform Connect processors.

American Express Direct, Cielo, and Cybersource Latin American Processing

Possible values:

- **1**: Merchant-funded installment plan.
- **2**: Issuer-funded installment plan.

When you do not include this field in the request, the value in your account is used. To change the value in your account, contact customer service.

Cybersource Latin American Processing is the name of a specific processing connection. Cybersource Latin American Processing does not refer to the general topic of processing in Latin America. The information in this field description, or in this section of the field description, is for the specific processing connection called Cybersource Latin American Processing.

Prosa

It is not for any other Latin American processors.

Possible values:

- **00**: Not a promotion.
- **03**: Interest is not charged to the customer.
- **05**: Interest is charged to the customer.
- **07**: Skip payment: buy now and pay the full amount later in one payment.

Visa Platform Connect with American Express

American Express-defined code that specifies the type of installment plan.

Contact American Express for:

- Information about the kinds of installment plans that American Express provides.
- Values for this field.

For installment payments with American Express in Brazil, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP07 TCR3
- Position: 5-6
- Field: Plan Type

Visa Platform Connect with Visa or Mastercard

Possible values:

- **0** or **00**: Non-installment plan—only with Visa in Paraguay.
- **1** or **01**: Merchant-funded installment plan.
- **2** or **02**: Issuer-funded installment plan.
- **3** or **03**: Co-branded merchant financed—only with Mastercard in Brazil.
- **4** or **04**: Issuer merchant co-financed—only with Mastercard in Brazil.
- **5** or **05**: Deferred issuer-funded installment plan—only with Visa in Paraguay.
- **6** or **06**: Acquirer-funded installment plan—only with Mastercard in Paraguay.
- **7** or **07**: Merchant-funded government plan—only with Visa in Argentina.

- 8 or 08: Average payment financing installments—only with Mastercard in Paraguay.
- 43: Crediario installment plan—only with Visa in Brazil.

For installment payments in Argentina, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 22-23
- Field: Installment Type

For installment payments in Chile, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 23
- Field: Installment Type

For installment payments with Visa in Brazil, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP07 TCR1
- Position: 5-6
- Field: Installment Type

For installment payments in Paraguay, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 39-40
- Field: Installment Plan Type

For installment payments with Mastercard in Peru, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 39-40
- Field: Installment Plan Type

For all other kinds of installment payments, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 39–40
- Field: Installment Plan Type

Specifications

Prosa and Visa Platform Connect:

- Data Type: String
- Data Length: 2

All Other Processors:

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **installmentInformation.planType**
- SCMP API Field: **installment_plan_type**
- Simple Order API Field: **installment_planType**

installmentInformation.sequence

Installment payment number.

This field is used along with **installmentInformation.totalCount** to track which payment is being processed.

Example: These are the values for the second of five payments:

```
installmentInformation.sequence=2  
installmentInformation.totalCount=5
```

Visa Platform Connect

When you do not include this field in a request for a Crediario installment payment, a value of `0` is sent to the processor.

For Crediario installment payments, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 38–40
- Field: Installment Payment Number

For installment payments in Paraguay, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 35–37
- Field: Installment Payment Number

Specifications

- Data Type: Integer
- Data Length: 2

Mapping Information

- REST API Field: **installmentInformation.sequence**
- SCMP API Field: **installment_sequence**
- Simple Order API Field: **installment_sequence**

installmentInformation.taxes

Taxes collected by the issuer to fund the installment payments.

This field is included in the authorization response for a Crediario eligibility request when the issuer approves the customer's request for Crediario installment payments in Brazil. This field is available only for Crediario installment payments in Brazil on the Visa Platform Connect processor.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 96-107
- Field: Total Taxes

Specifications

- Type: String
- Length: 12

Mapping Information

- REST API Field: **installmentInformation.taxes**
- SCMP API Field: **installment_taxes**
- Simple Order API Field: **installment_taxes**

installmentInformation.taxesPercentage

Taxes divided by the amount funded.

This field is available only for two kinds of installment payments in Brazil on the Visa Platform Connect processor.

- Crediario with Visa: this field is included in the authorization response for the Crediario eligibility request when the issuer approves the customer's request for Crediario installment payments.

- Mastercard.

Example: A value of **1.0** specifies 1%.

Example: A value of **4.0** specifies 4%.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 108-111
- Field: Percent of Total Taxes

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **installmentInformation.taxesPercentage**
- SCMP API Fields:
 - **auth_installment_taxes_percentage**
 - **installment_taxes_percentage**
- Simple Order API Field: **installment_taxesPercentage**

installmentInformation. totalAmount

Total amount of the loan that is being paid in installments.

This field is available only for installment payments with Mastercard in all countries except Croatia, Georgia, and Greece on the Visa Platform Connect processor.

Brazil

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 8-19
- Field: Installment Total Amount

Other Countries

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 5-16
- Field: Installment Payment Total Amount

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **installmentInformation.totalAmount**
- SCMP API Field:
 - **auth_installment_total_amount**
 - **installment_total_amount**
- Simple Order API Field: **installment_totalAmount**

installmentInformation.totalCount

Total number of installment payments.

This field is available only for installment payments with Mastercard in all countries except Brazil, Croatia, Georgia, and Greece on the Visa Platform Connect processor.

This field is used along with **installmentInformation.sequence** to track which payment is being processed.

Example: These are the values for the second of five payments:

```
installmentInformation.sequence=2
installmentInformation.totalCount=5
```

American Express Direct, Cielo, and Credit Mutuel-CIC

This value is the total number of installments that you approved.

Cybersource Latin American Processing in Brazil

This value is the total number of installments that you approved. The default is 1.

Prosa

Valid values: 00 through 99. When the value for the installment plan type field is 07, the installment total count is set to 00.

Visa Platform Connect in Argentina

Valid values with Mastercard: 02 through 99.
Valid values with Visa: 00 through 99.
The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 24-25
- Field: Number of Installments

Visa Platform Connect in Brazil

For Mastercard installments and for Crediario installment payments with Visa, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 23-25

Visa Platform Connect in Chile

- Field: Number of Installments

Valid values: 02 through 48.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 20-22
- Field: Number of Installments

Visa Platform Connect in Paraguay

Valid values with Visa: 0 through 99.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 20-22
- Field: Number of Installments

Visa Platform Connect in Peru

Valid values with Mastercard: 0 through 99.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 20-22
- Field: Number of Installments

Visa Platform Connect in All Countries Except Argentina, Brazil, Chile, Paraguay, and Peru

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 20-22
- Field: Number of Installments

For installment payments with American Express or with Visa, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP07 TCR3
- Position: 7-8
- Field: Number of Installments

Specifications

- Data Type: Integer
- Data Length: 2

Mapping Information

- REST API Field: **installmentInformation.totalCount**
- SCMP API Field: **auth_installment_total_count**
- Simple Order API Field: **installment_totalCount**

installmentInformation.validationIndicator

Validation indicator for an installment payment.

This field is available only for a standing instruction (SI) merchant-initiated transaction (MIT) with Diners Club or Mastercard in India or with an India-issued card on the Visa Platform Connect processor.

Possible values:

- **0**: Not validated.
- **1**: Validated. The customer provided consent for the payment.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **installmentInformation.validationIndicator**
- SCMP API Field: **installment_validation_indicator**
- Simple Order API Field: **installment_validationIndicator**

integrationInformation

The following fields provide information about the integration.

integrationInformation. oauth2. clientId

Client identifier that is registered with OAuth 2.0.

Syntax

```
{
  "integrationInformation": {
    "oauth2": [
      "clientId": "client123"
    ]
  }
}
```

Specifications

- Data Type: String
- Maximum Data Length: 32

Mapping Information

No corresponding fields.

integrationInformation. tenantConfigurations[]. solutionId

The unique identifier of the solution to be associated with the merchant. This ID is assigned to the solution during tech partner and solution onboarding.

Syntax

```
{
  "integrationInformation": {
    "tenantConfigurations": [
      "solutionId": "12345678"
    ]
  }
}
```

The syntax must conform to this regular expression:

```
^[0-9a-zA-Z_]+$
```

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

No corresponding fields.

integrationInformation. tenantConfigurations[]. tenantConfigurationId

Unique identifier for the tenant that contains the associated solution ID and merchant ID. This identifier is used to retrieve tenant details and manage the tenant status. This field is assigned to the tenant during the boarding process and is returned in a response.

Syntax

```
{
  "integrationInformation": {
```

```

"tenantConfigurations": [
  "tenantConfigurationId": "id1234"
]
}
}

```

Specifications

- Data Type: String
- Minimum Data Length: 6
- Maximum Data Length: 30

Mapping Information

No corresponding fields.

integrationInformation. tenantConfigurations[]. tenantInformation. tenantId

The optional external identifier that is included in tenant information. This ID is provided by technology partners.

Syntax

```

{
  "integrationInformation": {
    "tenantConfigurations": [
      "tenantInformation": {
        "tenantId": "tenant123"
      }
    ]
  }
}

```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 50

Mapping Information

No corresponding fields.

invoiceDetails

The following fields provide invoice information.

invoiceDetails. salesSlipNumber

In requests, this field is the transaction identifier that you generate. In responses, this field identifies the transaction identifier.

This field is available only on the JCN Gateway and Visa Platform Connect processors.

The difference between this field and the **processorInformation.systemTraceAuditNumber** field is that Cybersource generates the receipt number for the **processorInformation.systemTraceAuditNumber** field, and you must print the receipt number on the receipt. However, for this field, you can generate the sales slip number, and you can choose to print the sales slip number on the receipt.

Visa Platform Connect

Required in Argentina and Japan.

In Argentina, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 8-15
- Field: Field Purchase Receipt Number

In Japan, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 143-147
- Field: Sales Slip Number

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: Integer
- Data Length in Argentina: 8
- Data Length in Japan: 5

Mapping Information

- REST API Field: **invoiceDetails.salesSlipNumber**
- SCMP API Field: **sales_slip_number**
- Simple Order API Field: **salesSlipNumber**

issuerInformation

The following fields provide issuer information.

issuerInformation. accountPrefix

First six or eight digits of the payment account number (PAN).

The length of the field is determined by PCI-DSS standards for truncation. For more information about formats for PAN truncation, see https://pcissc.secure.force.com/faq/articles/Frequently_Asked_Question/What-are-acceptable-formats-for-truncation-of-primary-account-numbers.

If you have questions about receiving this field, contact customer support.

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

No corresponding fields.

issuerInformation. binLength

Length of the card prefix or bank identification number (BIN).

Specifications

- Data Type: String
- Data Length: 2

issuerInformation. country

Country where the card was issued.

This information enables you to determine whether the card was issued domestically or internationally.

Use two-character [ISO Standard Country Codes](#).

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **issuerInformation.country**
- SCMP API Field: **auth_card_issuer_country**
- Simple Order API Field: **ccAuthReply_cardIssuerCountry**

issuerInformation. discretionaryData

Data defined by the issuer.

This field is available only for Visa and Mastercard on the Visa Platform Connect processor. The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP08 TCR1
- Position: 5-168
- Field: Free Form Text

The tables provide examples of the formats for discretionary data specific to acquirers for issuer-funded installment payments. The issuers and acquirers work together to develop and reach consensus on the formats. You must contact your acquirer for information about the formats to use.

Example: Discretionary Data Format for Issuer-Funded Installment Payments with Visa Guatemala

```
VC100000000050000
```

Discretionary Data Format for Issuer-Funded Installment Payments with Visa Guatemala

Position (Character or Digit #)	Number of Characters or Digits	Description
1-2	2	Prefix. Set this value to VC.

Position (Character or Digit #)	Number of Characters or Digits	Description
3-4	2	Total number of installments.
5-16	12	Total amount.

Example: Discretionary Data Format for Issuer-Funded Installment Payments with Visa Uruguay

006120123456789100000000008160003359

Discretionary Data Format for Issuer-Funded Installment Payments with VisaNet Uruguay

Position (Character or Digit #)	Number of Characters or Digits	Description
1-2	2	Plan type. Set this value to 00. Specifies that the transaction is an e-commerce transaction.
3	1	Grace period. Number of months that the issuer waits before charging customers.
4-5	2	Total number of installments. Possible values: 00 through 99.
6	1	POS entry mode. Set this value to 0. Specifies that the transaction is an e-commerce transaction.
7-15	9	Identity document number. Set this value to the number on the customer's identity document or leave it blank. Format: right justified with 0 (zero) padding on the left.

Position (Character or Digit #)	Number of Characters or Digits	Description
16	1	Financial inclusion law indicator. Possible values: 1: Law 17934 2: Law 18099 3: Asignaciones familiares (AFAM) (family allowance program) 4: Real state law 5: Law 19210
17-28	12	Financial inclusion amount. This value is the amount the bank returns to the customer.
29-35	7	Merchant-generated invoice number.

Specifications

- Data Type: String
- Data Length: 255



Important

For an authorization, the maximum length for this value is 255 characters. In the capture file, the value is truncated at 164 characters.

Mapping Information

- REST API Field: **issuerInformation.discretionaryData** and **processingInformation.issuer.discretionaryData**
- SCMP API Field: **issuer_additional_data**
- Simple Order API Field: **issuer_additionalData**

issuerInformation.name

Issuer's name.

Specifications

- Data Type: String
- Data Length: 1000

Mapping Information

No corresponding fields.

issuerInformation. phoneNumber

Issuer's customer service phone number.

Specifications

- Data Type: String
- Data Length: 20

Mapping Information

No corresponding fields.

issuerInformation. responseCode

For FDC Nashville Global card-not-present transactions, the raw decline code received from the card association.

For card-present transactions, the additional authorization code that must be printed on the receipt when returned by the processor. This field can be used to identify when to retry authorization for a declined transaction and increase successful transaction volumes.

This value is generated by the processor.

This field is available for card-present and card-not-present transactions for all card brands on .

These processors are supported for card-not-present transactions:

- FDC Nashville Global
- HSBC

These processors are supported for card-present transactions:

- FDC Nashville Global
- SIX



Important

For FDC Nashville Global, this field is used in conjunction with **processorInformation.merchantAdvice.code** for Visa and Mastercard. See [processorInformation.merchantAdvice.code](#) on page 656 to determine whether to retry a declined transaction. Retrying on a transaction with a value in this field which prohibits retries can incur a penalty from card companies.



Important

SIX is currently not receiving Association/Issuer response codes. It receives an additional authorization code printed on the receipt when returned by the processor.

Possible Values

Association response codes are returned for the following card types.

FDC Nashville Global and HSBC

Visa:

- **000**: Successful approval/completion or that V.I.P. PIN verification is successful
- **001**: Refer to card issuer
- **002**: Refer to card issuer, special condition
- **003**: Invalid merchant or service provider
- **004**: Pickup card
- **005**: Do not honor
- **006**: Error
- **007**: Pickup card, special condition (other than lost/stolen card)
- **010**: Partial approval
- **011**: V.I.P. approval
- **012**: Invalid transaction
- **013**: Invalid amount (currency conversion field overflow); or amount exceeds maximum for card program
- **014**: Invalid account number (no such number)
- **015**: No such issuer
- **019**: Re-enter transaction
- **021**: No action taken (unable to back out prior transaction)
- **025**: Unable to locate record in file, or account number is missing from the inquiry
- **028**: File is temporarily unavailable

- 039: No credit account
- 041: Pickup card (lost card)
- 043: Pickup card (stolen card)
- 046: Closed account
- 051: Insufficient funds
- 052: No checking account
- 053: No savings account
- 054: Expired card
- 055: Incorrect PIN
- 057: Transaction not permitted to cardholder
- 058: Transaction not allowed at terminal
- 059: Suspected fraud
- 061: Exceeds approval amount limit
- 062: Restricted card (for example, in Country Exclusion table)
- 063: Security violation
- 064: Transaction does not fulfill AML requirement
- 065: Exceeds withdrawal frequency limit
- 070: PIN data required
- 075: Allowable number of PIN-entry tries exceeded
- 076: Unable to locate previous message (no match on retrieval reference number)
- 077: Previous message located for a repeat or reversal, but repeat or reversal data inconsistent with original message
- 078: "Blocked, first used"—Transaction from new cardholder, and card not properly unblocked
- 079: Transaction reversed
- 080: Visa transactions: credit issuer unavailable. Private label: invalid date
- 081: PIN cryptographic error found (error found by VIC security module during PIN decryption)
- 082: Negative Online CAM, dCVV, iCVV, or CVV results Or Offline PIN authentication interrupted
- 06P: Verification data failed

- **085**: No reason to decline request for account number verification, address verification, CVV2 verification, or credit voucher or merchandise return
- **086**: Cannot verify
- **091**: Issuer unavailable or switch inoperative (STIP not applicable or available for this transaction). Issuers can respond with this code, which V.I.P. passes to the acquirer without invoking stand-in processing (STIP). Issuer processors use the code to indicate they cannot perform authorization on issuers' behalf. Code causes decline at POS.
- **092**: Financial institution or intermediate network facility cannot be found for routing
- **093**: Transaction cannot be completed; violation of law
- **094**: Duplicate transaction. Transaction submitted containing values in tracing data fields that duplicate values in a previous transaction.
- **096**: System malfunction; System malfunction or certain field error conditions
- **01A**: Additional customer authentication required
- **0B1**: Surcharge amount not permitted on Visa cards (U.S. acquirers only)
- **0N0**: Force STIP
- **0N3**: Cash service not available
- **0N4**: Cashback request exceeds issuer limit
- **0N7**: Decline for CVV2 failure
- **0N8**: Transaction amount exceeds pre-authorized approval amount
- **0P2**: Invalid biller information
- **0P5**: PIN Change/Unblock request declined
- **0P6**: Unsafe PIN
- **0Q1**: Card authentication failed Or Offline PIN authentication interrupted
- **0R0**: Stop payment order

- **0R1**: Revocation of authorization order
- **0R3**: Revocation of all authorizations order
- **0Z3**: Unable to go online; declined
- **0XA**: Forward to issuer
- **0XD**: Forward to issuer

Mastercard:

- **000**: Approved or completed successfully
- **001**: Refer to card issuer
- **003**: Invalid merchant
- **004**: Capture card
- **005**: Do not honor
- **006**: Error
- **008**: Honor with ID
- **010**: Partial approval
- **012**: Invalid transaction
- **013**: Invalid amount
- **014**: Invalid card number
- **015**: Invalid issuer
- **017**: Customer cancellation
- **025**: Unable to locate record on file (no action taken)
- **026**: Record not in active status
- **027**: Issuer file update field edit error
- **028**: Record permanently deleted
- **029**: Delete request less than 540 days
- **030**: Format error
- **032**: Partial reversal
- **034**: Suspect Fraud
- **040**: Requested function not supported
- **041**: Lost card
- **043**: Stolen card
- **051**: Insufficient funds/over credit limit
- **054**: Expired card
- **055**: Invalid PIN
- **057**: Transaction not permitted to issuer/ cardholder
- **058**: Transaction not permitted to acquirer/terminal
- **061**: Exceeds withdrawal amount limit
- **062**: Restricted card

- 063: Security violation
- 065: Exceeds withdrawal count limit OR Identity Check Soft-Decline of EMV 3DS Authentication (merchant should resubmit authentication with 3DSv1)
- 068: Response received late
- 070: Contact card issuer
- 071: PIN not changed
- 075: Allowable number of PIN tries exceeded
- 076: Invalid/nonexistent "To Account" specified
- 077: Invalid/nonexistent "From Account" specified
- 078: Invalid/nonexistent account specified (general)
- 079: Life cycle
- 080: Duplicate add, action not performed
- 081: Domestic debit transaction not allowed (Regional use only)
- 082: Policy
- 083: Fraud/Security
- 084: Invalid authorization life cycle
- 085: Not declined Valid for all zero amount transactions
- 086: PIN validation not possible
- 087: Purchase amount only, no cash back allowed
- 088: Cryptographic failure
- 089: Unacceptable PIN - Transaction declined - Retry
- 091: Authorization platform or issuer system inoperative
- 092: Unable to route transaction
- 094: Duplicate transmission detected
- 096: System error

American Express

- 000: Approved
- 001: Approve with ID
- 002: Partial Approval (Prepaid Cards only)
- 100: Deny
- 101: Expired Card/Invalid Expiration Date

- **106**: Exceeded PIN attempts
- **107**: Please call issuer
- **109**: Invalid merchant
- **110**: Invalid amount
- **111**: Invalid account/Invalid MICR (Travelers Cheque)
- **115**: Requested function not supported
- **116**: Not sufficient funds
- **117**: Invalid PIN
- **119**: Card member not enrolled/not permitted
- **121**: Limit exceeded
- **122**: Invalid card security code (a.k.a, CID, 4DBC, 4CSC)
- **125**: Invalid effective date
- **130**: Additional customer identification required
- **181**: Format error
- **183**: Invalid currency code
- **187**: Deny - New card issued
- **189**: Deny - Canceled or Closed merchant/SE
- **193**: Invalid country code
- **200**: Deny - Pick up card
- **400**: Reversal accepted
- **900**: Accepted - ATC Synchronization
- **909**: System malfunction (Cryptographic error)
- **912**: Issuer not available

Discover:

- **000**: Approved or completed successfully
- **001**: Reserved for future USE
- **002**: Reserved for future USE
- **003**: Invalid merchant
- **004**: Capture card
- **005**: Do not honor
- **007**: Pick-up card, special condition
- **008**: Reserved for future USE
- **010**: Approved for partial amount
- **011**: Approved
- **012**: Invalid transaction

- 013: Invalid amount
- 014: Invalid card number
- 015: Reserved for future USE
- 019: Re-enter transaction
- 030: Format error
- 031: Bank not supported by switch
- 033: Reserved for future USE
- 034: Reserved for future USE
- 035: Reserved for future USE
- 036: Reserved for future USE
- 037: Reserved for future USE
- 038: Allowable PIN tries exceeded
- 039: No credit account
- 040: Requested function not supported
- 041: Lost card
- 043: Stolen card
- 051: Decline
- 053: No savings account
- 054: Expired card
- 055: Invalid PIN
- 056: No card record
- 057: Transaction not permitted to issuer/
cardholder
- 058: Transaction not permitted to
acquirer/terminal
- 059: Suspected fraud
- 060: Card acceptor contact acquirer
- 061: Exceeds withdrawal amount limit
- 062: Restricted card
- 063: Security violation
- 064: Original amount incorrect
- 065: Exceeds withdrawal count limit
- 066: Card acceptor call acquirer's
security dept
- 067: Hard capture (requires ATM pick-up)
- 068: Response received too late
- 075: Allowable number of PIN tries
exceeded
- 076: Invalid/nonexistent "to" account
specified

- **077**: Invalid/nonexistent "from" account specified
- **078**: Invalid/nonexistent account specified (general)
- **083**: Domain restriction controls failure
- **085**: No reason to decline
- **087**: Network unavailable
- **091**: Authorization system or Issuer system inoperative
- **092**: Unable to route transaction
- **093**: Transaction cannot be completed, violation of law
- **094**: Duplicate transmission detected
- **096**: System malfunction
- **01A**: Customer authentication required (Decline)
- **0N1**: System-up
- **0N2**: Soft down
- **0N3**: System down
- **0N7**: Decline for AVS or CID mismatch
- **0P5**: PIN change/unblock failed
- **0P6**: New PIN not accepted

Specifications

- Data Type: Integer
- Data Length: 6

Mapping Information

- REST API Field: **issuerInformation.responseCode**
- SCMP API Field: **issuer_response_code**
- Simple Order API Field: **issuer_responseCode**

issuerInformation. serviceProcessingType

Type of service under which the transaction was processed.

Possible values:

- **00**: Normal transaction
- **A0**: Visa Alias Directory Service

Visa Platform Connect: This field is returned for domestic original credit transactions (OCTs) in Moldova and Uzbekistan.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **issuerInformation.serviceProcessingType**
- SCMP API Field: **service_processing_type**
- Simple Order API Field: **OCTReply_serviceProcessingType**

issuerInformation.transactionInformation

Information from the Discover network.

This field is available only on the Visa Platform Connect processor.

This field is used for processing industry-practice merchant-initiated token transactions with Discover and Diners Club.

Set the value for this field to the value for the **processorInformation.transactionID** field that was in the response message when you obtained the customer's credentials.

When you use this field, you must also include the **processorInformation.cardReferenceData** field.

Specifications

- Data Type: String
- Data Length:
 - Discover: 29
 - Mastercard: 22

Mapping Information

- REST API Field: **issuerInformation.transactionInformation**
- SCMP API Field: **payment_network_transaction_information**
- Simple Order API Field: **paymentNetworkTransactionInformation**

issuerInformation.verificationType

Type of customer verification data you are requesting.

This field is available only for Mastercard installment payments in Poland on the Visa Platform Connect processor.

After receiving the authorization request, the issuer sends you the type of data you requested by means of a communication method or network that does not include Visa Platform Connect. Use the data to verify the customer's identity.

Possible values:

- **01**: Customer's personal data.
- **02**: Customer's age.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **issuerInformation.verificationType**
- SCMP API Field: **auth_verification_type**
- Simple Order API Field: **ccAuthService_verificationType**

locale

Locale where Unified Checkout is being used. This field controls aspects of the application such as the language it will be rendered in.

Possible values:

- ar_AE
- ca_ES
- cs_CZ
- da_DK
- de_AT
- de_DE
- el_GR
- en_AU
- en_CA
- en_GB
- en_IE
- en_NZ
- en_US
- es_AR
- es_CL
- es_CO
- es_ES
- es_MX
- es_PE
- es_US
- fi_FI
- fr_CA
- fr_FR
- he_IL
- hr_HR

- hu_HU
- id_ID
- it_IT
- ja_JP
- km_KH
- ko_KR
- lo_LA
- ms_MY
- nb_NO
- nl_NL
- pl_PL
- pt_BR
- ru_RU
- sk_SK
- sv_SE
- th_TH
- tl_PH
- tr_TR
- vi_VN
- zh_CN
- zh_HK
- zh_MO
- zh_SG
- zh_TW

Specifications

- Data Type: Enum

Mapping Information

- REST API Field: **locale**
- Simple Order API Field: No corresponding field.

make

Manufacturer of the point-of-sale (POS) terminal.

When sending a request, you must send either the **partName** field or both the **make** and **model** fields.

Valid values:

- Ingenico
- PAX
- Verifone

Specifications

- Data Type: String
- Data Length: Pre-defined values

Mapping Information

- REST API Field: **make**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

merchantDefinedSecureInformation

The following fields provide merchant defined secure information.

merchantDefinedSecureInformation[]. key

Name that you assign as the key for your merchant-defined secure data field.

This field is available only on the Visa Platform Connect processor.

You can pass up to four merchant-defined secure data fields in a single authorization request. To add merchant-defined secure data to a request, include an optional array of up to four name-value pairs. Cybersource encrypts the data before storing it in the payments repository.

This topic describes the sequence of key fields from **merchantDefinedSecureInformation[1].key** through **merchantDefinedSecureInformation[4].key**.

Important

When you include this field in the request, you must also include the corresponding **merchantDefinedSecureInformation[].value** field, which contains the secure value that corresponds to this field.

For each secure data field to be passed in the request, add two REST API fields in the form illustrated in this example:

```
"merchantDefinedSecureInformation": [
  {
    "key": "1",
    "value": "XXXXXXXXXXXXXXXXXXXXXXXXXXXX5627::|6703611202308240110111111"
  },
  {
    "value": "XXXXXXXXXXXXXXXXXXXXXXXXXXXX5627::|6703611202308240110222222",
    "key": "2"
  },
  {
    {
```

```

"key": "3",
"value": "XXXXXXXXXXXXXXXXXXXXXXXXXXXX5627::|6703611202308240110333333"
},
{
"key": "4",
"value": "XXXXXXXXXXXXXXXXXXXXXXXXXXXX5627::|6703611202308240110444444"
}
]

```

Specifications

- Data Type: String
- Data Length: 100

Mapping Information

No corresponding fields.

merchantDefinedSecureInformation[]. value

Merchant-defined secure data field to be passed in an authorization request.

This field is available only on the Visa Platform Connect processor.

You can pass up to four merchant-defined secure data fields in a single authorization request. To add merchant-defined secure data to a request, include an optional array of up to four name-value pairs. Cybersource encrypts the data before storing it in the payments repository.

This topic describes the sequence of data fields from **merchantDefinedSecureInformation[1].value** through **merchantDefinedSecureInformation[4].value**.



Important

When you include this field in the request, you must also include the corresponding **merchantDefinedSecureInformation[].key** field, which contains the key that corresponds to this field.

For each secure data field to be passed in the request, add two REST API fields in the form illustrated in this example:

```

"merchantDefinedSecureInformation": [
{
"key": "1",
"value": "XXXXXXXXXXXXXXXXXXXXXXXXXXXX5627::|6703611202308240110111111"
},
{
"value": "XXXXXXXXXXXXXXXXXXXXXXXXXXXX5627::|6703611202308240110222222",
"key": "2"
},
{

```

```
“key”: “3”,  
“value”: “XXXXXXXXXXXXXXXXXXXXXXXXXXXX5627::|6703611202308240110333333”  
},  
{  
“key”: “4”,  
“value”: “XXXXXXXXXXXXXXXXXXXXXXXXXXXX5627::|67036112023082401104444444”  
}  
]
```

Specifications

- Data Type: String
- Data Length: 2048

Mapping Information

No corresponding fields.

merchantDefinedInformation

The following fields provide merchant defined information.

merchantDefinedInformation[]. key

The number you assign as the key for your merchant-defined data field. This topic describes the sequence of fields from **merchantDefinedInformation[0].key** through **merchantDefinedInformation[100].key**.

Important

When you include this field in a request, you must also include the corresponding **merchantDefinedInformation[].value** field, which contains the value that corresponds to the **merchantDefinedInformation[].key** field.

Warning

Merchant-defined data fields are not intended to and must not be used to capture personally identifying information. Accordingly, merchants are prohibited from capturing, obtaining, or transmitting any personally identifying information in or through the merchant-defined data fields. Personally identifying information includes, but is not limited to, address, payment card number, social security number, driver's license number, state-issued identification number, passport number, and card verification numbers (CVV, CVC2, CVV2, CID, CVN). In the event Cybersource discovers that a merchant is capturing or transmitting personally identifying information through the merchant-defined data fields, whether or not intentionally, Cybersource will immediately suspend the merchant's account, which will result in a rejection of any and all transaction requests submitted by the merchant after the point of suspension.

Payer Authentication

Only fields 1 through 5 are supported in Payer Authentication. The value appears in the Case Management Details window in the Business Center. The first four fields are the same fields that are used by the Secure Data services.

Visa Platform Connect

For installment payments with Mastercard in Brazil, use

merchantDefinedInformation[0].key and

merchantDefinedData_mddField_2merchantDefinedInformation[1].key for data that you want to provide to the issuer to identify the transaction.

For installment payments with Mastercard in Brazil:

- The value for **merchantDefinedInformation[0].key** corresponds to the following data in the TC 33 capture file:
 - Record: CP07 TCR5
 - Position: 25-44
 - Field: Reference Field 2
- The value for **merchantDefinedInformation[1].key** corresponds to the following data in the TC 33 capture file:
 - Record: CP07 TCR5
 - Position: 45-64
 - Field: Reference Field 3

Specifications

- Installment payments with Mastercard on Visa Platform Connect in Brazil:
 - Data Type: String
 - Data Length: 20
- All other transactions:
 - Data Type: String
 - Data Length: 50

Mapping Information

- REST API Field: **merchantDefinedInformation[].key**
- SCMP API Field: **merchant_defined_data1** through **merchant_defined_data100**
- Simple Order API Field: **merchantDefinedData_mddField_1** through **merchantDefinedData_mddField_100**

merchantInformation

The following fields provide merchant information.

merchantInformation.cancelUrl

URL the customer is redirected to after cancelling a payment.
Make a GET request to this URL.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **merchantInformation.cancelUrl**
- SCMP API Field: **ap_initiate_cancel_url**
- Simple Order API Field: **apInitiateService_cancelURL**

merchantInformation. cardAcceptorReferenceNumber

Reference number that facilitates card acceptor/corporation communication and record keeping.

This field is available only on the Visa Platform Connect processor.

Specifications

- Data Type: String

- Data Length: 25

Mapping Information

- REST API Field: **merchantInformation.cardAcceptorReferenceNumber**
- SCMP API Field: **card_acceptor_ref_number**
- Simple Order API Field: **invoiceHeader_cardAcceptorRefNumber**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Visa Platform Connect: cardAcceptorRefNumber

merchantInformation. categoryCode

Four-digit number that the payment card industry uses to classify merchants into market segments.

A payment card company assigned one or more of these values to your business when you started accepting the payment card company's cards.

When you do not include this field in a request, the value in your account is used.

Chase Paymentech Solutions

This field is optional for Mastercard or Visa card transactions that use the Payouts services. Note: For a different combination of services, processors, or conditions, this field might be a required field.

Visa Platform Connect

This field is optional for aggregator transactions using Mastercard or Visa cards with the Payouts services.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR4
- Position: 150-153
- Field: Merchant Category Code

Specifications

- Data Type: Integer
- Data Length: 4

Mapping Information

- REST API Field: **merchantInformation.categoryCode**

- SCMP API Field: **merchant_category_code**
- Simple Order API Field: **merchantCategoryCode**

merchantInformation. categoryCodeDomestic

Merchant category code for domestic transactions.

This field is available only on the Chase Paymentech Solutions, OmniPay Direct, and Visa Platform Connect processors.

The value for this field is a four-digit number that the payment card industry uses to classify merchants into market segments. A payment card company assigned one or more of these values to your business when you started accepting the payment card company's cards. Including this field in a request for a domestic transaction might reduce interchange fees.

Visa Platform Connect

This field is available only for domestic transactions with Visa or Mastercard in Spain. Domestic means that you and the customer are in the same country. When you include this field in a Visa request, you must also include the **merchantInformation.categoryCode** field. When you include this field in a Mastercard request, including the **merchantInformation.categoryCode** field is optional.

Chase Paymentech Solutions

This field is available only for Payouts transactions. It is not supported for standard credit card transactions. It is optional for Mastercard and Visa transactions.

OmniPay Direct

Do not include the **merchantInformation.categoryCode** field. The value for this field overrides the value in your account.

This field is available only for:

- Domestic transactions with Mastercard in Spain. Domestic means that you and the customer are in the same country.
- Merchants enrolled in the OmniPay Direct interchange program.

- First Data Merchant Solutions (Europe) on OmniPay Direct.

Specifications

- Data Type: Integer
- Length: 4

Mapping Information

- REST API Field: **merchantInformation.categoryCodeDomestic**
- SCMP API Field: **merchant_category_code_domestic**
- Simple Order API Field: **merchantCategoryCodeDomestic**

merchantInformation.failureUrl

URL the customer is redirected to after a payment fails.
Make a GET request to this URL.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **merchantInformation.failureUrl**
- SCMP API Field: **ap_initiate_failure_url**
- Simple Order API Field: **apInitiateService_failureURL**

merchantInformation. merchantDescriptor.address1

Street address for your business location.
This field is available on the Barclays and Visa Platform Connect processors.
Specify the value in US English characters. The address might appear on the cardholder's statement.



Important

This field might be ignored by your acquiring bank. Contact your acquiring bank for more information about overriding your default merchant descriptor.

When you include this value in your request, Cybersource recommends that you also include these fields in the request:

- **merchantInformation.merchantDescriptor.country** (merchant descriptor country)
- **merchantInformation.merchantDescriptor.administrativeArea** (merchant descriptor state)
- **merchantInformation.merchantDescriptor.postalCode** (merchant descriptor postal code)

Visa Platform Connect

With Mastercard payment cards, the value for this field corresponds to this data in the TC 33 capture file:

- Record: CP12 TCR2
- Position: 35–82
- Field: Acceptor Street Address

Specifications

- Data Type: String
- Data Length
 - Barclays: 55
 - Visa Platform Connect: 29



Important

If the value exceeds 29 characters, excess data is truncated before it is sent to Visa.

Mapping Information

- REST API Field: **merchantInformation.merchantDescriptor.address1**
- SCMP API Field: **merchant_descriptor_street**
- Simple Order API Field: **invoiceHeader_merchantDescriptorStreet**

merchantInformation. merchantDescriptor.administrativeArea

State code or region code for your business location.

Use the standard state, province, and territory codes for the US and Canada. See [State, Province, and Territory Codes for the United States and Canada](#).

This field is available only for businesses located in the US or Canada.

This value must consist of English characters.

This value might be displayed on the cardholder's statement.



Important

This value might be ignored by your acquiring bank. Contact your acquiring bank for more information about overriding your default merchant descriptor.

When you do not include this value in your PIN debit request, the merchant state or province from your account is used.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **merchantInformation.merchantDescriptor.administrativeArea**
- SCMP API Field: **merchant_descriptor_state**
- Simple Order API Field: **invoiceHeader_merchantDescriptorState**

merchantInformation. merchantDescriptor.alternate

Alternate contact information for your business, such as an email address or URL.

This value might appear on the cardholder's statement.

For authorizations, this value is not sent to the processor. Instead, this value is stored and sent to the processor for captures and follow-on credits.

Specifications

- Data Type: String
- Data Length: 13

Mapping Information

- REST API Field: **merchantInformation.merchantDescriptor.alternate**
- SCMP API Field: **merchant_descriptor_alternate**
- Simple Order API Field: **invoiceHeader_merchantDescriptorAlternate**

merchantInformation. merchantDescriptor.alternateName

Alternate contact information for your business, such as an email address or URL. This value might appear on the cardholder's statement.

For authorizations, this value is not sent to the processor. Instead, this value is stored and sent to the processor for captures and follow-on credits.

Specifications

- Data Type: String
- Data Length: 13

Mapping Information

- REST API Field: **merchantInformation.merchantDescriptor.alternateName**
- SCMP API Field: **merchant_descriptor_alternate**
- Simple Order API Field: **invoiceHeader_merchantDescriptorAlternate**

merchantInformation. merchantDescriptor.contact

Contact information for your business.

This value must be the name of the city in which your store or outlet is located.

When you include more than one consecutive space, extra spaces are removed.

This value might be displayed on the cardholder's statement.

Important

This value might be ignored by your acquiring bank. Contact your acquiring bank for more information about overriding your default merchant descriptor.

Payouts

For Chase Paymentech Solutions, you must use one of the following formats:

- PCCCCCCCCCCCC
- NNN-NNN-NNNN
- NNN-NNN-NAAA
- NNN-NNN-AAAA
- NNN-AAAAAAA

Each character in the format represents the following formatting:

- A: Alphanumeric (alphabetical or numeric)
- C: Character (alphabetical or blank)
- N: Numeric
- P: Alphabetical

Visa Platform Connect

With Mastercard, the value of this field corresponds to the following data in the TC 33 capture file:

Record: CP12 TCR4

Position: 5–30

Field: Acceptor Phone Number

Specifications

- Data Type: String
- Data Length: 13

Mapping Information

- REST API Field: **merchantInformation.merchantDescriptor.contact**
- SCMP API Field: **merchant_descriptor_contact**
- Simple Order API Field: **invoiceHeader_merchantDescriptorContact**

merchantInformation.merchantDescriptor.country

Country code for your business location.

This field is available only for the Visa Platform Connect processor.

Use the standard ISO standard country codes.

When you do not include this value in your request, Cybersource uses the merchant country from your account.

This value must consist of English characters.

This value might be displayed on the cardholder's statement.



Important

This value might be ignored by your acquiring bank. Contact your acquiring bank for more information about overriding your default merchant descriptor.

If your business is located in the US or Canada and you include this field in a request, you must also include the REST **merchantInformation.merchantDescriptor.administrativeArea** API field.

You must include this field and the REST **aggregatorInformation.subMerchant.country** API field in your authorization and capture request if you use the Foreign Retail Indicator.

When this field and the REST **aggregatorInformation.subMerchant.country** API field are not set to the same value, the Foreign Retail Indicator is set to **F**.

When this field and the REST **aggregatorInformation.subMerchant.country** API field are set to the same value, the Foreign Retail Indicator is set to a space character.

The Foreign Retail Indicator field value corresponds to the data in the following TC 33 capture file:

- Record: CP01 TCR8
- Position: 166–168
- Field: Foreign Retail Indicator

This field is required for a Payouts original credit transaction (OCT) service request that specifies a deferred OCT processing date and time. See the REST **processingInformation.payoutOptions.deferredDateTime** API field.

To support Visa Direct transactions in Original Credit Transactions destined to issuers in Australia or Canada, you must include additional merchant address data in the authorization request:

- Field 43—Card Acceptor Name/Location
- Field 59—National Point-of-Service Geographical Data
- Field 104, Usage 2—Transaction-Specific Data in TLV format, Dataset ID 56—Additional Acceptance Information, Tag 81—Acceptor Legal Business Name

To process Faster Refund Original Credit Transactions (OCTs) in AP and the EU, include these fields in the request:

- Transaction Type
 - Record: Field 3
 - Positions: 1-2
- Transaction Amount
 - Record: Field 4
- Card Acceptor Name or Location
 - Record: Field 43
- Transaction Identifier
 - Record: Field 62.2 (in bitmap format)
- Message Reason Code
 - Record: Field 63.3
- Acceptor Legal Business Name
 - Record: 104, Usage 2—Transaction-Specific Data (in TLV format)
 - Dataset ID: 56

- Tag: 81
- Business Application Identifier (BAI)
 - Record: 104, Usage 2—Transaction-Specific Data (in TLV format)
 - Dataset ID: 57
 - Tag: 01
- Visa Merchant Identifier
 - Record: 126.5

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **merchantInformation.merchantDescriptor.country**
- SCMP API Fields:
 - **merchant_descriptor_country**
 - **pa_merchant_country_code**
- Simple Order API Fields:
 - **invoiceHeader_merchantDescriptorCountry**
 - **payerAuthEnrollService_merchantCountrycode**

merchantInformation. merchantDescriptor.countryOfOrigin

Country of origin for your business.
Use the [ISO Standard Country Codes](#).



Important

This value must consist of English characters.

This field is available only for Mastercard on the FDC Nashville Global and Visa Platform Connect processors.

If you are a government-controlled merchant, ensure your Cybersource account enabled as government-controlled merchant with the attribute **CFG : <proc>_governmentControlled**. You must include this field in authorization requests or ensure that your Cybersource account includes the correct country code with a 2-Char ISO enum.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **merchantInformation.merchantDescriptor.countryOfOrigin**
- SCMP API Field: **merchant_descriptor_countryoforigin**
- Simple Order API Field: **invoiceHeader_merchantDescriptorCountryOfOrigin**

merchantInformation. merchantDescriptor.county

County for your business location.
This field is available only on the Barclays processor.

Specifications

- Data Type: String
- Data Length: 35

Mapping Information

- REST API Field: **merchantInformation.merchantDescriptor.county**
- SCMP API Field: No corresponding field.
- Simple Order API Field: **invoiceHeader_merchantDescriptorCounty**

merchantInformation. merchantDescriptor.customerServicePhoneNumb

Customer service phone number for merchant.

Visa Platform Connect

With Mastercard, the value of this field corresponds to the following data in the TC 33 capture file:
Record: CP12 TCR2
Position: 92–107
Field: Acceptor Street Address

Specifications

- Data Type: String
- Data Length: 27

Mapping Information

- REST API Field: **merchantInformation.merchantDescriptor.customerServicePhoneNumber**
- SCMP API Field: **merchant_descriptor_customer_service_phone_number**
- Simple Order API Field: **invoiceHeader_merchantDescriptorCustomerServicePhoneNumber**

merchantInformation. merchantDescriptor.locality

City for your business location.

This value might be displayed on the cardholder's statement, and it must consist of US English characters.



Important

This value might be ignored by your acquiring bank. Contact your acquiring bank for more information about overriding your default merchant descriptor.

If you do not include this value in your PIN debit request, Cybersource uses the merchant city from your account.

For an original credit transaction (OCT), the only supported value is **Visa Direct**. This field is available on the Barclays, FDC Compass, and Visa Platform Connect processors.

Specifications

- Data Type: String
- Data Length
 - Barclays: 35
 - FDC Compass: 13
 - : 13
 - Visa Platform Connect: 13

Mapping Information

- REST API Field: **merchantInformation.merchantDescriptor.locality**

- SCMP API Field: **merchant_descriptor_city**
- Simple Order API Field: **invoiceHeader_merchantDescriptorCity**

merchantInformation. merchantDescriptor.name

Merchant business name.

Specify the value in US English characters. The merchant business name is displayed on the cardholder's statement. If the field contains more than one consecutive space, the extra spaces are removed.

If you use this field with Payer Authentication, the name that is specified in this field overrides the value that is specified by the merchant bank and that appears to the customer in the issuing bank's authentication form.



Important

This value might be ignored by your acquiring bank. For more information about overriding your default merchant descriptor, contact your acquiring bank.

This field is available only on the Barclays, Chase Paymentech Solutions, FDC Compass, FDC Nashville Global, and Visa Platform Connect processors. These processors have specific requirements:

Chase Paymentech Solutions

When using this field for Payouts, use one of these formats:

- <12-character merchant name>*<9-character product description>
- <7-character merchant name>*<14-character product description>
- <3-character merchant name>*<18-character product description>

FDC Compass and Visa Platform Connect

When using this field for Payouts, set it as follows:

- For a credit card bill payment, set the value for this field to the name of the originator providing the credit card bill payment service.
- For a funds disbursement, set the value for this field to the name of the originator sending the funds disbursement.

- For a prepaid load, set the value for this field to the name of the partner providing the reload service.

FDC Nashville Global

If you do not include this field in a PIN Debit request, Cybersource uses the merchant name in your account.

Specifications

- Data Type: String
- Data Length
 - Barclays: 21
 - Chase Paymentech Solutions: 25
 - FDC Compass: 25
 - FDC Nashville Global: 25
 - Visa Platform Connect: 25

Mapping Information

- REST API Field: **merchantInformation.merchantDescriptor.name**
- SCMP API Fields:
 - **merchant_descriptor**
 - **pa_merchant_name**
- Simple Order API Fields:
 - **invoiceHeader_merchantDescriptor**
The **invoiceHeader_merchantDescriptor** field is available only for authorizations on the Barclays processor.
 - **payerAuthEnrollService_merchantName**

merchantInformation.merchantDescriptor.postalCode

Postal code for your business location.

Important

Mastercard requires a postal code for any country that uses postal codes. You can provide the postal code in your Cybersource account or you can include this field in your request.

This value might be displayed on the cardholder's statement.

 **Important**

This value may be ignored by your acquiring bank. Contact your acquiring bank for more information about overriding your default merchant descriptor.

If your business is located in the US, you can use a five-digit or nine-digit postal code. A nine-digit postal code must follow this format: [5 digits][dash][4 digits]

Example: 12345-6789

If your business is located in Canada, use a six-character postal code. A six-character postal code must follow this format: [alpha][numeric][alpha][space][numeric][alpha][numeric]

Example: A1B 2C3

When you do not include this value in a PIN debit request, the merchant postal code from your account is used.

This field is required for a Payouts original credit transaction (OCT) service request that specifies a deferred OCT processing date and time. See the REST **processingInformation.payoutOptions.deferredDateTime** API field.

To support Visa Direct transactions in Original Credit Transactions destined to issuers in Australia or Canada, you must include additional merchant address data in the authorization request:

- Field 43—Card Acceptor Name/Location
- Field 59—National Point-of-Service Geographical Data
- Field 104, Usage 2—Transaction-Specific Data in TLV format, Dataset ID 56—Additional Acceptance Information, Tag 81—Acceptor Legal Business Name

To process Faster Refund Original Credit Transactions (OCTs) in AP and the EU, include these fields in the request:

- Transaction Type
 - Record: Field 3
 - Positions: 1-2
- Transaction Amount
 - Record: Field 4
- Card Acceptor Name or Location
 - Record: Field 43
- Transaction Identifier
 - Record: Field 62.2 (in bitmap format)
- Message Reason Code
 - Record: Field 63.3
- Acceptor Legal Business Name
 - Record: 104, Usage 2—Transaction-Specific Data (in TLV format)
 - Dataset ID: 56
 - Tag: 81

- Business Application Identifier (BAI)
 - Record: 104, Usage 2—Transaction—Specific Data (in TLV format)
 - Dataset ID: 57
 - Tag: 01
- Visa Merchant Identifier
 - Record: 126.5

Specifications

- Data Type: String
- Data Length: 14

Mapping Information

- REST API Field: **merchantInformation.merchantDescriptor.postalCode**
- SCMP API Field: **merchant_descriptor_postal_code**
- Simple Order API Field: **invoiceHeader_merchantDescriptorPostalCode**

merchantInformation. merchantDescriptor.url

Address of your company's website, for example, <http://www.example.com>. This value overrides the value specified by your merchant bank.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **merchantInformation.merchantDescriptor.url**
- SCMP API Field: **pa_merchant_url**
- Simple Order API Field: **payerAuthEnrollService_merchantURL**

merchantInformation. merchantDomainName

URL or reverse domain name for your business.

This field is available only for Mastercard digital secure remote payment (DSRP) transactions on the FDC Compass and Visa Platform Connect processors.

Visa Platform Connect

With Mastercard, the value of this field corresponds to the following data in the TC 33 capture file:

Record: CP12 TCR3

Position: 5–168

Field: Acceptor Street Address

Specifications

- Data Type: String
- Data Length: 127
- Special Symbols Allowed:
 - Forward slash (/)
 - Colon(:)
 - Period (.)

Mapping Information

- REST API Field: **merchantInformation.merchantDomainName**
- SCMP API Field: **merchant_domain_name**
- Simple Order API Field: **merchantDomainName**

merchantInformation. partnerId

Partner ID used for either co-branding agreement or promotional discounts.

Visa Platform Connect

With Mastercard, the value of this field corresponds to the following data in the TC 33 capture file:

Record: CP12 TCR4

Position: 56–63

Field: Acceptor Partner ID Code

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **merchantInformation.partnerId**
- SCMP API Field: **merchant_partneridcode**
- Simple Order API Field: **invoiceHeader_merchantDescriptorPartnerIdCode**

merchantInformation.returnUrl

URL of the web page to which the customer is directed when the transaction is completed.

This URL overrides the return URL that was specified during merchant boarding.

Specifications

- Data Type: String
- Data Length: 256

Mapping Information

- REST API Field: **merchantInformation.returnUrl**
- SCMP API Field: **ap_initiate_return_url**
- Simple Order API Field: **apInitiateService_returnURL**

merchantInformation.salesOrganizationId

Company ID assigned to an independent sales organization.

This field is available only for the Visa Platform Connect, Rede, and Software Express processors.

This field is available only for aggregator transactions. Get the value for this field from the payment card company.

Visa Platform Connect: This field is required in an authorization request message for Discover transactions.

Visa Platform Connect

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR6
- Position: 106-116
- Field: Independent Sales Organization ID

Specifications

- Data Type: String
- Data Length: 11

Mapping Information

- REST API Field: **merchantInformation.salesOrganizationId**
- SCMP API Field: **sales_organization_id**
- Simple Order API Field: **invoiceHeader_salesOrganizationID**

merchantInformation.serviceLocation. countryCode

Code for country where a merchant provides a service. The country is not the merchant location.

Visa Platform Connect

With Mastercard, the value of this field corresponds to the following data in the TC 33 capture file:

Record: CP12 TCR2

Position: 161–163

Field: Service Location Country Code

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **merchantInformation.serviceLocation.countryCode**
- SCMP API Field: **merchant_service_country_code**
- Simple Order API Field: **invoiceHeader_serviceCountryCode**

merchantInformation.serviceLocation. countrySubdivisionCode

Code for state or province where a merchant provides a service. The state or province is not the merchant location.

Visa Platform Connect

With Mastercard, the value of this field corresponds to the following data in the TC 33 capture file:

Record: CP12 TCR2

Position: 158–160

Field: Service Location State/Province Code

Specifications

- Data Type: String
- Data Length: 9

Mapping Information

- REST API Field: **merchantInformation.serviceLocation.countrySubdivisionCode**
- SCMP API Field: **merchant_service_country_subdivision_code**
- Simple Order API Field: **invoiceHeader_serviceCountrySubdivisionCode**

merchantInformation. serviceLocation.Locality

City name where a merchant provides a service that is not the merchant location.

Visa Platform Connect

With Mastercard, the value of this field corresponds to the following data in the TC 33 capture file:

Record: CP12 TCR2

Position: 108–157

Field: Service Location City Name

Specifications

- Data Type: String
- Data Length: 20

Mapping Information

- REST API Field: **merchantInformation.serviceLocation.Locality**
- SCMP API Field: **merchant_service_locality**
- Simple Order API Field: **invoiceHeader_serviceLocality**

merchantInformation. serviceLocation.postalCode

Postal code where a merchant provides a service. The postal code is not the merchant location.

Visa Platform Connect

With Mastercard, the value of this field corresponds to the following data in the TC 33 capture file:
 Record: CP12 TCR4
 Position: 64–72
 Field: Service Location Postal Code

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **merchantInformation.serviceLocation.postalCode**
- SCMP API Field: **merchant_service_postal_code**
- Simple Order API Field: **invoiceHeader_servicePostalCode**

merchantInformation. successUrl

URL the customer is directed to after completing a payment.
 Make a GET request to this URL.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **merchantInformation.successUrl**
- SCMP API Field: **ap_initiate_success_url**
- Simple Order API Field: **apInitiateService_successURL**

merchantInformation. taxId

Merchant tax ID number.

Cielo

This field is available for aggregator authorizations.

Getnet

This field is available for aggregator authorizations. All characters must be numbers.

Rede

This field is available for aggregator authorizations.

Software Express

This field is available for aggregator authorizations.

Visa Platform Connect

This field is available for these types of payments:

- Authorizations with Mastercard. The value for this field corresponds to the following data in the TC 33 capture file:
 - Record: CP12 TCR4
 - Position: 21–55
 - Field: Acceptor Tax ID
- Authorizations with Mastercard in Argentina, Chile, and Paraguay. The value for this field corresponds to the following data in the TC 33 capture file:
 - Record: CP01 TCR8
 - Position: 110–124
 - Field: Merchant Tax ID
- BNDES transactions in Brazil. The value for this field is your Cadastro Nacional da Pessoa Jurídica (CNPJ) number. The value for this field corresponds to the following data in the TC 33 capture file:
 - Record: CP07 TCR6
 - Position: 40–59
 - Field: BNDES Reference Field 1
- Installment payments with Mastercard in Croatia. The value for this field corresponds to the following data in the TC 33 capture file:
 - Record: CP01 TCR5
 - Position: 79–98
 - Field: Mastercard Croatia Domestic Card Acceptor Tax ID

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **merchantInformation.taxId**
- SCMP API Field: **bill_merchant_tax_id**
- Simple Order API Field: **billTo_merchantTaxID**

merchantInformation. transactionLocalDateTime

Local date and time at your physical location.
Include both the date and time in this field or leave it blank.
Format: yyyyMMDDhhmmss

- MM = month
- yyyy = year
- DD = day
- hh = hour
- mm = minutes
- ss = seconds

Card-Present Transactions on the Visa Platform Connect Processor

In Argentina, you must either include this field in the request, or your account must include a time zone:

- When you do not include this field, the value for this field is generated based on the time zone recorded in your account.
- When you do not include this field, and no time zone is recorded in your account, the value for this field is generated based on GMT when the request is received.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9
- Position: 16-21
- Field: Local Date

Specifications

- Data Type: String
- Data Length: 14

Mapping Information

- REST API Field: **merchantInformation.transactionLocalDateTime**
- SCMP API Field: **transaction_local_date_time**
- Simple Order API Fields:
 - **cclIncrementalAuthService_transactionLocalDateTime**
 - **transactionLocalDateTime**

merchantInformation.vatRegistrationNumber

Value-added tax identification number.

This field applies only when you include one or more VAT seller registration numbers in the request. The VAT seller registration number might be required for some Canadian transactions.

This field is available on the Barclays, Chase Paymentech Solutions, Elavon Americas, FDC Compass, GPN, OmniPay Direct, RBS WorldPay Atlanta, TSYS Acquiring Solutions, Visa Platform Connect, and Worldpay VAP processors.

Specifications

- Data Type: String
- Data Length
 - Barclays: 13
 - Chase Paymentech Solutions: 13 (Payouts transactions)
 - Elavon Americas: 20
 - FDC Compass: 13 (Payouts transactions)
 - GPN: 20
 - OmniPay Direct: 21
 - RBS WorldPay Atlanta: 20
 - TSYS Acquiring Solutions: 20
 - Visa Platform Connect: 13 (Payouts transactions), 20 (other transactions)
 - Worldpay VAP: 20

Mapping Information

- REST API Field: **merchantInformation.vatRegistrationNumber**

- SCMP API Fields:
 - **merchant_vat_registration_number**
 - **seller_registration**
- Simple Order API Fields:
 - **invoiceHeader_merchantVATRegistrationNumber**
 - **item_#_sellerRegistration**
 - **taxService_sellerRegistration**

model

Model of the point-of-sale device.

Valid values:

- A60
- A80
- A920
- Aries 6
- Aries 8
- D135
- E355
- E600
- E700
- E800
- E800 lite
- Lane 3000
- Lane 5000
- Link 2500
- M400
- P400
- S80
- S300
- SP30

Specifications

- Data Type: String
- Data Length: Pre-defined values

Mapping Information

- REST API Field: **model**

- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

orderInformation

The following fields provide order information.

orderInformation. amountDetails.amexAdditionalAmounts[N]. amount

Additional amount.

This field is available only on the American Express Direct processor.

Array of fields from **orderInformation.amountDetails.amexAdditionalAmounts[0].amount** to **orderInformation.amountDetails.amexAdditionalAmounts[4].amount**.

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Fields: **orderInformation.amountDetails.amexAdditionalAmounts[0].amount** through **orderInformation.amountDetails.amexAdditionalAmounts[4].amount**
- SCMP API Fields: **additional_amount0** through **additional_amount4**
- Simple Order API Fields: **purchaseTotals_additionalAmount0** through **purchaseTotals_additionalAmount4**

orderInformation. amountDetails.amexAdditionalAmounts[N]. code

Additional amount type.

This field is available only on the American Express Direct processor.

Array of fields from **orderInformation.amountDetails.amexAdditionalAmounts[0].code** to **orderInformation.amountDetails.amexAdditionalAmounts[4].code**.

For the possible values, see [Additional Amount Types](#).

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Fields: **orderInformation.amountDetails.amexAdditionalAmounts[0].code** through **orderInformation.amountDetails.amexAdditionalAmounts[4].code**
- SCMP API Fields: **additional_amount_type0** through **additional_amount_type4**
- Simple Order API Fields: **purchaseTotals_additionalAmountType0** through **purchaseTotals_additionalAmountType4**

orderInformation. amountDetails.anticipatedAmount

The amount that is expected to be charged in the transaction.

Visa Platform Connect

This field is required for zero amount authorizations in order to confirm the amount is available for future authorizations.

Specifications

- Data Type: Numeric
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.amountDetails.anticipatedAmount**
- SCMP API Field: **anticipated_amount**
- Simple Order API Field: **purchaseTotals_anticipatedAmount**

orderInformation. amountDetails.authorizedAmount

Amount of the purchase.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.amountDetails.authorizedAmount**
- SCMP API Fields:
 - **auth_auth_amount**
 - **incremental_auth_amount**
 - **pin_debit_purchase_auth_amount**
- Simple Order API Fields:
 - **ccAuthReply_amount**
 - **ccIncrementalAuthReply_amount**
 - **pinDebitPurchaseReply_amount**

orderInformation. amountDetails.billingAmount

Amount charged during the billing period.

Specifications

- Data Type: String
- Data Length: 19

Mapping Information

- REST API Field: **orderInformation.amountDetails.billingAmount**
- SCMP API Field: No corresponding field.
- Simple Order API Field: No corresponding field.

orderInformation. amountDetails.cashbackAmount

Cashback amount requested by the customer.
The value for this field must be in the acquirer's currency.

Card-Present Credit Card Transactions

This field is available only on the Visa Platform Connect processor in Germany. The value for this field corresponds to this data in the TC 33 capture file:

- Record: CP01 TCR8
- Position: 15-23
- Field: Cashback Amount

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

PIN Debit Transactions

This field is available only on the FDC Nashville Global and Visa Platform Connect processors.

When a cashback amount is included in a request, the cashback amount must be included in the value for the **orderInformation.amountDetails.totalAmount** field.

Specifications

- Data Type: String
- Data Length:
 - Authorization: 9
 - Authorization Reversal: 9

- PIN Debit Purchase: 13

Mapping Information

- REST API Field: **orderInformation.amountDetails.cashbackAmount**
- SCMP API Field: **cashback_amount**
- Simple Order API Field: **cashbackAmount**

orderInformation. amountDetails.currencyConversion. indicator

Enables Dynamic Currency Conversion during an authorization.

Available values:

- **N**: Not enabled (default)
- **Y**: Enabled

Syntax

This syntax is used with this field:

```
{
  "currencyConversion": {
    "indicator": "Y"
  }
}
```

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **orderInformation.amountDetails.currencyConversion.indicator**
- SCMP API Field: **dcc_indicator**
- Simple Order API Field: **dcc_dcclIndicator**

orderInformation. amountDetails.currency

Currency used in the transaction.

Use a three-character ISO currency code. For a list of ISO currency codes, see [ISO Standard Currency Codes](#).

For authorization reversal or capture services, you must use the same currency that was used for the authorization.

For the PIN debit reversal service, you must use the same currency that was used for the PIN debit purchase or PIN debit credit that you are reversing.

When using Dynamic Currency Conversion (DCC) with a Third-Party Provider, use the customer's billing currency.

Visa Platform Connect

For Mastercard installment payments in Peru, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 108-110
- Field: Financing Currency

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Fields:
 - **orderInformation.amountDetails.currency**
 - **creditAmountDetails.currency**
 - **refundAmountDetails.currency**
 - **reversalAmountDetails.currency**
 - **reversalInformation.amountDetails.currency**
- SCMP API Fields:
 - **auth_request_currency**
 - **currency**
 - **pin_debit_purchase_request_currency**
- Simple Order API Fields:
 - **ccAuthReply_requestCurrency**
 - **pinDebitPurchaseReply_requestCurrency**
 - **purchaseTotals_currency**

orderInformation. amountDetails.discountAmount

Total discount applied to the order.

Example: A \$20.00 discount off the order total.

RBS WorldPay Atlanta: The discount amount cannot exceed 999999.99.

Specifications

- Data Type:
 - Chase Paymentech Solutions, FDC Compass, TSYS Acquiring Solutions, FDC Nashville Global, RBS WorldPay Atlanta and Worldpay VAP: String
 - Elavon Americas GPN OmniPay Direct and Visa Platform Connect: Numeric String
- Data Length:
 - Chase Paymentech Solutions, FDC Compass, and TSYS Acquiring Solutions:13
 - FDC Nashville Global: 11
 - RBS WorldPay Atlanta and Worldpay VAP: 8
 - Elavon Americas, GPN, OmniPay Direct, and Visa Platform Connect: 12

Mapping Information

- REST API Field: **orderInformation.amountDetails.discountAmount**
- SCMP API Field: **order_discount_amount**
- Simple Order API Field: **purchaseTotals_discountAmount**

Processor Field Names

Processor-specific field names for each processor supporting this field for Level II or Level III processing:

- Chase Paymentech Solutions: Discount Amount Applied to Order
- Elavon Americas: Discount Amount
- FDC Compass: Discount Amount Applied to Order
- FDC Nashville Global: Discount Amount
- GPN: Discount Amount
- OmniPay Direct: Discount Amount / Total Discount
- RBS WorldPay Atlanta: Discount Amount
- TSYS Acquiring Solutions: Discount Amount
- Visa Platform Connect: discountAmount
- Worldpay VAP: discountAmount

orderInformation. amountDetails.dutyAmount

Total charges for any import or export duties included in the order.

FDC Nashville Global

This value cannot be negative.

FDMS South

This value cannot be negative.

GPN

**The maximum value for this field is:
99,999.99.**

Specifications

- Data Length:
 - Chase Paymentech Solutions, FDC Compass:
 - Mastercard: 10
 - Visa: 13
 - Elavon Americas, GPN, OmniPay Direct, Visa Platform Connect: 12
 - FDC Nashville Global: 11
 - FDMS South: 15
 - RBS WorldPay Atlanta and Worldpay VAP: 8
 - TSYS Acquiring Solutions: 13

Mapping Information

- REST API Field: **orderInformation.amountDetails.dutyAmount**
- SCMP API Field: **duty_amount**
- Simple Order API Field: **purchaseTotals_dutyAmount**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Chase Paymentech Solutions: Duty Amount
- Elavon Americas: Duty Amount
- FDC Compass: Duty Amount
- FDC Nashville Global: Duty Amount
- FDMS South: Does not apply
- GPN: Duty Amount
- OmniPay Direct: Duty Amount
- RBS WorldPay Atlanta: Duty Amount
- TSYS Acquiring Solutions: Duty Amount

- Visa Platform Connect: dutyAmount
- Worldpay VAP: dutyAmount

orderInformation.amountDetails.exchangeRate

Exchange rate returned by the Dynamic Currency Conversion (DCC) service provider. The value for this field includes a decimal point and a maximum of four decimal places.

Specifications

- Data Type: String
- Data Length: 13

Mapping Information

- REST API Field: **orderInformation.amountDetails.exchangeRate**
- SCMP API Field: **exchange_rate**
- Simple Order API Field: **purchaseTotals_exchangeRate**

orderInformation.amountDetails.exchangeRateTimeStamp

The time stamp returned by a Dynamic Currency Conversion provider when a conversion request is made. This value is set to GMT.

Specifications

- Data Type: String
- Data Length: 14
- Data Format: yyyyMMDDhhmmss

Mapping Information

- REST API Field: **orderInformation.amountDetails.exchangeRateTimeStamp**
- SCMP API Field: **exchange_rate_timestamp**
- Simple Order API Field: **purchaseTotals_exchangeRateTimeStamp**

orderInformation. amountDetails.foreignAmount

Converted amount that was returned by the DCC provider.

Specifications

- Data Type: String
- Length: 15

Mapping Information

- REST API Field: **orderInformation.amountDetails.foreignAmount**
- SCMP API Field: **foreign_amount**
- Simple Order API Field: **purchaseTotals_foreignAmount**

orderInformation. amountDetails.foreignCurrency

Customer's billing currency.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **orderInformation.amountDetails.foreignCurrency**
- SCMP API Field: **foreign_currency**
- Simple Order API Field: **purchaseTotals_foreignCurrency**

orderInformation. amountDetails.foreignExchangeFee

Fee the issuer charges when the recipient's currency is not the same as the sender's currency. When this fee is charged, the grand total amount must include the fee.

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **orderInformation.amountDetails.foreignExchangeFee**
- SCMP API Field: **aft_foreign_exchange_fee**
- Simple Order API Field: **aft_foreignExchangeFee**

orderInformation. amountDetails.freightAmount

The total freight or shipping and handling charges for the order.

OmniPay Direct

For Level III transactions with Visa, the field value is set to 0 when this field is not included in the request.

Specifications

- Data Type: String
- Data Length:
 - Chase Paymentech Solutions: 10 (Mastercard), 13 (Visa)
 - FDC Compass: 10 (Mastercard), 13 (Visa)
 - FDC Nashville Global: 13
 - RBS WorldPay Atlanta: 8
 - Worldpay VAP: 8
 - TSYS Acquiring Solutions: 13
 - All other processors: 12

Mapping Information

- REST API Field: **orderInformation.amountDetails.freightAmount**
- SCMP API Field: **freight_amount**
- Simple Order API Field: **purchaseTotals_freightAmount**

Processor Field Names

The following list the processors and the corresponding processor field mapped to this field:

- Chase Paymentech Solutions: Freight Amount

- Elavon Americas: Freight/Shipping Amount
- FDC Compass: Freight Amount
- FDC Nashville Global: Freight Amount
- GPN: Freight Amount
- OmniPay Direct: Freight Amount / Shipping Amount
- RBS WorldPay Atlanta: Freight Amount
- TSYS Acquiring Solutions: Freight Amount
- Visa Platform Connect: freightAmount
- Worldpay VAP: shipping amount

orderInformation. amountDetails.gratuityAmount

Gratuity or tip amount for restaurants when the card is present.

Allowed only when the **orderInformation.amountDetails.gratuityAmount** field value is **restaurant**.

Restaurant data is available only on the Visa Platform Connect processor.

When your customer uses a debit card or prepaid card, and you receive a partial authorization, the payment networks recommend that you do not submit a capture amount that is higher than the authorized amount. When the capture amount exceeds the partial amount that was approved, the issuer has chargeback rights for the excess amount.

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **orderInformation.amountDetails.gratuityAmount**
- SCMP API Field: **gratuity_amount**
- Simple Order API Field: **ccCaptureService_gratuityAmount**

orderInformation. amountDetails.nationalTaxIncluded

Flag that indicates whether a national tax is included in the order total.

Possible values:

- **0**: national tax not included

- **1**: national tax included

This value must be 1 if the sum of all **orderInformation.lineItems[].taxDetails[].amount** values > 0.

If you do not include any **orderInformation.lineItems[].taxDetails[].amount** values in your request, Cybersource does not include in the data it sends to the processor.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **orderInformation.amountDetails.nationalTaxIncluded**
- SCMP API Field: **national_tax_indicator**
- Simple Order API Field: **otherTax_nationalTaxIndicator**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Elavon Americas: National / Alternate Tax Included
- OmniPay Direct: National Tax Included
- TSYS Acquiring Solutions: National Tax Included Flag
- Visa Platform Connect: nationalTaxIncluded

orderInformation. amountDetails.originalAmount

The purchase amount denominated in the local currency, when the **orderInformation.amountDetails.totalAmount** field is denominated in the customer's billing currency.

This field is available only for the Dynamic Currency Conversion service.

This value cannot be negative. You can include a decimal point (.) in this field to denote the currency exponent, but you cannot include any other special characters. If needed, the amount is truncated to the correct number of decimal places.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.amountDetails.originalAmount**
- SCMP API Field: **original_amount**
- Simple Order API Field: **purchaseTotals_originalAmount**

orderInformation. amountDetails.originalCurrency

The local billing currency, when the **orderInformation.amountDetails.totalCurrency** field is set the customer's billing currency.
This field is available only for the Dynamic Currency Conversion service.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **orderInformation.amountDetails.originalCurrency**
- SCMP API Field: **original_currency**
- Simple Order API Field: **purchaseTotals_originalCurrency**

orderInformation. amountDetails.serviceFeeAmount

Fee you are charging for the transaction.
When this fee is charged, the grand total amount must include the fee.

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **orderInformation.amountDetails.serviceFeeAmount**
- SCMP API Field: **aft_service_fee**
- Simple Order API Field: **aft_serviceFee**

orderInformation.amountDetails.settlementAmount

Amount deposited into the recipient's account by the issuer.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.amountDetails.settlementAmount**
- SCMP API Field: **recipient_billing_amount**
- Simple Order API Field: **recipient_billingAmount**

orderInformation.amountDetails.settlementCurrency

Currency used by the issuer to deposit the funds into the recipient's account. See the [ISO Standard Currency Codes](#) reference guide.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **orderInformation.amountDetails.settlementCurrency**
- SCMP API Field: **recipient_billing_currency**
- Simple Order API Field: **recipient_billingCurrency**

orderInformation.amountDetails.setUpFee

The subscription set-up fee charged by the merchant.

Specifications

- Data Type: String
- Data Length: 19

Mapping Information

- REST API Field: **orderInformation.amountDetails.setUpFee**
- SCMP API Field: No corresponding field.
- Simple Order API Field: No corresponding field.

orderInformation. amountDetails.surcharge.amount

Surcharge amount that you are charging the customer for the transaction. This field is available on the FDC Nashville Global, Worldpay VAP, and Visa Platform Connect processors.

The surcharge amount is included in the total transaction amount but is passed in a separate field to the issuer and acquirer for tracking. The issuer can provide information about the surcharge amount to the customer.

Visa Platform Connect

Canada Card-Present Transactions
Merchants in Canada must include surcharge information in authorization requests for card-present transactions. Acquirers that have merchants in Canada must support this surcharge data in the TC 33 capture file:

- Record: CP01 TCR8
- Position: 13
- Field: Surcharge credit/debit indicator

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

PIN Debit Transactions

- Include the surcharge amount in the value for **orderInformation.amountDetails.totalAmount**.

FDC Nashville Global

US Credit Card Transactions

The surcharge amount can be applied to card-present and card-not-present transactions on credit cards in the US. Support includes the surcharge API calls but the specific network rules are out of scope and the merchant may be subject to non-compliance assessments if surcharging is improperly applied.

Prior Approval Required

You must receive prior approval from Fiserv before assessing a surcharge amount. Contact Fiserv to register with the card brands to participate in the surcharge program. You will be required to sign a surcharging contract or addendum with Fiserv.

Worldpay VAP

Prior Notification Required for Worldpay VAP

The surcharge amount field can only be applied to Visa or Mastercard credit card payments. You must notify the card networks and acquirer of your intent to apply surcharges at least 30 days prior to assessing the surcharges. Contact the Worldpay VAP customer service manager to request the surcharge feature. Worldpay VAP must enable a flag to process the surcharge field, otherwise the transaction will fail.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.amountDetails.surcharge.amount**
- SCMP API Field: **surcharge_amount**
- Simple Order API Field: **surchargeAmount**

orderInformation.amountDetails.taxAmount

Total tax amount for all items.

This field is available only on the American Express Direct and Barclays processors.

Specifications

- Data Type: String
- Data Length
 - Canadian dollars (CAD): 7
 - US dollars (USD): 9

Mapping Information

- REST API Field: **orderInformation.amountDetails.taxAmount**
- SCMP API Field: **total_tax_amount**
- Simple Order API Field: **purchaseTotals_taxAmount**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply

orderInformation. amountDetails.taxAppliedAfterDiscount

Flag that indicates how the merchant manages discounts.

This field is available only on the Visa Platform Connect processor.

Possible values:

- **0**: no invoice level discount included
- **1**: tax calculated on the post-discount invoice total
- **2**: tax calculated on the pre-discount invoice total

This field relates to the value in the **orderInformation.amountDetails.discountAmount** field.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **orderInformation.amountDetails.taxAppliedAfterDiscount**
- SCMP API Field: **order_discount_management_indicator**
- Simple Order API Field: **purchaseTotals_discountManagementIndicator**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Visa Platform Connect: discountManagementIndicator

orderInformation. amountDetails.taxAppliedLevel

Indicates how tax is calculated.

This field is available only on the Visa Platform Connect processor.

Possible values:

- 0: Net prices with tax calculated at the line item level.
- 1: Net prices with tax calculated at the invoice level.
- 2: Gross prices with tax provided at the line item level.
- 3: Gross prices with tax provided at the invoice level.
- 4: No tax applied on the invoice for the transaction.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **orderInformation.amountDetails.taxAppliedLevel**
- SCMP API Field: **tax_management_indicator**
- Simple Order API Field: **taxManagementIndicator**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Visa Platform Connect: taxManagementIndicator

orderInformation. amountDetails.taxDetails[]. amount

Amount of national tax or value added tax for countries in which more than one tax is applied to an order.

Provide this value if **orderInformation.lineItems[].taxDetails[].amount** differs from **orderInformation.lineItems[].taxAmount**. If you do not provide this value, Cybersource assumes that **orderInformation.lineItems[].taxDetails[].amount** is equal to **orderInformation.lineItems[].taxAmount**.

RBS WorldPay Atlanta

The value of this field cannot exceed 999999.99.

FDC Nashville Global

The total should not include the local tax amount (field) and national tax (national_tax field) included in the total tax (tax_amount field).

GPN

The maximum amount is 99,999.99.

RBS WorldPay Atlanta

The maximum amount is 99,999.99.

OmniPay Direct

When you include this field in the request, you must also include the **orderInformation.lineItems[].taxAmount** field in the request.

Specifications

- Data Type: String
- Data Length:
 - Chase Paymentech Solutions, FDC Compass, TSYS Acquiring Solutions: 10
 - FDC Nashville Global: 11
 - Elavon Americas, GPN, OmniPay Direct: 12
 - RBS WorldPay Atlanta: 8

Mapping Information

- REST API Fields: **orderInformation.amountDetails.taxDetails[].amount**
- SCMP API Fields:
 - **alternate_tax_amount**
 - **national_tax**
 - **vat_tax_amount**
- Simple Order API Fields:

- **otherTax_alternateTaxAmount**
- **otherTax_nationalTaxAmount**
- **otherTax_vatTaxAmount**

Processor Field Names

This list identifies the processors using this field and the corresponding processor field name:

- Chase Paymentech Solutions: Alternate Tax Amount or VAT/Tax Amount
- Elavon Americas: National/Alternate Tax, Other Tax and VAT / Tax Amount (freight)
- FDC Compass: Alternate Tax Amount and VAT/Tax Amount
- FDC Nashville Global: Other Tax Amount and VAT/Tax Amount
- GPN: National Tax, Other Tax and VAT/Tax Amount (Freight/Shipping)
- OmniPay Direct: National Tax and VAT (Amount)
- RBS WorldPay Atlanta: VAT Tax Amount
- TSYS Acquiring Solutions: National Tax Amount, Alternate Tax Amount and VAT/Tax Amount

orderInformation. amountDetails.taxDetails[]. rate

The Value Added Tax (VAT) or other tax rate used to calculate the tax applied to the order. This field is available only on the Chase Paymentech Solutions, Elavon Americas, FDC Compass, FDC Nashville Global, GPN, Visa Platform Connect, OmniPay Direct, RBS WorldPay Atlanta, TSYS Acquiring Solutions processors.

RBS WorldPay Atlanta and TSYS Acquiring Solutions

The valid range is between 0.01 and 99.99 percent. The rate is entered as a decimal. For example:

- 60%: 0.6000
- 33.33%: 0.3333
- 25.5%: 0.2550

Visa Platform Connect

The valid range is between 0.01 and 99.99 percent. The rate is entered as a percentage. For example:

- 60%: 60.00
- 33.33%: 33.33
- 25.5%: 25.50

Chase Paymentech Solutions, Elavon Americas, FDC Compass, FDC Nashville Global, GPN, and OmniPay Direct

The valid range is between 1 and 99 percent. The rate is entered as a decimal. For example:

- 60%: 0.60
- 33%: 0.33
- 25%: 0.25

Specifications

Chase Paymentech Solutions, Elavon Americas, GPN, Visa Platform Connect, FDC Compass, and OmniPay Direct:

- Data Type: String
- Data Length: 4

FDC Nashville Global:

- Data Type: String
- Data Length: 5

RBS WorldPay Atlanta:

- Data Type: Numeric
- Data Length: 4

TSYS Acquiring Solutions:

- Data Type: String
- Data Length: 6

Mapping Information

- REST API Field: **orderInformation.amountDetails.taxDetails[].rate**
- SCMP API Fields:
 - **other_tax#_rate**
 - **vat_rate**
 - **vat_tax_rate**
- Simple Order API Fields:
 - **item_#_otherTax_#_rate**
 - **item_#_vatRate**
 - **otherTax_vatTaxRate**

Processor Field Names

This list identifies the processor-specific field names for each processor supporting this field for Level II or Level III processing:

- Chase Paymentech Solutions: VAT/Tax Rate

- Elavon Americas: VAT / Tax Rate (Freight)
- FDC Compass: VAT/Tax Rate
- FDC Nashville Global: VAT/Tax Rate
- GPN: VAT/Tax Rate (Freight/Shipping)
- OmniPay Direct: VAT (Rate)
- RBS WorldPay Atlanta: Tax Rate
- TSYS Acquiring Solutions: VAT/Tax Rate
- Visa Platform Connect: vat_tax_rate

orderInformation. amountDetails.taxDetails[]. taxID

Your tax ID number to use for the alternate tax amount.
This field is available only on the Chase Paymentech Solutions and FDC Compass processors.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.amountDetails.taxDetails[].taxID**
- SCMP API Field: **alternate_tax_id**
- Simple Order API Field: **otherTax_alternateTaxID**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Chase Paymentech Solutions: Alternate Tax ID
- FDC Compass: Alternate Tax ID

orderInformation. amountDetails.taxDetails[]. type=green

Tax amount paid to government for green initiative.

Specifications

- Data Type: Integer
- Data Length: 12

Mapping Information

- REST API Field and Value: **orderInformation.amountDetails.taxDetails[].type=green**
- SCMP API Field: No corresponding field
- Simple Order API Field: **otherTax_greenTaxAmount**

orderInformation. amountDetails.taxTypeCode

Contains the tax type code that corresponds to the entry in the **orderInformation.lineItems[].taxAmount** field.

This field is available only for Visa Platform Connect.

Possible values:

- **056**: Sales tax (U.S. Only)
- **TX~**: All taxes (Canada Only) Note: Replace ~ with a space.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **orderInformation.amountDetails.taxTypeCode**
- SCMP API Field: **total_tax_type_code**
- Simple Order API Field: **invoiceHeader_totalTaxTypeCode**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Visa Platform Connect: totalTaxTypeCode

orderInformation. amountDetails.totalAmount

Grand total for the order.

If your request includes line items, do not include this field in your request.

This value cannot be negative. You can include a decimal point (.), but you cannot include any other special characters. The amount is truncated to the correct number of decimal places.



Important

Some processors have specific requirements and limitations, such as maximum amounts and maximum field lengths.

Dynamic Currency Conversions

When this field is used in a request with **Dynamic Currency Conversion**, this field value must be denominated in the customer's billing currency.

Original Credit Transactions (OCT)

The amount must be less than or equal to 50,000 USD. Amount limits differ depending on limitations imposed by your acquirer in addition to local laws and regulations. For more information, contact your acquirer.

PIN Debit Transactions

If the transaction includes a cashback amount, that amount must be included in this total amount. If the transaction includes a surcharge amount, that amount must be included in this total amount.

Zero Amount Authorizations

If your processor supports zero amount authorizations, you can set this field to 0 for the authorization to verify whether the card is lost or stolen.

Specifications

- Data Type: String
- Data Length
 - Comercio Latino: 19
 - Other Processors: 15 (for e-check transactions), 17 (for all other transactions)

Mapping Information

- REST API Field: **orderInformation.amountDetails.totalAmount**
- SCMP API Fields:
 - **auth_request_amount**
 - **bill_bill_amount**
 - **ecp_credit_total_amount**
 - **ecp_debit_total_amount**
 - **oct_amount**
 - **pin_debit_purchase_request_amount**
 - **tax_total_grand**
- Simple Order API Fields:
 - **ccAuthReply_requestAmount**
 - **ccCaptureReply_amount**
 - **ecCreditReply_amount**
 - **ecDebitReply_amount**
 - **octReply_amount**
 - **pinDebitPurchaseReply_requestAmount**
 - **purchaseTotals_grandTotalAmount**
 - **taxReply_grandTotalAmount**

On Barclays and Comercio Latino, only the **purchaseTotals_grandTotalAmount** field is supported for authorizations.

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data.

- Barclays: Line Item Total
- Chase Paymentech Solutions: Does not apply
- FDC Compass: Does not apply
- FDC Nashville Global: Does not apply
- OmniPay Direct: Line Item Total
- RBS WorldPay Atlanta: Amount
- TSYS Acquiring Solutions: Does not apply

orderInformation.billTo.address1

First line of the billing street address as it appears in the payment card issuer records.



This field is optional if your account is configured for relaxed requirements for address data. For details about relaxed requirements, see the support article [Relaxed Requirements for Address Data and Expiration Date in Credit Card Transactions](#).

FDMS Nashville

When the street name is numeric, it must be sent in numeric format. For example, if the address is One First Street, it must be sent as 11st Street.

Visa Platform Connect

When you populate billing street address 1 and billing street address 2, exceeds 40 characters, Visa Platform Connect truncates the value at 40 characters before sending it to Visa and the issuing bank. Truncating this value affects AVS results and therefore might also affect risk decisions and charge backs. Credit card networks cannot process transactions that contain non-ASCII characters. Visa Platform Connect accepts and stores non-ASCII characters correctly and displays them correctly in reports. However, the limitation of the payment card networks prevents Visa Platform Connect from transmitting non-ASCII characters to the payment card networks. Therefore, Visa Platform Connect replaces non-ASCII characters with meaningless ASCII characters for transmission to the payment card networks.

Specifications

- Data Type: String
- Data Length:
 - Chase Paymentech Solutions: 20
 - : 40
 - Moneris: 50
 - Worldpay VAP: 35
 - Visa Platform Connect: 40
 - All other processors: 60

Mapping Information

- REST API Field: **orderInformation.billTo.address1**

- SCMP API Field: **bill_address1**
- Simple Order API Field: **billTo_street1**

orderInformation.billTo.address2

Second line of the billing street address as it appears in the payment card issuer records. Chase Paymentech Solutions, FDC Compass, and TSYS Acquiring Solutions
This value is used for AVS.

FDMS Nashville

The billing address 1 and billing address 2 fields together cannot exceed 20 characters.

Visa Platform Connect

When you populate billing street address 1 and billing street address 2, exceeds 40 characters, Visa Platform Connect truncates the value at 40 characters before sending it to Visa and the issuing bank. Truncating this value affects AVS results and therefore might also affect risk decisions and charge backs. Credit card networks cannot process transactions that contain non-ASCII characters. Visa Platform Connect accepts and stores non-ASCII characters correctly and displays them correctly in reports. However, the limitation of the payment card networks prevents Visa Platform Connect from transmitting non-ASCII characters to the payment card networks. Therefore, Visa Platform Connect replaces non-ASCII characters with meaningless ASCII characters for transmission to the payment card networks.

Specifications

- Data Type: String
- Data Length:
 - Chase Paymentech Solutions: 20
 - : 40
 - Moneris: 50
 - Worldpay VAP: 35
 - Visa Platform Connect: 40
 - All other processors: 60

Mapping Information

- REST API Field: **orderInformation.billTo.address2**
- SCMP API Field: **bill_address2**
- Simple Order API Field: **billTo_street2**

orderInformation. billTo.address3

Third line of the billing street address as it appears in the payment card issuer records.

Specifications

- Data Type: String
- Data Length: 50

Mapping Information

- REST API Field: **orderInformation.billTo.address3**
- SCMP API Field: **bill_address3**
- Simple Order API Field: **billTo_street3**

orderInformation. billTo.address4

Fourth line of the billing street address as it appears in the payment card issuer records.

Specifications

- Data Type: String
- Data Length: 60

Mapping Information

- REST API Field: **orderInformation.billTo.address4**
- SCMP API Field: **bill_address4**
- Simple Order API Field: **billTo_street4**

orderInformation. billTo.administrativeArea

State or province in the billing address.

For the US, Canada, and Mainland China, use the ISO 3166-2 format for two-character state, province, or territory codes.

For the US and Canada, see [State, Province, and Territory Codes for the United States and Canada](#).

For all countries, use the ISO 3166-2 format when using this field for Payer Authentication.



Important

This field is optional if your account is configured for relaxed requirements for address data. For details about relaxed requirements, see the support article [Relaxed Requirements for Address Data and Expiration Date in Credit Card Transactions](#).

Visa Platform Connect

Credit card networks cannot process transactions that contain non-ASCII characters. Visa Platform Connect accepts and stores non-ASCII characters correctly and displays them correctly in reports. However, the limitations of the payment card networks prevent Visa Platform Connect from transmitting non-ASCII characters to the payment card networks. Therefore, Visa Platform Connect replaces non-ASCII characters with meaningless ASCII characters for transmission to the payment card networks.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.billTo.administrativeArea**
- SCMP API Field: **bill_state**
- Simple Order API Field: **billTo_state**

orderInformation.billTo. alternateEmailAddress

Customer's alternate email address.

This field is available only for the Visa Platform Connect processor.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **orderInformation.billTo.alternateEmailAddress**

- SCMP API Field: **customer_alternate_email**
- Simple Order API Field: **billTo_alternateEmailAddress**

orderInformation. billTo.alternateEmailVerificationStatus

Verification results for customer's alternate email address.

If the field is not present in the authorization response, verification was not performed or data is unavailable.

This field is available only for the Visa Platform Connect processor.

Possible values:

- **VERIFIED**: Customer verified.
- **UNVERIFIED**: Customer not verified.
- **FAILED**: Customer verification failed.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **orderInformation.billTo.alternateEmailVerificationStatus**
- SCMP API Field: **customer_other_email_result**
- Simple Order API Field: **customer_emailResult**

orderInformation. billTo. alternatePhoneNumber

Customer's alternate phone number.

This field is available only for the Visa Platform Connect processor.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.billTo.alternatePhoneNumber**

- SCMP API Field: **customer_alternate_phone_number**
- Simple Order API Field: **billTo_alternatePhoneNumber**

orderInformation.

billTo.alternatePhoneNumberVerificationStatus

Verification results for customer's alternate phone number.

If the field is not present in the authorization response, verification was not performed or data is unavailable.

This field is available only for the Visa Platform Connect processor.

Possible values:

- **VERIFIED**: Customer verified.
- **UNVERIFIED**: Customer not verified.
- **FAILED**: Customer verification failed.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **orderInformation.billTo.alternatePhoneNumberVerificationStatus**
- SCMP API Field: **customer_other_phone_result**
- Simple Order API Field: **customer_phoneResult**

orderInformation. billTo.buildingNumber

Building number in the street address.

For example, for the street address Rua da Quitanda 187, set this field to the building number **187**.

This field is available only for these processors: Cielo, Comercio Latino, , Cybersource Latin American Processing, and Visa Platform Connect.

These processors have specific requirements:

Comercio Latino

If a building number is not sent, Comercio Latino rejects the payment request. If the building number is not available, enter the number **0**.

Cybersource Latin American Processing

Cybersource Latin American Processing is the name of a specific processing

connection. Cybersource Latin American Processing does not refer to the general topic of processing in Latin America. The information in this field description, or in this section of the field description, is for the specific processing connection called Cybersource Latin American Processing. It is not for any other Latin American processors.

Specifications

- Data Type: String
- Data Length: 256

Mapping Information

- REST API Field: **orderInformation.billTo.buildingNumber**
- SCMP API Field: **bill_building_number**
- Simple Order API Field: **billTo_buildingNumber**

orderInformation.billTo.company.address1

First line in the street address of the company purchasing the product. This field is available only for the American Express Direct processor.

Specifications

- Data Type: String
- Data Length: 40

Mapping Information

- REST API Field: **orderInformation.billTo.company.address1**
- SCMP API Field: **company_address1**
- Simple Order API Field: **billTo_companyStreet1**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply

orderInformation.billTo.company.address2

Additional address information for the company purchasing the product.

Example: Attention: Accounts Payable

This field is available only for the American Express Direct processor.

Specifications

- Data Type: String
- Data Length: 40

Mapping Information

- REST API Field: **orderInformation.billTo.company.address2**
- SCMP API Field: **company_address2**
- Simple Order API Field: **billTo_companyStreet2**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply

orderInformation.billTo.company.city

City in the address of the company purchasing the product.

This field is available only for the American Express Direct processor.

Specifications

- Data Type: String
- Data Length: 30

Mapping Information

- REST API Field: **orderInformation.billTo.company.city**
- SCMP API Field: **company_city**
- Simple Order API Field: **billTo_companyCity**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply

orderInformation. billTo.company.country

Two-digit ISO standard code for the country in the address of the company purchasing the product.

For more information on ISO standard country codes, see [ISO Standard Country Codes](#). This field is available only for the American Express Direct processor.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.billTo.company.country**
- SCMP API Field: **company_country**
- Simple Order API Field: **billTo_companyCountry**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply

orderInformation. billTo.company.name

Name of the customer's company.

This field is available only for these processors: American Express Direct, Moneris, and Visa Platform Connect.

This processor has specific requirements:

Visa Platform Connect

Credit card networks cannot process transactions that contain non-ASCII characters. Visa Platform Connect accepts and stores non-ASCII characters correctly and displays them correctly in reports. However, the limitations of the payment card networks prevent Visa Platform Connect from transmitting non-ASCII characters to the payment card networks. Therefore, Visa Platform Connect replaces non-ASCII characters with meaningless

ASCII characters for transmission to the payment card networks.

Specifications

- Data Type: String
- Data Length:
 - Moneris: 50
 - Visa Platform Connect: 60
 - All other processors: 40

Mapping Information

- REST API Field: **orderInformation.billTo.company.name**
- SCMP API Field: **company_name**
- Simple Order API Field: **billTo_companyName**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data.

- American Express Direct: Does not apply

orderInformation.billTo. company.phoneNumber

This field value is the business phone number.
Use digits 0 through 9 only. The first digit cannot be 0. For example, 5552223333.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **orderInformation.billTo.company.phoneNumber**
- SCMP API Field: **company_phone**
- Simple Order API Field: **billTo_companyPhoneNumber**

orderInformation.billTo.company.postalCode

Postal code in the address of the company purchasing the product.

For U.S. transactions, the postal code must consist of the 5 digit or 9 digit format:

- 5-digit ZIP format: 12345
- 9-digit ZIP+ format: 12345-6789

For Canadian transactions, the postal code must use the 6-digit postal code format:

- 6-digit format: A1B 2C3

This field is available only for the American Express Direct processor.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **orderInformation.billTo.company.postalCode**
- SCMP API Field: **company_zip**
- Simple Order API Field: **billTo_companyPostalCode**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply

orderInformation.billTo.company.state

State or province in the address of the company purchasing the product.

For US and Canadian transactions, use the standard two-digit state/province codes.

For more information, see [State, Province, and Territory Codes for the United States and Canada](#).

This field is available only for the American Express Direct processor.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.billTo.company.state**
- SCMP API Field: **company_state**
- Simple Order API Field: **billTo_companyState**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply

orderInformation.billTo.country

Country in the billing address.

Use two-character ISO Standard Country Codes. See [ISO Standard Country Codes](#).



Important

This field is optional if your account is configured for relaxed requirements for address data. For details about relaxed requirements, see the support article [Relaxed Requirements for Address Data and Expiration Date in Credit Card Transactions](#).

Tax Calculation Service

- U.S and Canadian Tax: Required
- International Tax and Value-Added Tax (VAT): Required

Visa Platform Connect

Credit card networks cannot process transactions that contain non-ASCII characters. Visa Platform Connect accepts and stores non-ASCII characters correctly and displays them correctly in reports. However, the limitations of the payment card networks prevent Visa Platform Connect from transmitting non-ASCII characters to the payment card networks. Therefore, Visa Platform Connect replaces non-ASCII characters with meaningless ASCII characters for transmission to the payment card networks.

Specifications

- Data Type: String

- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.billTo.country**
- SCMP API Field: **bill_country**
- Simple Order API Field: **billTo_country**

orderInformation. billTo.district

Customer's neighborhood, community, or region (a bairro in Brazil) within the city or municipality.

Comercio Latino

If the district information is not available, specify the text string **district**.

Specifications

- Data Type: String
- Data Length: 50

Mapping Information

- REST API Field: **orderInformation.billTo.district**
- SCMP API Field: **bill_district**
- Simple Order API Field: **billTo_district**

orderInformation. billTo.email

Customer's email address, including full domain name.
Format: name@host.domain



Important

This field is optional if your account is configured for relaxed requirements for address data. For details about relaxed requirements, see the support article [Relaxed Requirements for Address Data and Expiration Date in Credit Card Transactions](#).

Visa Platform Connect

Credit card networks cannot process transactions that contain non-ASCII characters. Visa Platform Connect accepts and stores non-ASCII characters correctly

and displays them correctly in reports. However, the limitations of the payment card networks prevent Visa Platform Connect from transmitting non-ASCII characters to the payment card networks. Therefore, Visa Platform Connect replaces non-ASCII characters with meaningless ASCII characters for transmission to the payment card networks.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **orderInformation.billTo.email**
- SCMP API Field: **customer_email**
- Simple Order API Field: **billTo_email**

orderInformation.billTo.firstName

Customer name.

Value should match value on card.

Important

This field is optional if your account is configured for relaxed requirements for address data. For details about relaxed requirements, see the support article [Relaxed Requirements for Address Data and Expiration Date in Credit Card Transactions](#).

Cybersource Latin American Processing

For an authorization request, Cybersource Latin American Processing concatenates **orderInformation.billTo.firstName** and **orderInformation.billTo.lastName**. If the concatenated value exceeds 30 characters, Cybersource Latin American Processing declines the authorization request. Cybersource Latin American Processing is the name of a specific processing connection. Cybersource Latin American Processing does not refer to the general topic of processing in Latin America. The

information in this field description, or in this section of the field description, is for the specific processing connection called Cybersource Latin American Processing. It is not for any other Latin American processors.

Visa Platform Connect

Credit card networks cannot process transactions that contain non-ASCII characters. Visa Platform Connect accepts and stores non-ASCII characters correctly and displays them correctly in reports. However, the limitations of the payment card networks prevent Visa Platform Connect from transmitting non-ASCII characters to the payment card networks. Therefore, Visa Platform Connect replaces non-ASCII characters with meaningless ASCII characters for transmission to the payment card networks.

Specifications

- Data Type: String
- Data Length: 60
- Data Length:
 - Cybersource Latin American Processing: See field description.
 - Worldpay VAP: 25
 - All other processors: 60

Mapping Information

- REST API Field: **orderInformation.billTo.firstName**
- SCMP API Field: **customer_firstname**
- Simple Order API Field: **billTo_firstName**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data.

- American Express Direct: Does not apply

orderInformation.billTo.lastName

Last name of the person requesting the product.

This person may or may not be the cardholder.



Important

This field is optional if your account is configured for relaxed requirements for address data. For details about relaxed requirements, see the support article [Relaxed Requirements for Address Data and Expiration Date in Credit Card Transactions](#).

American Express Direct

Combined, this field and should not exceed 40 characters.

Cybersource Latin American Processing

For an authorization request, Cybersource Latin American Processing concatenates **orderInformation.billTo.firstName** and **customer_lastname** **orderInformation.billTo.lastName**. If the concatenated value exceeds 30 characters, Cybersource Latin American Processing declines the authorization request. Cybersource Latin American Processing is the name of a specific processing connection. Cybersource Latin American Processing does not refer to the general topic of processing in Latin America. The information in this field description, or in this section of the field description, is for the specific processing connection called Cybersource Latin American Processing. It is not for any other Latin American processors.

Specifications

- Data Type: String
- Data Length: 60
- Data Length:
 - Cybersource Latin American Processing: See field description.
 - Worldpay VAP: 25
 - All other processors: 60

Mapping Information

- REST API Field: **orderInformation.billTo.lastName**
- SCMP API Field: **customer_lastname**
- Simple Order API Field: **billTo_lastName**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data.

- American Express Direct: Does not apply

orderInformation.billTo.locality

City in the billing address.



Important

This field is optional if your account is configured for relaxed requirements for address data. For details about relaxed requirements, see the support article [Relaxed Requirements for Address Data and Expiration Date in Credit Card Transactions](#).

Visa Platform Connect

Credit card networks cannot process transactions that contain non-ASCII characters. Visa Platform Connect accepts and stores non-ASCII characters correctly and displays them correctly in reports. However, the limitations of the payment card networks prevent Visa Platform Connect from transmitting non-ASCII characters to the payment card networks. Therefore, Visa Platform Connect replaces non-ASCII characters with meaningless ASCII characters for transmission to the payment card networks.

Specifications

- Data Type: String
- Data Length: 50

Mapping Information

- REST API Field: **orderInformation.billTo.locality**
- SCMP API Field: **bill_city**
- Simple Order API Field: **billTo_city**

orderInformation.billTo.middleName

Customer's middle name.

Specifications

- Data Type: String
- Data Length: 40

Mapping Information

- REST API Field: **orderInformation.billTo.middleName**
- SCMP API Field: **customer_middlename**
- Simple Order API Field: **billTo_middleName**

orderInformation.billTo.namePrefix

Name prefix.
For example, Dr.

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **orderInformation.billTo.namePrefix**
- SCMP API Field: **customer_prefix**
- Simple Order API Field: **billTo_prefix**

orderInformation.billTo.nameSuffix

Name suffix.
For example, Jr.

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **orderInformation.billTo.nameSuffix**
- SCMP API Field: **customer_suffix**
- Simple Order API Field: **billTo_suffix**

orderInformation.billTo.phoneNumber

Customer's phone number.

Include the country code when the order is from outside the US.

Visa Platform Connect

Credit card networks cannot process transactions that contain non-ASCII characters. Visa Platform Connect accepts and stores non-ASCII characters correctly and displays them correctly in reports. However, the limitations of the payment card networks prevent Visa Platform Connect from transmitting non-ASCII characters to the payment card networks. Therefore, Visa Platform Connect replaces non-ASCII characters with meaningless ASCII characters for transmission to the payment card networks.

For installment payments with Mastercard in Brazil, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP07 TCR4
- Position: 40-50
- Field: Buyer Phone Number

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length:

- Visa Platform Connect: 11 (Installment Payments with Mastercard in Brazil), 15 (All other payment types)
- All other processors: 15

Mapping Information

- REST API Field: **orderInformation.billTo.phoneNumber**
- SCMP API Field: **customer_phone**
- Simple Order API Field: **billTo_phoneNumber**

orderInformation.billTo.postalCode

Postal code in the billing address.

The postal code must consist of five to nine digits.

When the billing country is the US, the nine-digit postal code must follow this format: [5 digits][dash][4 digits].

Example: 12345-6789

When the billing country is Canada, the six-digit postal code must follow this format:

[alpha][numeric][alpha][space][numeric][alpha][numeric]

Example: A1B 2C3



Important

This field is optional if your account is configured for relaxed requirements for address data. For details about relaxed requirements, see the support article [Relaxed Requirements for Address Data and Expiration Date in Credit Card Transactions](#).

American Express Direct

Before the postal code is sent to the processor, all non-alphanumeric characters are removed, and if the remaining value is longer than nine characters, the value is truncated starting from the right side.

Visa Platform Connect

Credit card networks cannot process transactions that contain non-ASCII characters. Visa Platform Connect accepts and stores non-ASCII characters correctly and displays them correctly in reports. However, the limitations of the payment card networks prevent Visa Platform Connect from transmitting non-ASCII characters to the payment card networks. Therefore, Visa Platform Connect replaces non-ASCII characters with meaningless

ASCII characters for transmission to the payment card networks.

Specifications

- Data Type: String
- Data Length: 10
- Data Length:
 - Comercio Latino: 9
 - Visa Platform Connect: 9
 - All other processors: 10

Mapping Information

- REST API Field: **orderInformation.billTo.postalCode**
- SCMP API Field: **bill_zip**
- Simple Order API Field: **billTo_postalCode**

orderInformation.exemptAmount

Total amount of exempt amounts.

This value is the sum of the values for all the **orderInformation.lineItems[].exemptAmount** fields.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.exemptAmount**
- SCMP API Field: **tax_total_exempt_amount**
- Simple Order API Field: **taxReply_totalExemptAmount**

orderInformation. invoiceDetails.commodityCode

International description code of the overall order's goods or services. Contact your acquirer or processor for a list of codes.

This field is available only for the American Express Direct, Chase Paymentech Solutions, Elavon Americas, FDC Compass, FDC Nashville Global, FDMS South, GPN, Visa Platform Connect, OmniPay Direct, TSYS Acquiring Solutions, and Worldpay VAP processors.

Elavon Americas

Used to categorize purchases for VAT reporting.

FDMS South

This field might be required for Level III processing depending on your merchant category code. Check with your processor for more information.

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **orderInformation.invoiceDetails.commodityCode**
- SCMP API Field: **summary_commodity_code**
- Simple Order API Field: **invoiceHeader_summaryCommodityCode**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Elavon Americas: Purchase Identifier
- FDMS South: Does not apply
- GPN: Summary Commodity Code and Commodity Code
- OmniPay Direct: Summary Commodity Code
- RBS WorldPay Atlanta: Commodity Code
- TSYS Acquiring Solutions: Does not apply
- Visa Platform Connect: summaryCommodityCode

orderInformation.invoiceDetails.costCenter

Cost center for the goods being sold.

This field is available only on the Barclays processor.

Specifications

- Data Type: String
- Data Length: 25

Mapping Information

- REST API Field: **orderInformation.invoiceDetails.costCenter**
- SCMP API Field: **cost_center**
- Simple Order API Field: **invoiceHeader_costCenter**

orderInformation.invoiceDetails.invoiceDate

Date of the tax calculation in Pacific Time.

If you do not include this field in the request, the tax calculation date is set to the current date.

- You can provide a date in the past when you are calculating tax for a refund and want to know what the tax was on the date the order was placed.
- You can provide a date in the future when you are calculating the tax for a future date, such as an upcoming tax holiday.



Important

Adjust this value when you are in a different time zone and want the tax calculated with the rates that apply on a specific date.

Barclays

Format: yyyyMMddHHmmss

Other processors

Format: yyyyMMdd

Specifications

- Data Type: String
- Data Type: String
- Data Length
 - Barclays: 14
 - Other processors: 8

Mapping Information

- REST API Field: **orderInformation.invoiceDetails.invoiceDate**
- SCMP API Field: **invoice_date**
- Simple Order API Field: **invoiceHeader_invoiceDate**

orderInformation.invoiceDetails. merchandiseCode

Identifier for the merchandise.

This field is available only on the American Express Direct, JCN Gateway, and Visa Platform Connect processors.

American Express Direct

The value is **1000**: gift card.

JCN Gateway

This value must be right justified. In Japan, this value is called a *goods code*.

Visa Platform Connect

This value must be right justified. In Japan, this value is called a *goods code*.

Specifications

- Data Type: Integer
- Data Length: 7

Mapping Information

- REST API Field: **orderInformation.invoiceDetails.merchandiseCode**
- SCMP API Field: **merchandise_code**
- Simple Order API Field: **merchandiseCode**

orderInformation.invoiceDetails. purchaseContactName

The name of the individual or the company contacted for company authorized purchases. This field is available only on the Visa Platform Connect processor.

Specifications

- Data Type: String
- Data Length: 36

Mapping Information

- REST API Field: **orderInformation.invoiceDetails.purchaseContactName**
- SCMP API Field: **authorized_contact_name**
- Simple Order API Field: **invoiceHeader_authorizedContactName**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Visa Platform Connect: authorizedContactName

orderInformation. invoiceDetails.purchaseOrderDate

Date the order was processed.

This field is available only on the Barclays, Chase Paymentech Solutions, Elavon Americas, FDC Compass, FDC Nashville Global, GPN, OmniPay Direct, RBS WorldPay Atlanta, TSYS Acquiring Solutions, Visa Platform Connect, and Worldpay VAP processors.

Barclays

Format: yyyyMMdd

Worldpay VAP

Format: yyyy-MM-DD

Other processors

Format: YYMMDD

Specifications

- Data Type: String
- Data Length
 - Barclays: 8
 - Worldpay VAP: 10
 - Other processors: 6

Mapping Information

- REST API Field: **orderInformation.invoiceDetails.purchaseOrderDate**
- SCMP API Field: **purchaser_order_date**
- Simple Order API Field: **invoiceHeader_purchaserOrderDate**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Elavon Americas: Order Date
- GPN: Order Date
- OmniPay Direct: Order Date
- RBS WorldPay Atlanta: Order Date
- TSYS Acquiring Solutions: Order Date
- Visa Platform Connect: purchaserOrderDate

- Worldpay VAP: orderDate

orderInformation. invoiceDetails.purchaseOrderNumber

Value used by your customer to identify the order.

This value is typically a purchase order number.

Cybersource recommends that you do not populate the field with all zeros or nines.

This field is available only on the Barclays, Chase Paymentech Solutions, Elavon Americas, FDC Compass, FDC Nashville Global, GPN, OmniPay Direct, RBS WorldPay Atlanta, TSYS Acquiring Solutions, Visa Platform Connect, and Worldpay VAP processors.

FDC Nashville Global

Only alphanumeric characters are accepted on FDC Nashville Global. Do not include hyphens or other non-alphanumeric characters. You must provide a value in this field or in the clientReferenceInformation.code field.

Specifications

- Data Type: String
- Data Length
 - American Express Direct: 17
 - Barclays: 25
 - Chase Paymentech Solutions: 25
 - Elavon Americas: 17
 - FDC Compass: 25
 - FDC Nashville Global: 25
 - GPN: 17 for Mastercard, 25 for Visa
 - OmniPay Direct: 17 for Mastercard, 25 for Visa
 - FDMS Nashville: 25
 - FDMS South: 25
 - RBS WorldPay Atlanta: 25
 - Visa Platform Connect: 17
 - TSYS Acquiring Solutions: 25
 - Worldpay VAP: 17

Mapping Information

- REST API Field: **orderInformation.invoiceDetails.purchaseOrderNumber**
- SCMP API Field: **user_po**

- Simple Order API Field: **invoiceHeader_userPO**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: does not apply
- Chase Paymentech Solutions: Customer Reference Number
- Elavon Americas: Purchase Identifier
- FDC Compass: Customer Reference Number
- FDC Nashville Global: Customer Code
- FDMS Nashville: does not apply
- FDMS South: does not apply
- GPN: Market Data - Customer Code and Reference Number
- OmniPay Direct: Customer Code / Customer Reference ID
- RBS WorldPay Atlanta: PC2 Customer ID
- TSYS Acquiring Solutions: does not apply
- Visa Platform Connect: customerCode
- Worldpay VAP: customerReference

orderInformation.invoiceDetails.referenceDataCode

Code that identifies the value of the **orderInformation.invoiceDetails.referenceDataNumber** field.

This field is available only for the American Express Direct processor.

This field is a pass-through, which means that this value is not verified or modified in any way before it is sent to the processor.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **orderInformation.invoiceDetails.referenceDataCode**
- SCMP API Field: **reference_data_code**
- Simple Order API Field: **invoiceHeader_referenceDataCode**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply

orderInformation. invoiceDetails.referenceDataNumber

Reference number associated with the **orderInformation.invoiceDetails.referenceDataCode** field.

This field is available only on the American Express Direct and Barclays processors. The meaning of this reference number is defined by the **orderInformation.invoiceDetails.referenceDataCode** field.



Important

This field is a pass-through. The value in this field is not verified or modified in any way before it is sent to the processor.

Specifications

- Data Type: String
- Data Length: 30

Mapping Information

- REST API Field: **orderInformation.invoiceDetails.referenceDataNumber**
- SCMP API Field: **reference_data_number**
- Simple Order API Field: **invoiceHeader_referenceDataNumber**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply

orderInformation. invoiceDetails.supplierOrderReference

Text description of the item.

This field is available on the Barclays, FDC Nashville Global, and OmniPay Direct processors.

FDC Nashville Global

Due to the limited functionality of this field, you should use the `orderInformation.lineItems[].productName` field instead.



Important

Include only one of these fields in a request. Including both fields may result in an error.

Specifications

- Data Type: String
- Data Length
 - Barclays: 25
 - FDC Nashville Global: 25
 - OmniPay Direct: 17 for Mastercard payment cards, 25 for Visa payment cards

Mapping Information

- REST API Field: **`orderInformation.invoiceDetails.supplierOrderReference`**
- SCMP API Field: **`supplier_order_reference`**
- Simple Order API Field: **`invoiceHeader_supplierOrderReference`**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- FDC Nashville Global: Item Description Part A
- OmniPay Direct: Purchase Identifier / Merchant-Related Data / Merchant Reference Number

orderInformation.invoiceDetails.taxable

Flag that indicates whether an order is taxable.

This field is available only for FDMS Nashville, FDMS South, Visa Platform Connect, and RBS WorldPay Atlanta.

Possible values:

- `true`: Order is taxable

- **false**: Order is not taxable

OmniPay Direct

This field is a flag that indicates whether tax is included in the total purchase amount.
Possible values:

- **true**: Tax is included
- **false**: Tax is not included

RBS WorldPay Atlanta

This field is required for Level II Mastercard and Visa transactions. If **orderInformation.lineItems[].taxAmount = 0**, set this field to **false**. If **orderInformation.lineItems[].taxAmount > 0**, set this field to **true**.

Visa Platform Connect

This value must be **Y** if the the **orderInformation.lineItems[].taxAmount** value > 0.

If you do not include any **orderInformation.lineItems[].taxAmount** values in your request, the **orderInformation.invoiceDetails.taxable** field value is not included in the request.

Worldpay VAP

This field is required if **orderInformation.lineItems[].taxAmount = 0**. This field is optional if **orderInformation.lineItems[].taxAmount > 0**.

Specifications

- Data Type: Boolean
- Data Length: 1

Mapping Information

- REST API Field: **orderInformation.invoiceDetails.taxable**
- SCMP API Field: **tax_indicator**
- Simple Order API Field: **invoiceHeader_taxable**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- FDMS Nashville: Does not apply
- FDMS South: Does not apply

- OmniPay Direct: Detail Tax Amount Indicator
- RBS WorldPay Atlanta: Tax Exempt
- Visa Platform Connect: localTaxIncluded
- Worldpay VAP: taxExempt

orderInformation.invoiceDetails.transactionAdviceAddendum[].data

Transaction Advice Addendum (TAA).

This field provides a description to display on the customer's American Express card statement. It is frequently used for Level II transactions. Before using this field, contact customer support to have your account enabled for this feature.

This field is available only for the American Express Direct, Chase Paymentech Solutions, FDC Compass, Visa Platform Connect, and Worldpay VAP processors.

Specifications

- Data Type: String
- Data Length:
 - Worldpay VAP: 26
 - All other processors: 40

Mapping Information

- REST API Field: **orderInformation.invoiceDetails.transactionAdviceAddendum[].data**
- SCMP API Fields:
 - **amexdata_taa1**
 - **amexdata_taa2**
 - **amexdata_taa3**
 - **amexdata_taa4**
- Simple Order API Fields:
 - **invoiceHeader_amexDataTAA1**
 - **invoiceHeader_amexDataTAA2**
 - **invoiceHeader_amexDataTAA3**
 - **invoiceHeader_amexDataTAA4**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply

- Chase Paymentech Solutions:
 - TAA1
 - TAA2
 - TAA3
 - TAA4
- FDC Compass:
 - TAA1
 - TAA2
 - TAA3
 - TAA4
- Visa Platform Connect:
 - amexDataTAA1
 - amexDataTAA2
 - amexDataTAA3
 - amexDataTAA4
- Worldpay VAP: itemDescription

orderInformation.invoiceDetails.vatInvoiceReferenceNumber

VAT invoice number associated with the transaction.

This field is available only on the Elavon Americas, FDC Nashville Global, Visa Platform Connect, RBS WorldPay Atlanta, TSYS Acquiring Solutions, and Worldpay VAP processors.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.invoiceDetails.vatInvoiceReferenceNumber**
- SCMP API Field: **vat_invoice_ref_number**
- Simple Order API Field: **invoiceHeader_vatInvoiceReferenceNumber**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Elavon Americas: VAT Invoice Reference Number (Unique)
- FDC Nashville Global: VAT Invoice Reference Number

- RBS WorldPay Atlanta: VAT Invoice Number
- TSYS Acquiring Solutions: Unique VAT Invoice Reference Number
- Visa Platform Connect: vatInvoiceReferenceNumber
- Worldpay VAP: Invoice Reference Number

orderInformation. isCryptocurrencyPurchase

Flag that specifies whether the payment is for the purchase of cryptocurrency. This field is available only for merchants who support quasi-cash. This field is available only for Visa transactions on the Visa Platform Connect processor. Possible values:

- `true`: Payment is for the purchase of cryptocurrency.
- `false` (default): Payment is not for the purchase of cryptocurrency.

The value for this field does not map to the TC 33 capture file.

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

- REST API Field: **orderInformation.isCryptocurrencyPurchase**
- SCMP API Field: **cryptocurrency_purchase**
- Simple Order API Fields:
 - **ccAuthService_cryptocurrencyPurchase**
 - **ccSaleService_cryptocurrencyPurchase**

orderInformation. lineItems[].allowedExportCountries[]

List of countries where the product can be exported. The countries are listed using ISO country codes. This field is used only when the **processingInformation.actionList** field contains the value `WATCHLIST_SCREENING`.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.lineItems[].allowedExportCountries[]**
- SCMP API Field: **export**
- Simple Order API Field: **item_#_export**

orderInformation.lineItems[].amountIncludesTax

Flag that indicates whether the tax amount is included in the line item total.

Possible values:

- **Y**: Tax included in item amount
- **N**: Tax not included in item amount

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **orderInformation.lineItems[].amountIncludesTax**
- SCMP API Field: **gross_net_indicator**
- Simple Order API Field: **item_#_grossNetIndicator**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Chase Paymentech Solutions: Gross/Net Indicator
- Elavon Americas (Mastercard): Net/Gross Indicator
- FDC Compass: Gross Net Indicator
- RBS WorldPay Atlanta: Gross Net Indicator
- TSYS Acquiring Solutions: Net/Gross Indicator

orderInformation. lineItems[].commodityCode

Commodity code used to classify an item.

Only alphanumeric characters are accepted. Do not include hyphens or other non-alphanumeric characters.

This field is available on the Barclays, Chase Paymentech Solutions, Elavon Americas, FDC Compass, FDC Nashville Global, GPN, OmniPay Direct, RBS WorldPay Atlanta, TSYS Acquiring Solutions, Visa Platform Connect, and Worldpay VAP processors.

Specifications

- Data Type: String
- Data Length
 - Barclays: 35
 - Chase Paymentech Solutions: 12
 - Elavon Americas: 12
 - FDC Compass: 12
 - FDC Nashville Global: 12
 - GPN: 15 for Mastercard payment cards, 12 for Visa payment cards
 - OmniPay Direct: 4 for Mastercard payment cards, 12 for Visa payment cards
 - RBS WorldPay Atlanta: 12
 - TSYS Acquiring Solutions: 12
 - Visa Platform Connect: 12

Mapping Information

- REST API Field: **orderInformation.lineItems[].commodityCode**
- SCMP API Field: **commodity_code**
- Simple Order API Field: **item_#_commodityCode**

Processor Field Names

This list provides the processor-specific field names for each processor supporting this field for Level II or Level III processing:

- Barclays: Commodity Code
- Chase Paymentech Solutions: Item Commodity Code
- Elavon Americas: Item Commodity Code
- FDC Compass: Item Commodity Code
- FDC Nashville Global: Item Commodity Code
- GPN: Item Commodity Code
- OmniPay Direct: Item Commodity Code

- RBS WorldPay Atlanta: Commodity Code
- TSYS Acquiring Solutions: Item Commodity Code
- Visa Platform Connect: commodityCode
- Worldpay VAP: commodityCode

orderInformation. lineItems[].discountAmount

Discount applied to the item.

This field may be required for all Level III processing, depending on your merchant category code. Check with your processor.

FDC Nashville Global

Do not set this field to 0 (zero) for Mastercard transactions.

GPN

The maximum value of this field is **99,999.99**

Specifications

- Data Type: String
- Data Length:
 - RBS WorldPay Atlanta: 8
 - Worldpay VAP: 8
 - FDC Nashville Global: 13
 - TSYS Acquiring Solutions: 13
 - Elavon Americas: 9 (Mastercard), 12 (Visa)
 - FDC Compass: 10 (Mastercard), 13 (Visa)
 - Chase Paymentech Solutions: 10 (Mastercard), 13 (Visa)
 - All other processors: 12

Mapping Information

- REST API Field: **orderInformation.lineItems[].discountAmount**
- SCMP API Field: **discount_amount**
- Simple Order API Field: **item_#_discountAmount**

Processor Field Names

This list provides the processor-specific field names for each processor supporting this field for Level II or Level III processing:

- Chase Paymentech Solutions:
 - Mastercard: Discount Amount
 - Visa: Discount Amount for Line Item

- Elavon Americas:
 - Mastercard: Discount Amount
 - Visa: Discount Amount Per Line Item
- FDC Compass:
 - Mastercard: Discount Amount
 - Visa: Discount Amount for Line Item
- FDC Nashville Global: Item Discount Amount
- GPN: Item Discount
- OmniPay Direct:
 - Mastercard: Discount Amount
 - Visa: Discount Amount for Line Item
- RBS WorldPay Atlanta: Discount Amount
- TSYS Acquiring Solutions:
 - Mastercard: Discount Amount
 - Visa: Discount Amount Per Line Item
- Visa Platform Connect: discountAmount
- Worldpay VAP: Item Discount Amount

orderInformation. lineItems[].discountApplied

Flag indicating a discount was applied to the item.

Possible values:

- **Y**: Discount applied
- **N**: No Discount applied

This field is automatically set to **true** if the **orderInformation.lineItems[].discountApplied** field is greater than 0.

Specifications

- Data Type: Boolean
- Length: 1

Mapping Information

- REST API Field: **orderInformation.lineItems[].discountApplied**
- SCMP API Field: **discount_indicator**
- Simple Order API Field: **item_#_discountIndicator**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Chase Paymentech Solutions: Discount Indicator
- Elavon Americas: Discount Indicator
- FDC Compass: Discount Indicator
- TSYS Acquiring Solutions: Discount Indicator

orderInformation.lineItems[].discountRate

Rate at which the item is discounted.

Additional details for all processors and all txns (Level II/III and non-Level II/III):

GPN, TSYS Acquiring Solutions, and Visa Platform Connect	A maximum of 2 decimal places is allowed. Example 5.25 (=5.25%)
OmniPay Direct	Valid range: 0.010 to 0.999 (1% to 99.9%). Example 0.050 (=5%)
RBS WorldPay Atlanta	Maximum amount is 99.99. Example 5.25 (=5.25%)

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

- REST API Field: **orderInformation.lineItems[].discountRate**
- SCMP API Field: **discount_rate**
- Simple Order API Field: **item_#_discountRate**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- GPN: Item Discount Rate
- OmniPay Direct: Item Discount Rate
- RBS WorldPay Atlanta: Discount Rate
- TSYS Acquiring Solutions: Item Discount Rate
- Visa Platform Connect: discountRate

orderInformation. lineItems[].distributorProductSku

Product's identifier code.

This field is inserted into the outgoing message without being parsed or formatted. This field is included as Distributor product SKU (Offer) in the list of API fields with which you can create custom rules.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.lineItems[].distributorProductSku**
- SCMP API Field: **distributor_product_sku**
- Simple Order API Field: No corresponding field.

orderInformation. lineItems[].exemptAmount

Exempt amount for the item.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.lineItems[].exemptAmount**
- SCMP API Fields:
 - **other_tax#_status_indicator**
 - **tax_exempt_amount0...N**
- Simple Order API Fields:
 - **item_#_otherTax_#_statusIndicator**
 - **taxReply_item_#_exemptAmount**

orderInformation.lineltems[].invoiceNumber

Field to support an invoice number for a transaction.

You must specify the number of offer lines that will include an invoice number. By default, the first offer line includes an invoice number field. By default, the first offer line includes an invoice number field. The invoice number field can be included for up to 10 offer lines.

Specifications

- Data Type: String
- Data Length: 23
- Data Length:
 - Visa Platform Connect: 15
 - All other processors: 23

Mapping Information

- REST API Field: **orderInformation.lineltems[].invoiceNumber**
- SCMP API Field: **invoice_number**
- Simple Order API Field: **item_#_invoiceNumber**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data.

- American Express Direct: Does not apply
- Chase Paymentech Solutions: Does not apply
- FDC Compass: Does not apply
- FDC Nashville Global: Does not apply
- FDMS Nashville: Amount
- FDMS South: Amount
- GPN: Amount
- RBS WorldPay Atlanta: Amount
- TSYS Acquiring Solutions: Amount
- Visa Platform Connect: invoiceNumber
- Worldpay VAP: invoiceNumber

orderInformation.lineltems[].jurisdiction[].code

Jurisdiction code assigned by the tax provider.

Returned only when the **taxInformation.showTaxPerLineItem** field is set to **yes**.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.lineltems[].jurisdiction[].code**
- SCMP API Field: **tax_offer#_jurisdiction#_code**
- Simple Order API Field: **taxReply_item_#_jurisdiction_#_code**

orderInformation.lineltems[].jurisdiction[].country

Jurisdiction country for the item.

Returned only when the **taxInformation.showTaxPerLineItem** field is set to **yes**.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.lineltems[].jurisdiction[].country**
- SCMP API Field: **tax_offer#_jurisdiction#_country**
- Simple Order API Field: **taxReply_item_#_jurisdiction_#_country**

orderInformation.lineltems[].jurisdiction[].name

Free-text description of the jurisdiction for the item. For example, San Mateo County

Returned only when the **taxInformation.showTaxPerLineItem** field is set to **yes**.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.lineItems[].jurisdiction[].name**
- SCMP API Field: **tax_offer#_jurisdiction#_name**
- Simple Order API Field: **taxReply_item_#_jurisdiction_#_name**

orderInformation. lineItems[].jurisdiction[].rate

Jurisdiction tax rate for the item.

Returned only when the **taxInformation.showTaxPerLineItem** field is set to **yes**.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.lineItems[].jurisdiction[].rate**
- SCMP API Field: **tax_offer#_jurisdiction#_rate**
- Simple Order API Field: **taxReply_item_#_jurisdiction_#_rate**

orderInformation. lineItems[].jurisdiction[].region

Free-text description of the jurisdiction region for the item.

For example, CA (California State) or GB (Great Britain).

Returned only when the **taxInformation.showTaxPerLineItem** field is set to **yes**.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.lineItems[].jurisdiction[].region**
- SCMP API Field: **tax_offer#_jurisdiction#_region**
- Simple Order API Field: **taxReply_item_#_jurisdiction_#_region**

orderInformation. lineItems[].jurisdiction[]. taxable

Jurisdiction taxable amount for the item, not including product level exemptions. Returned only when the **taxInformation.showTaxPerLineItem** field is set to **yes**.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.lineItems[].jurisdiction[].taxable**
- SCMP API Field: **tax_offer#_jurisdiction#_taxable**
- Simple Order API Field: **taxReply_item_#_jurisdiction_#_taxable**

orderInformation. lineItems[].jurisdiction[]. taxAmount

Jurisdiction taxable amount for the item. Returned only when the **taxInformation.showTaxPerLineItem** field is set to **yes**.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.lineItems[].jurisdiction[].taxAmount**
- SCMP API Field: **tax_offer#_jurisdiction#_tax_amount**
- Simple Order API Field: **taxReply_item_#_jurisdiction_#_taxAmount**

orderInformation.lineltems[].jurisdiction[].taxName

Name of the jurisdiction tax for the item.

For example, CA State Tax.

Returned only when the **taxInformation.showTaxPerLineItem** field is set to **yes**.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.lineltems[].jurisdiction[].taxName**
- SCMP API Field: **tax_offer#_jurisdiction#_tax_name**
- Simple Order API Field: **taxReply_item_#_jurisdiction_#_taxName**

orderInformation.lineltems[].jurisdiction[].type

Type of jurisdiction for the item.

For example, city, county, state, country, or special.

Returned only when the **taxInformation.showTaxPerLineItem** field is set to **yes**.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.lineltems[].jurisdiction[].type**
- SCMP API Field: **tax_offer#_jurisdiction#_type**
- Simple Order API Field: **taxReply_item_#_jurisdiction_#_type**

orderInformation.lineltems[]. orderAcceptance.administrativeArea

State where you accept the customer's order.

Use the state, province and territory codes for the US and Canada. See [State, Province, and Territory Codes for the United States and Canada](#).

This line item field overrides the corresponding request-level field.

This field is not used for Tax Calculation unless the **orderInformation.lineltems[].orderOrigin.locality** and **orderInformation.lineltems[].orderAcceptance.country** fields are present.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.lineltems[].orderAcceptance.administrativeArea**
- SCMP API Field: **order_acceptance_state**
- Simple Order API Fields:
 - **item_#_orderAcceptanceState**
 - **taxService_orderAcceptanceState**

orderInformation. lineltems[].orderAcceptance.country

Country where you accept the customer's order.

Use two-character ISO standard country codes. See [ISO Standard Country Codes](#).

This line item field overrides the corresponding request-level field.

This field is not used for tax calculation unless the **orderInformation.lineltems[].orderOrigin.locality** fields are present.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.linItems[].orderAcceptance.country**
- SCMP API Field: **order_acceptance_country**
- Simple Order API Fields:
 - **item_#_orderAcceptanceCountry**
 - **taxService_orderAcceptanceCountry**

orderInformation. linItems[].orderAcceptance.locality

City where you accept the customer's order.

This line item field overrides the corresponding request-level field.

This field is not used for tax calculation unless the

orderInformation.linItems[].orderAcceptance.administrativeArea and **orderInformation.linItems[].orderAcceptance.country** fields are present.

Specifications

- Data Type: String
- Data Length: 50

Mapping Information

- REST API Field: **orderInformation.linItems[].orderAcceptance.locality**
- SCMP API Field: **order_acceptance_city**
- Simple Order API Fields:
 - **item_#_orderAcceptanceCity**
 - **taxService_orderAcceptanceCity**

orderInformation. linItems[].orderAcceptance.postalCode

Postal code where you accept the customer's order.

This line item field overrides the corresponding request-level field.

This field is not used for Tax Calculation unless the

orderInformation.linItems[].orderAcceptance.locality, **orderInformation.linItems[].orderAcceptance.administrativeArea**, and **orderInformation.linItems[].orderAcceptance.country** fields are present.

Must be sent at the line or offer level to be surfaced in the Tax Detail Report.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **orderInformation.lineItems[].orderAcceptance.postalCode**
- SCMP API Field: **order_acceptance_zip**
- Simple Order API Fields:
 - **item_#_orderAcceptancePostalCode**
 - **taxService_orderAcceptancePostalCode**

orderInformation.lineItems[].orderOrigin.administrativeArea

State where you receive the customer's order.

Use the state, province and territory codes for the US and Canada. See [State, Province, and Territory Codes for the United States and Canada](#).

This line item field overrides the corresponding request-level field.

This field is not used for tax calculation unless the **orderInformation.lineItems[].orderOrigin.locality** and **orderInformation.lineItems[].orderOrigin.country** fields are present

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.lineItems[].orderOrigin.administrativeArea**
- SCMP API Field: **order_origin_state**
- Simple Order API Fields:
 - **item_#_orderOriginState**
 - **taxService_orderOriginState**

orderInformation. lineItems[].orderOrigin.country

Country where you receive the customer's order.

Use two-character ISO standard country code. See [ISO Standard Country Codes](#).

This line item field overrides the corresponding request-level field.

This field is not used for tax calculation unless the

orderInformation.lineItems[].orderOrigin.administrativeArea and **orderInformation.lineItems[].orderOrigin.locality** fields are present.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.lineItems[].orderOrigin.country**
- SCMP API Field: **order_origin_country**
- Simple Order API Fields:
 - **item_#_orderOriginCountry**
 - **taxService_orderOriginCountry**

orderInformation. lineItems[].orderOrigin.locality

City where you receive the customer's order.

This line item field overrides the corresponding request-level field.

This field is not used for tax calculation unless the

orderInformation.lineItems[].orderOrigin.administrativeArea and **orderInformation.lineItems[].orderOrigin.country** fields are present

Specifications

- Data Type: String
- Data Length: 50

Mapping Information

- REST API Field: **orderInformation.lineItems[].orderOrigin.locality**

- SCMP API Field: **order_origin_city**
- Simple Order API Fields:
 - **item_#_orderOriginCity**
 - **taxService_orderOriginCity**

orderInformation. lineItems[].orderOrigin.postalCode

Postal code where you receive the customer's order.

This line item field overrides the corresponding request-level field.

This field is not used for Tax Calculation unless the

orderInformation.lineItems[].orderOrigin.locality,

orderInformation.lineItems[].orderOrigin.administrativeArea, and

orderInformation.lineItems[].orderOrigin.country fields are present.

Must be sent at the line or offer level to be surfaced in the Tax Detail Report.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **orderInformation.lineItems[].orderOrigin.postalCode**
- SCMP API Field: **order_origin_zip**
- Simple Order API Fields:
 - **item_#_orderOriginPostalCode**
 - **taxService_orderOriginPostalCode**

orderInformation. lineItems[].passenger.email

Passenger's email address, including the full domain name, such as jdoe@example.com.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **orderInformation.lineItems[].passenger.email**
- SCMP API Field: **passenger_email**
- Simple Order API Field: **item_#_passengerEmail**

orderInformation. lineItems[].passenger.firstName

Passenger's first name.

Specifications

- Data Type: String
- Data Length: 60

Mapping Information

- REST API Field: **orderInformation.lineItems[].passenger.firstName**
- SCMP API Field: **passenger_firstname**
- Simple Order API Field: **item_#_passengerFirstName**

orderInformation. lineItems[].passenger.id

ID of the passenger to whom the ticket was issued.
For example, you can use this field for the frequent flyer number.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

- REST API Field: **orderInformation.lineItems[].passenger.id**
- SCMP API Field: **passenger_id**
- Simple Order API Field: **item_#_passengerID**

orderInformation. lineItems.passenger.lastName

Passenger's last name.

Specifications

- Data Type: String
- Data Length: 60

Mapping Information

- REST API Field: **orderInformation.lineItems.passenger.lastName**
- SCMP API Field: **passenger_lastname**
- Simple Order API Field: **item_#_passengerLastName**

orderInformation. lineItems[].passenger.nationality

Passenger's nationality.

Use the two-character country codes. See [ISO Standard Country Codes](#).

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.lineItems[].passenger.nationality**
- SCMP API Field: **passenger_nationality**
- Simple Order API Field: **item_#_passengerNationality**

orderInformation. lineItems[].passenger.phone

Passenger's phone number.

If the order is from outside the US, it is recommended that you include the country code. See [ISO Standard Country Codes](#).

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.lineItems[].passenger.phone**
- SCMP API Field: **passenger_phone**
- Simple Order API Field: **item_#_passengerPhone**

orderInformation. lineItems[].passenger.status

Your company's passenger classification, such as with a frequent flyer program. In this case, you might use values such as standard, gold, or platinum.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

- REST API Field: **orderInformation.lineItems[].passenger.status**
- SCMP API Field: **passenger_status**
- Simple Order API Field: **item_#_passengerStatus**

orderInformation. lineItems[].passenger.type

Passenger classification associated with the price of the ticket. For example, you might use adult or child.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

- REST API Field: **orderInformation.lineItems[].passenger.type**
- SCMP API Field: **passenger_type**
- Simple Order API Field: **item_#_passengerType**

orderInformation.lineItems[].productCode

Type of product.

This value is used to determine the product category: electronic, handling, physical, service, or shipping. The default value is **default**.

Possible values:

- **adult_content**: Adult content.
- **coupon**: Coupon applied to the entire order.
- **default**: Default value for the product code. The value **default** is used when a request message does not include a value for the product code.
- **electronic_good**: Electronic product other than software.
- **electronic_software**: Software distributed electronically rather than on disks or other media.
- **gift_certificate**: Gift certificate.
- **handling_only**: Fee that you charge your customer to cover your administrative selling costs.
- **service**: Service that you perform for your customer.
- **shipping_and_handling**: Handling portion is the fee that you charge your customer to cover your administrative selling costs. Shipping is the charge for shipping the product to your customer.
- **shipping_only**: Charge for transporting tangible personal property from your location to your customer. You must maintain documentation that clearly establishes the location where the title to the property passed from you to your customer.
- **subscription**: subscription to a website or other content.

To use the Tax Calculation service, use values listed in the Tax Product Code Guide. For information about this document, contact customer support.

For authorizations, when you set this to a value other than **default** or any of the values related to shipping and handling, the **orderInformation.lineItems[].quantity**, **orderInformation.lineItems[].productName**, and **orderInformation.lineItems[].productSku** fields are required.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **orderInformation.lineItems[].productCode**
- SCMP API Field: **product_code**
- Simple Order API Field: **item_#_productCode**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data.

- Chase Paymentech Solutions: Product Code
- Elavon Americas:
 - Mastercard: Product Code
 - Visa: Discount Per line Item
- FDC Compass: Product Code
- FDC Nashville Global: Item Product Code
- GPN: Product Code
- OmniPay Direct: Quantity / Item Quantity
- RBS WorldPay Atlanta: Product Code
- TSYS Acquiring Solutions: Product Code
- Visa Platform Connect: productCode
- Worldpay VAP: productCode

orderInformation. lineItems.productDescription

Brief description of item.

Specifications

- Data Type: String
- Data Length: 256

Mapping Information

- REST API Field: **orderInformation.lineItems.productDescription**
- SCMP API Fields:
 - **ap_initiate_product_description**
 - **product_description**
- Simple Order API Fields:
 - **apInitiateService_productDescription**

- **item_#_productDescription**

orderInformation.lineltems[].productName

Name of product.

Specifications

- Data Type: String
- Data Length
 - Barclays: 35
 - Other processors: 255

Mapping Information

- REST API Field: **orderInformation.lineltems[].productName**
- SCMP API Fields:
 - **ap_initiate_product_name**
 - **product_name**
- Simple Order API Fields:
 - **apInitiateService_productName**
 - **item_#_productName**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data.

- Chase Paymentech Solutions: Description
- Elavon Americas: Item Description
- FDC Compass: Description
- FDC Nashville Global: Description
- OmniPay Direct: Item Description
- RBS WorldPay Atlanta: Description
- TSYS Acquiring Solutions:
 - Mastercard: Item Description
 - Visa: Item Descriptor
- Visa Platform Connect: productName
- Worldpay VAP: itemDescription

orderInformation.lineltems[].productSKU

Identification code for the product.

Only alphanumeric characters are accepted. Do not include hyphens or other non-alphanumeric characters.

Specifications

- Data Type: String

Mapping Information

- REST API Field: **orderInformation.lineltems[].productSKU**
- SCMP API Field: **merchant_product_sku**
- Simple Order API Field: **item_#_productSKU**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Barclays: Product Code
- FDC Nashville Global: Item Customer Code

orderInformation.lineltems[].quantity

Quantity of the product.

The default is **1**.

Specifications

- Data Type: Integer
- Data Length: 9

Mapping Information

- REST API Field: **orderInformation.lineltems[].quantity**
- SCMP API Field: **quantity**
- Simple Order API Field: **item_#_quantity**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data.

- American Express Direct: Does not apply
- Barclays: Quantity
- Chase Paymentech Solutions: Quantity
- Elavon Americas: Quantity
- FDC Compass: Quantity
- FDC Nashville Global: Item Quantity
- GPN: Item Quantity
- OmniPay Direct: Quantity / Item Quantity
- RBS WorldPay Atlanta: Quantity
- TSYS Acquiring Solutions
 - Mastercard: Item Quantity
 - Visa: Quantity
- Visa Platform Connect: quantity
- Worldpay VAP: quantity

orderInformation.linelItems[].referenceDataCode

Code that identifies the value of the corresponding **orderInformation.linelItems[].referenceDataNumber** field.

This field is a pass-through field. This means Cybersource does not verify the value or modify it in any way before sending it to the processor.

Possible values:

- **AN**: Client-defined asset code
- **MG**: Manufacturers part number
- **PO**: Purchase order number
- **SK**: Supplier stock keeping unit number
- **UP**: Universal product code
- **VC**: Supplier catalog number
- **VP**: Vendor part number

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.linelItems[].referenceDataCode**
- SCMP API Field: **reference_data_#_code**
- Simple Order API Field: **item_#_referenceData_#_code**

orderInformation.lineltems[].referenceDataNumber

Reference number. The meaning of this value is defined by the value of the corresponding **orderInformation.lineltems[].referenceDataCode** field.

Specifications

- Data Type: String
- Data Length:
 - For **PO** value: 22
 - For **VC** value: 20
 - For all other code values: 30

Mapping Information

- REST API Field: **orderInformation.lineltems[].referenceDataNumber**
- SCMP API Field: **reference_data_#_number**
- Simple Order API Field: **item_#_referenceData_#_number**

orderInformation.lineltems[].restrictedExportCountries[]

List of ISO country codes for countries to which the product cannot be exported. This field is used only when the **processingInformation.actionList** field contains the value **WATCHLIST_SCREENING**.

Specifications

- Data Type: Array of strings
- Data Length: 2,147,483,647

Mapping Information

- REST API Field: **orderInformation.lineltems[].restrictedExportCountries[]**
- SCMP API Field: **no_export**
- Simple Order API Field: **item_#_noExport**

orderInformation.lineltems[].shippingAddress1

Address to which the item will be shipped.

Specifications

- Data Type: String
- Data Length: 50

Mapping Information

- REST API Field: **orderInformation.lineltems[].shippingAddress1**
- SCMP API Field: **shipping_address1**
- Simple Order API Field: **item_#_shippingAddress1**

orderInformation.lineltems[].shippingAddress2

Address to which the item will be shipped.

Specifications

- Data Type: String
- Data Length: 128

Mapping Information

- REST API Field: **orderInformation.lineltems[].shippingAddress2**
- SCMP API Field: **shipping_address2**
- Simple Order API Field: **item_#_shippingAddress2**

orderInformation.lineltems[].shippingCity

City to which the item will be shipped.

Specifications

- Data Type: String

- Data Length: 128

Mapping Information

- REST API Field: **orderInformation.lineItems[].shippingCity**
- SCMP API Field: **shipping_city**
- Simple Order API Field: **item_#_shippingCity**

orderInformation. lineItems[].shippingCountryCode

Country to which the item will be shipped.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.lineItems[].shippingCountryCode**
- SCMP API Field: **shipping_country_code**
- Simple Order API Field: **item_#_shippingCountryCode**

orderInformation. lineItems.shippingDestinationTypes

Item's shipping destination type.
Example: Commercial, residential, store

Specifications

- Data Type: String
- Data Length: 50

Mapping Information

- REST API Field: **orderInformation.lineItems.shippingDestinationTypes**
- SCMP API Field: **shipping_destination_types**
- Simple Order API Field: **item_#_shippingDestinationTypes**

orderInformation. lineItems[].shippingFirstName

First name of the shipping recipient.

Specifications

- Data Type: String
- Data Length: 128

Mapping Information

- REST API Field: **orderInformation.lineItems[].shippingFirstName**
- SCMP API Field: **shipping_first_name**
- Simple Order API Field: **item_#_shippingFirstName**

orderInformation. lineItems[].shippingLastName

Last name of the shipping recipient.

Specifications

- Data Type: String
- Data Length: 128

Mapping Information

- REST API Field: **orderInformation.lineItems[].shippingLastName**
- SCMP API Field: **shipping_last_name**
- Simple Order API Field: **item_#_shippingLastName**

orderInformation. lineItems[].shippingMiddleName

Middle name of the shipping recipient.

Specifications

- Data Type: String
- Data Length: 128

Mapping Information

- REST API Field: **orderInformation.lineItems[].shippingMiddleName**
- SCMP API Field: **shipping_middle_name**
- Simple Order API Field: **item_#_shippingMiddleName**

orderInformation. lineItems[].shippingPhone

Recipient's phone number.

Specifications

- Data Type: Integer
- Data Length: 20

Mapping Information

- REST API Field: **orderInformation.lineItems[].shippingPhone**
- SCMP API Field: **shipping_phone**
- Simple Order API Field: **item_#_shippingPhone**

orderInformation. lineItems[].shippingPostalCode

Recipient's postal code.

Specifications

- Data Type: String
- Data Length: 16

Mapping Information

- REST API Field: **orderInformation.lineItems[].shippingPostalCode**
- SCMP API Field: **shipping_postal_code**
- Simple Order API Field: **item_#_shippingPostalCode**

orderInformation.lineltems[].shippingState

State to which the item will be shipped.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **orderInformation.lineltems[].shippingState**
- SCMP API Field: **shipping_state**
- Simple Order API Field: **item_#_shippingState**

orderInformation.lineltems[].taxableAmount

Taxable amount for the item.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Fields: **orderInformation.lineltems[].taxableAmount**
- SCMP API Field: **tax_taxable_amount0..N**
- Simple Order API Field: **taxReply_item_#_taxableAmount**

orderInformation.lineltems[].taxAmount

Total tax to apply to the product.

Specify the value in US English characters. The amount cannot be negative. The tax amount and the unit price must be in the same currency.

This field is available only on the American Express Direct, Barclays, Chase Paymentech Solutions, Elavon Americas, FDC Compass, FDMS South, FDC Nashville Global, FDMS Nashville, GPN, OmniPay Direct, RBS WorldPay Atlanta, TSYS Acquiring Solutions, Visa Platform Connect, and Worldpay VAP processors.

When you include this field, the Tax Calculation service does not calculate tax for the offer. Instead, it returns the value of the **orderInformation.lineItems.taxAmount** field in the reply message.

The tax amount value is additive as shown in this example.

Example: This example uses a two-exponent currency such as USD:

1. You include these offers in your request:

```
orderInformation.lineItems[0].unitPrice=10.00
orderInformation.lineItems[0].quantity=1
orderInformation.lineItems[0].taxAmount=0.80
orderInformation.lineItems[1].unitPrice=20.00
orderInformation.lineItems[1].quantity=1
orderInformation.lineItems[1].taxAmount=1.60
```

2. The total authorized amount is 32.40, not 30.00 with 2.40 of tax included.

Airline Processing

Tax portion of the order amount. This value cannot exceed 99999999999999 (fourteen 9s). Format: English characters only. Optional request field for a line item.

Tax Calculation

Optional field for US, Canadian, international tax, and value-added taxes.

When you want to include **orderInformation.lineItems[].taxAmount**. For more information, see the [Tax Calculation Developer Guide](#).

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.lineItems.taxAmount**
- SCMP API Field: **tax_amount**
- Simple Order API Field: **item_#_taxAmount**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data.

- American Express Direct: Does not apply
- Barclays: Tax Amount
- Chase Paymentech Solutions: Tax Amount
- Elavon Americas: VAT / Tax Amount
- FDC Compass: Tax Amount
- FDC Nashville Global: Local Tax Amount
- FDMS Nashville: Does not apply
- FDMS South: Does not apply
- GPN

- Level II: Amount 2
- Level III: Tax Amount N
- GPX: localTax Amount
- OmniPay Direct: Tax Amount / Total Tax Amount
- RBS WorldPay Atlanta: Tax Amount
- Visa Platform Connect: localTax Amount
- TSYS Acquiring Solutions
 - Mastercard: Tax Amount
 - Visa: VAT / Tax Amount
- Worldpay VAP: taxAmount

orderInformation. lineItems[].taxAppliedAfterDiscount

Flag to indicate how you handle discount at the line item level.
This field is available only for the Visa Platform Connect processor.
Possible values:

- 0: no line level discount provided
- 1: tax was calculated on the post-discount line item total
- 2: tax was calculated on the pre-discount line item total

Visa inserts a 0 (zero) value if an invalid value is included in this field.
This field relates to the value in the **orderInformation.amountDetails.discountAmount** field.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **orderInformation.lineItems[].taxAppliedAfterDiscount**
- SCMP API Field: **discount_management_indicator**
- Simple Order API Field: **item_#_discountManagementIndicator**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Visa Platform Connect: discountManagementIndicator

orderInformation. lineItems[].taxDetails[].amount

Amount collected for tax.

Elavon Americas

For Mastercard, do not set this field to 0 (zero).

FDC Nashville Global

Visa: VAT or other tax amount.

Mastercard: Tax amount collected for a special type of tax. Do not set this field to 0 (zero).

Specifications

- Data Type: String
- Data Length:
 - American Express Direct 7 (Canadian Dollars), 9 (U.S. Dollars)
 - Elavon Americas 10
 - Worldpay VAP 8
 - FDC Nashville Global 13
 - TSYS Acquiring Solutions 13
 - All other processors: 15

Mapping Information

- REST API Field: **orderInformation.lineItems[].taxDetails[].amount**
- SCMP API Fields:
 - **alternate_tax_amount**
 - **local_tax**
 - **national_tax**
 - **other_tax#_amount**
 - **tax_city_taxN**
 - **tax_county_taxN**
 - **tax_country_taxN**
 - **tax_district_taxN**
 - **tax_special_tax0...N**
 - **tax_state_taxN**
 - **tax_tax_amountN**
- Simple Order API Fields:
 - **item_#_alternateTaxAmount**

- **item_#_localTax**
- **item_#_nationalTax**
- **item_#_otherTax_#_amount**
- **item_#_otherTax_localTaxAmount**
- **taxReply_item_#_cityTaxAmount**
- **taxReply_item_#_countyTaxAmount**
- **taxReply_item_#_countryTaxAmount**
- **taxReply_item_#_districtTaxAmount**
- **taxReply_item_#_specialTaxAmount**
- **taxReply_item_#_stateTaxAmount**
- **taxReply_item_#_totalTaxAmount**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply
- Elavon Americas: Sales Tax Amount
- FDC Nashville Global: Item Other Tax Amount and Item Local Tax Amount
- Worldpay VAP: taxAmount
- TSYS Acquiring Solutions: Local Tax

orderInformation. lineItems[].taxDetails[].applied

A flag that indicates whether an alternative tax amount (**orderInformation.amountDetails.taxDetails[].amount**) is included in the request. Possible values for this field:

- false: Alternate tax amount is not included in the request
- true: Alternate tax amount is included in the request

Specifications

- Data Type: Boolean

Mapping Information

- REST API Field: **orderInformation.lineItems[].taxDetails[].applied**
- SCMP API Field: **alternate_tax_amount_indicator**
- Simple Order API Fields:
 - **item_#_alternateTaxType**

- **otherTax_alternateTaxIndicator**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Elavon Americas: National /Alternate Tax Included
- FDC Nashville Global: Other Tax Indicator
- RBS WorldPay Atlanta: Alternate Tax Indicator
- TSYS Acquiring Solutions: Alternate Tax Amount Indicator

orderInformation. lineItems[].taxDetails[].code

Flag that indicates whether local sales tax is included in the order total.

Possible values:

- **0**: local sales tax not included
- **1**: local sales tax included
- **2**: tax exempt order

For Mastercard: Defines tax categories for domestic processing in certain locations.

Flag that indicates the type of tax collected for

orderInformation.lineItems[].taxDetails[].amount.

Possible values:

- **00**: unknown
- **01**: federal or national sales tax
- **02**: states sales tax
- **03**: city sales tax
- **04**: local sales tax
- **05**: municipal sales tax
- **06**: other tax
- **10**: value-added tax (VAT)
- **11**: goods and services tax (GST)
- **12**: provincial sales tax
- **20**: room tax
- **21**: occupancy tax
- **22**: energy tax

Specifications

- Data Type: String

- Data Length: 4

Mapping Information

- REST API Field: **orderInformation.lineItems[].taxDetails[].code**
- SCMP API Fields:
 - **alternate_tax_type_applied**
 - **local_tax_indicator**
- Simple Order API Fields:
 - **item_#_alternateTaxTypeApplied**
 - **otherTax_localTaxIndicator**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Elavon Americas: Sales Tax Included
- FDC Nashville Global: Item Tax Type Applied
- OmniPay Direct: Local Tax Included
- TSYS Acquiring Solutions: Local Tax Included Flag

orderInformation. lineItems[].taxDetails[].rate

Alternative tax rate applied to the item.

FDC Nashville Global

For Mastercard, this is the rate for a special tax.

For Visa, this is a VAT tax or other tax rate.

OmniPay Direct

This rate is used to

generate the value of the

orderInformation.lineItems[].taxDetails[].amount

Line item field.

When you include the

orderInformation.lineItems[].taxDetails[].amount

Line item field or the

orderInformation.amountDetails.taxDetails[].amount

request field, do not include the

orderInformation.lineItems[].taxDetails[].rate

field. The

orderInformation.amountDetails.taxDetails[].amount

request field rate will be set using the following equation:

orderInformation.amountDetails.taxDetails[].amount / orderInformation.lineItems[].unitPrice field.

For Visa, this is a VAT tax or other tax rate.

Specifications

- Data Type: String
- Data Length:
 - OmniPay Direct: 4
 - Worldpay VAP: 8
 - All other processors: 5

Mapping Information

- REST API Field: **orderInformation.lineItems[].taxDetails[].rate**
- SCMP API Fields:
 - **alternate_tax_amount**
 - **vat_rate**
- Simple Order API Fields:
 - **item_#_alternateTaxRate**
 - **item_#_vatRate**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- FDC Nashville Global: Item Tax Rate Applied
- FDMS South: Does not apply
- GPN: Tax Rate N
- OmniPay Direct: VAT / Tax Rate (Freight or Shipping)
- Worldpay VAP: taxRate

orderInformation. lineItems[].taxDetails[].taxID

Your tax ID number to use for the alternate tax amount.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.lineItems[].taxDetails[].taxID**
- SCMP API Field: **alternate_tax_id**
- Simple Order API Field: **item_#_alternateTaxID**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Elavon Americas (Field name for Mastercard): Tax Amount
- FDC Nashville Global: Tax Amount 1 Tax ID
- RBS WorldPay Atlanta: Alternate Tax ID
- TSYS Acquiring Solutions: Alternate Tax Identifier
- Worldpay VAP: cardAcceptorTaxId

orderInformation. lineItems[].taxDetails[].type

Description of the tax applied for the item.

This field is part of an array and can include one or more tax types along with the amounts for each tax. For each tax type, you must also include the **orderInformation.lineItems[].taxDetails[].amount** field. For each tax, the two fields should be added in the following form:

```
"orderInformation": {
  "lineItems": [
    "taxDetails": [
      "type": "city",
      "amount": "5.14"
    ]
  ]
}
```

Possible values include:

- **city**
- **county**
- **state**
- **national**

- `special`

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: `orderInformation.lineItems.taxDetails.type`
- SCMP API Fields:
 - `tax_city_tax0...N`
 - `tax_county_tax0...N`
 - `tax_district_tax0...N`
 - `tax_state_tax0...N`
 - `tax_tax_amount0...N`
- Simple Order API Fields:
 - `taxReply_item_#_cityTaxAmount`
 - `taxReply_item_#_countyTaxAmount`
 - `taxReply_item_#_districtTaxAmount`
 - `taxReply_item_#_stateTaxAmount`
 - `taxReply_item_#_totalTaxAmount`

orderInformation.lineItems[].taxRate

Tax rate applied to the item.

This field is available only on the American Express Direct, Barclays, Chase Paymentech Solutions, Elavon Americas, FDC Compass, RBS WorldPay Atlanta, TSYS Acquiring Solutions, and Visa Platform Connect processors.

American Express Direct, RBS WorldPay Atlanta, TSYS Acquiring Solutions, and Visa Platform Connect

For transactions on Visa payment cards, the valid range is from 0.01 (1%) to 0.99 (99%). Only whole percentage values accepted; values with additional decimal places will be truncated.

For other transactions, the valid range is from 0.00 (0%) to 99.99 (99.99%). Values with more than two digits beyond the decimal point will be truncated.

- 60%: 60.00
- 25.5%: 25.50
- 33.33%: 33.33

Barclays

The valid range is from 0.00 (0%) to 100.00 (100%), expressed as a whole number with decimals.

For example, 20.00 = 20% tax rate.

Chase Paymentech Solutions, Elavon Americas, and FDC Compass

For transactions on Mastercard payment cards, the valid range is from 0.00001 (0.001%) to 0.99999 (99.999%).

- 60%: 0.6000
- 25.5%: 0.2550
- 33.33%: 0.3333

For transactions on Visa payment cards, the valid range is from 0.01 (1%) to 0.99 (99%).

- 60%: 0.60
- 25%: 0.25
- 33%: 0.33

Specifications

- Data Type: String
- Data Length
 - Barclays: 6
 - Chase Paymentech Solutions: 7 (Mastercard), 4 (Visa)
 - Elavon Americas: 5 (Mastercard), 4 (Visa)
 - FDC Compass: 7 (Mastercard), 4 (Visa)
 - TSYS Acquiring Solutions: 6
 - Other processors: 4

Mapping Information

- REST API Field: **orderInformation.lineItems[].taxRate**
- SCMP API Field: **tax_rate**
- Simple Order API Field: **item_#_taxRate**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply
- Chase Paymentech Solutions: Tax Rate
- Elavon Americas:
 - Mastercard: Tax Rate Applied
 - Visa: VAT/Tax Rate

- FDC Compass: Tax Rate
- RBS WorldPay Atlanta: Tax Rate
- TSYS Acquiring Solutions:
 - Mastercard: Tax Rate Applied
 - Visa: VAT/Tax Rate
- Visa Platform Connect: taxRate

orderInformation. lineItems[].taxStatusIndicator

Status for exemption from sales and use tax.

This field is available only on the American Express Direct processor.

This field is a pass-through field, which means Cybersource does not verify the value or modify it in any way before sending it to the processor.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **orderInformation.lineItems[].taxStatusIndicator**
- SCMP API Field: **tax_status_indicator**
- Simple Order API Field: **item_#_taxStatusIndicator**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply

orderInformation. lineItems[].taxTypeCode

Type of tax applied to the item.

This field is available only on the Barclays, Chase Paymentech Solutions, Elavon Americas, FDC Compass, RBS WorldPay Atlanta, and TSYS Acquiring Solutions processors.

Barclays

Possible values:

- **S**: Single standard rate
- **AA**: Reduced rate AA

- **BB**: Reduced rate BB
- **CC**: Reduced rate CC
- **DD**: Reduced rate DD
- **E**: Exempt
- **Z**: Zero rated

Chase Paymentech Solutions, Elavon Americas, FDC Compass, RBS WorldPay Atlanta, and TSYS Acquiring Solutions

Possible values:

- **0000**: unknown tax type
- **0001**: federal/national sales tax
- **0002**: state sales tax
- **0003**: city sales tax
- **0004**: local sales tax
- **0005**: municipal sales tax
- **0006**: other tax
- **0010**: value-added tax (VAT)
- **0011**: goods and services tax
- **0012**: provincial sales tax
- **0013**: harmonized sales tax
- **0014**: Quebec sales tax (QST)
- **0020**: room tax
- **0021**: occupancy tax
- **0022**: energy tax
- blank: tax not supported on line item

Specifications

- Data Type: String
- Data Length
 - Barclays: 2
 - Chase Paymentech Solutions: 4 numeric
 - Elavon Americas: 4 numeric
 - FDC Compass: 4 numeric
 - RBS WorldPay Atlanta: 4 numeric
 - TSYS Acquiring Solutions: 4 numeric

Mapping Information

- REST API Field: **orderInformation.lineItems[].taxTypeCode**
- SCMP API Field: **tax_type_applied**
- Simple Order API Field: **item_#_taxTypeApplied**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Chase Paymentech Solutions: Tax Type Applied
- Elavon Americas: Tax Type Applied
- FDC Compass: Tax Type Applied
- RBS WorldPay Atlanta: Tax Type
- TSYS Acquiring Solutions: Tax Type Applied

orderInformation.lineItems[].totalAmount

Total amount for the item, calculated as: (unit price # quantity).

This field is available only on the Barclays, Elavon Americas, FDC Compass, OmniPay Direct, RBS WorldPay Atlanta, TSYS Acquiring Solutions, Visa Platform Connect, and Worldpay VAP processors.

Barclays

Must be numeric with two exponents.

Chase Paymentech Solutions

Do not use all zeros or spaces in Mastercard transactions.

FDC Compass

Do not use all zeroes or spaces in Mastercard transactions.

RBS WorldPay Atlanta

Do not use all zeros or spaces in Mastercard transactions.

Specifications

- Data Type: String
- Data Length:
 - Barclays 10 (Mastercard), 18 (Visa)
 - Chase Paymentech Solutions: 10 (Mastercard), 13 (Visa)
 - Elavon Americas: 9 (Mastercard), 12 (Visa)
 - FDC Compass: 10 (Mastercard), 13 (Visa)
 - OmniPay Direct: 12
 - RBS WorldPay Atlanta: 12
 - TSYS Acquiring Solutions: 10 (Mastercard), 13 (Visa)
 - Visa Platform Connect: 12
 - Worldpay VAP: 8
 - Other processors: 12

Mapping Information

- REST API Field: **orderInformation.lineItems[].totalAmount**
- SCMP API Field: **total_amount**
- Simple Order API Field: **item_#_totalAmount**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Barclays Line Item Total
- Chase Paymentech Solutions: Line Item Total
- Elavon Americas
 - Mastercard: Extended Item Amount
 - Visa: Line Item Total
- FDC Compass: Line Item Total
- OmniPay Direct: Line Item total / Extended Item Amount
- RBS WorldPay Atlanta: Line Total
- TSYS Acquiring Solutions
 - Mastercard: Extended Item Amount
 - Visa: Line Item Total
- Visa Platform Connect: totalAmount
- Worldpay VAP: lineItemTotal

orderInformation.lineItems[].typeOfSupply

Code indicating whether the purchase is categorized as goods or services. This field is available only for the Visa Platform Connect processor.

Possible values:

- **00**: Goods
- **01**: Services

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.lineItems[].typeOfSupply**
- SCMP API Field: **type_of_supply**
- Simple Order API Field: **item_#_typeOfSupply**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Visa Platform Connect: typeOfSupply

orderInformation.lineltems[].unitOfMeasure

Code that specifies the unit of measure for the item.

Do not use all zeros or spaces in this field.

This field is available only for the American Express Direct, Barclays, Chase Paymentech Solutions, Elavon Americas, FDC Compass, FDC Nashville Global, GPN, OmniPay Direct, RBS WorldPay Atlanta, TSYS Acquiring Solutions, Visa Platform Connect, and Worldpay VAP processors.

This processor has specific requirements:

For American Express Direct, see the EDI codes for units of measurement at https://ws2.segment.co.il/Public/EDI-Segment/x12-4040/EDI_4010/el355.htm.

Specifications

- Data Type: String
- Data Length
 - American Express Direct: 2
 - Barclays: 80
 - Chase Paymentech Solutions: 3 (Mastercard), 12 (Visa)
 - Elavon Americas: 3 (Mastercard), 12 (Visa)
 - FDC Compass: 3 (Mastercard), 12 (Visa)
 - FDC Nashville Global: 12
 - GPN: 12
 - OmniPay Direct: 12
 - RBS WorldPay Atlanta: 12
 - TSYS Acquiring Solutions: 12
 - Visa Platform Connect: 12
 - Worldpay VAP: 12
 - Other processors: 12

Mapping Information

- REST API Field: **orderInformation.lineltems[].unitOfMeasure**
- SCMP API Field: **unit_of_measure**
- Simple Order API Field: **item_#_unitOfMeasure**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply
- Barclays: Unit of Measure
- Chase Paymentech Solutions: Unit of Measure
- Elavon Americas: Unit of Measure
- FDC Compass: Unit of Measure
- FDC Nashville Global: Item Bulk / Unit of Measure
- GPN: Unit of Measure
- OmniPay Direct: Unit of Measure Code / Item Unit of Measure
- RBS WorldPay Atlanta: Unit of Measure
- TSYS Acquiring Solutions:
 - Mastercard: Item Unit of Measure
 - Visa: Unit of Measure/Code
- Visa Platform Connect: unitOfMeasure
- Worldpay VAP: unitOfMeasure

orderInformation.lineItems[].unitPrice

Per-item price of the product.

This is an item-level field.

This value cannot be negative. You can include a decimal point (.), but you cannot include any other special characters. The amount is truncated to the correct number of decimal places.

This field is available only on the American Express Direct, Barclays, Chase Paymentech Solutions, Elavon Americas, FDC Compass, FDC Nashville Global, FDMS Nashville, FDMS South, GPN, OmniPay Direct, RBS WorldPay Atlanta, TSYS Acquiring Solutions, Visa Platform Connect, and Worldpay VAP processors.



Important

Some processors have specific requirements and limitations, such as maximum amounts and maximum field lengths.

Barclays

Value must be numeric with two exponents.

Visa Platform Connect

Limit authorization and capture amounts to 999999999999 (twelve 9s).

DCC with a Third-Party Provider: Set this field to the converted amount that was returned by the DCC provider. You must include either this field or **orderInformation.amountDetails.totalAmount** in a request.

Zero Amount Authorizations: If your processor supports zero amount authorizations, you can set this field to 0 for an authorization to find out whether the card is lost or stolen.

Level III transaction: This value cannot be zero (0).

Specifications

- Data Type: String
- Data Length
 - American Express Direct: 8 (CAD), 10 (USD)
 - Barclays: 8 (for Mastercard), 18 (for Visa)
 - Chase Paymentech Solutions: 13 (USD)
 - FDC Compass: 13 (USD)
 - FDC Nashville Global: 13 (USD)
 - FDMS Nashville: 15 (USD)
 - RBS WorldPay Atlanta: 8 (Mastercard), 10 (Visa)
 - Other processors: 12

Mapping Information

- REST API Field: **orderInformation.lineItems[].unitPrice**
- SCMP API Field: **amount**
- Simple Order API Field: **item_#_unitPrice**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data.

- American Express Direct: Does not apply
- Barclays: Unit Price
- Chase Paymentech Solutions: Unit Cost
- Elavon Americas: Unit Cost
- FDC Compass: Unit Cost
- FDC Nashville Global: Item Unit Cost
- FDMS Nashville: Does not apply
- FDMS South: Does not apply
- GPN: Unit Price
- OmniPay Direct: Unit Cost/Unit Price
- RBS WorldPay Atlanta: Unit Cost
- TSYS Acquiring Solutions: Unit Cost
- Visa Platform Connect: unitPrice
- Worldpay VAP: unitCost

orderInformation.linelItems[].weight

Weight of the item.

This field is available only on the American Express Direct processor.

Specifications

- Data Type: String
- Data Length: 9

Mapping Information

- REST API Field: **orderInformation.linelItems[].weight**
- SCMP API Field: **weight_amount**
- Simple Order API Field: **item_#_weightAmount**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply

orderInformation.linelItems[].weightIdentifier

Type of weight.

This field is available only for the American Express Direct processor.

Possible values:

- **B**: Billed weight
- **N**: Actual net weight

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **orderInformation.linelItems[].weightIdentifier**
- SCMP API Field: **weight_identifier**
- Simple Order API Field: **item_#_weightIdentifier**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply

orderInformation.lineltems[].weightUnit

Code that specifies the unit of measurement for the weight amount.

For example, **OZ** specifies ounces and **LB** specifies pounds.

The values are defined by the ANSI Accredited Standards Committee (ASC).

This field is available only on the American Express Direct processor.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.lineltems[].weightUnit**
- SCMP API Field: **weight_unit_measurement**
- Simple Order API Field: **item_#_weightunitOfMeasure**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply

orderInformation.reordered

Indicates whether the cardholder is reordering previously purchased merchandise.

This field can contain one of these values:

- **01**: First time ordered
- **02**: Reordered

Specifications

- Data Type: Boolean
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.reordered**
- SCMP API Field: **pa_reorder**
- Simple Order API Field: **payerAuthEnrollService_reorder**

orderInformation. returnsAccepted

Indicates whether returns are accepted for this order.
This field can contain one of the following values:

- **yes**: Returns are accepted for this order.
- **no**: Returns are not accepted for this order.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **orderInformation.returnsAccepted**
- SCMP API Field: **returns_accepted**
- Simple Order API Field: **invoiceHeader_returnsAccepted**

orderInformation. rewardPointsDetails. pointsAfterRedemption

Remaining loyalty points balance after redemption.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **orderInformation.rewardPointsDetails.pointsAfterRedemption**
- SCMP API Field: **points_after_redemption**
- Simple Order API Field: **payByPoints_pointsAfterRedemption**

orderInformation.rewardPointsDetails.pointsBeforeRedemption

Loyalty points balance before redemption.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **orderInformation.rewardPointsDetails.pointsBeforeRedemption**
- SCMP API Field: **points_before_redemption**
- Simple Order API Field: **payByPoints_pointsBeforeRedemption**

orderInformation.rewardPointsDetails.pointsRedeemed

Number of loyalty points that were redeemed.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **orderInformation.rewardPointsDetails.pointsRedeemed**
- Simple Order API Field: **payByPoints_pointsRedeemed**

orderInformation.rewardPointsDetails.pointsValueAfterRedemption

Value of the remaining loyalty points after redemption in the local currency.

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **orderInformation.rewardPointsDetails.pointsValueAfterRedemption**
- SCMP API Field: **points_value_after_redemption**
- Simple Order API Field: **payByPoints_pointsValueAfterRedemption**

orderInformation.rewardPointsDetails.pointsValueBeforeRedemption

Value of loyalty points before redemption in the local currency.

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **orderInformation.rewardPointsDetails.pointsValueBeforeRedemption**
- SCMP API Field: **points_value_before_redemption**
- Simple Order API Field: **payByPoints_pointsValueBeforeRedemption**

orderInformation.rewardPointsDetails.pointsValueRedeemed

Value of the loyalty points that were redeemed in the local currency.

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **orderInformation.rewardPointsDetails.pointsValueRedeemed**
- SCMP API Field: **points_value_redeemed**

- Simple Order API Field: **payByPoints_pointsValueRedeemed**

orderInformation.shippingDetails.giftWrap

Indicates whether the customer requested gift wrapping for this purchase.

This field can contain one of the following values:

- **yes**: The customer requested gift wrapping.
- **no**: The customer did not request gift wrapping.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **orderInformation.shippingDetails.giftWrap**
- SCMP API Field: **customer_gift_wrap**
- Simple Order API Field: **invoiceHeader_isGift**

orderInformation.shippingDetails.shipFromAdministrativeArea

State from which the product is shipped.

Use the state, province and territory codes for the US and Canada. See [State, Province, and Territory Codes for the United States and Canada](#).

This field is available only for the American Express Direct processor.

The value in this field is used to determine tax rules and rates applied to the transaction based on sourcing.

Tax Calculation

The value in this field is used for tax calculations only when the orderInformation.shippingDetails.shipFromLocality and orderInformation.shippingDetails.shipFromCountry fields are present.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.shippingDetails.shipFromAdministrativeArea**
- SCMP API Field: **ship_from_state**
- Simple Order API Fields:
 - **item_#_shipFromState**
 - **shipFrom_state**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply

orderInformation. shippingDetails.shipFromCountry

The country from which the product is shipped.

This field is available only for the American Express Direct processor.

Use two-character ISO standard country code. See [ISO Standard Country Codes](#).

Tax Calculation

The value in this field is used for tax calculations only when the **orderInformation.shippingDetails.shipFromLocality** and **orderInformation.shippingDetails.shipFromAdministrativeArea** fields are present.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.shippingDetails.shipFromCountry**
- SCMP API Field: **ship_from_country**
- Simple Order API Fields:
 - **item_#_shipFromCountry**
 - **shipFrom_country**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply

orderInformation. shippingDetails.shipFromLocality

City from which the product is shipped.

This field is available only for the American Express Direct processor.

The city is used to determine tax rules and rates applied to the transaction based on sourcing.

Use the two-character state, province, or territory codes for the US and Canada. See [State, Province, and Territory Codes for the United States and Canada](#).

Tax Calculation

The value in this field is used for tax calculations only when the orderInformation.shippingDetails.shipFromAdministrati and orderInformation.shippingDetails.shipFromCountry fields are present.

Specifications

- Data Type: String
- Data Length: 30

Mapping Information

- REST API Field: **orderInformation.shippingDetails.shipFromLocality**
- SCMP API Field: **ship_from_city**
- Simple Order API Fields:
 - **item_#_shipFromCity**
 - **shipFrom_city**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply

orderInformation.

shippingDetails.shipFromPostalCode

Postal code for the address from which the goods are shipped, which is used to establish nexus, and which is used to determine tax rules and rates applied to the transaction based on sourcing.

The default value is the postal code associated with your account. You can use this field to override the default setting. This line-item field overrides the corresponding request-level field. The postal code must consist of 5 to 9 digits.

- Canadian postal code: The six-digit format is [alpha][numeric][alpha][space] [numeric] [alpha][numeric]
Example: A1B 2C3
- US postal code: The nine-digit format is [5 digits][dash][4 digits].
Example: 12345-6789

This field is available only on the American Express Direct, Chase Paymentech Solutions, Elavon Americas, FDC Compass, FDC Nashville Global, FDMS South, GPN, OmniPay Direct, RBS WorldPay Atlanta, TSYS Acquiring Solutions, Visa Platform Connect, and Worldpay VAP processors.

These processors have specific requirements:

American Express Direct

Before the postal code is sent to the processor, all non-alphanumeric characters are removed and, if the remaining value is longer than nine characters, the value is truncated starting from the right side.

Visa Platform Connect

This field is used to determine the nexus. The default is the postal code associated with your account. The postal code must consist of 5 to 9 digits.

Worldpay VAP

This field is used to determine the nexus. The default is the postal code associated with your account. The postal code must consist of 5 to 9 digits.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **orderInformation.shippingDetails.shipFromPostalCode**

- SCMP API Field: **ship_from_zip**
- Simple Order API Fields:
 - **item_#_shipFromPostalCode**
 - **shipFrom_postalCode**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data.

- American Express Direct: Does not apply
- Chase Paymentech Solutions: Ship From ZIP/Postal Code
- Elavon Americas: Ship From Postal / ZIP Code
- FDC Compass: Ship From ZIP/Postal Code
- FDC Nashville Global: Ship From ZIP
- FDMS South: Does not apply
- GPN: Ship From Postal/ZIP Code
- OmniPay Direct: Ship From Postal / ZIP Code
- RBS WorldPay Atlanta: Origin ZIP
- TSYS Acquiring Solutions: Ship From Postal/ZIP Code
- Visa Platform Connect: shipFromAddress
- Worldpay VAP: shipFromPostalCode

orderInformation. shippingDetails.shippingMethod

Shipping method for the product.

Possible values:

- **lowcost**: Lowest-cost service.
- **sameday**: Courier or same-day service.
- **oneday**: Next-day or overnight service.
- **twoday**: Two-day service.
- **threeday**: Three-day service.
- **pickup**: Store pick-up.
- **other**: Other shipping method.
- **none**: No shipping method because product is a service or subscription.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **orderInformation.shippingDetails.shippingMethod**
- SCMP API Field: **shipping_method**
- Simple Order API Field: **shipTo_shippingMethod**

orderInformation. shipTo.address1

First line of the shipping address.

When **orderInformation.shipTo.address1** is not included in the request and the service defaults to **orderInformation.shipTo.address1**, the value for **orderInformation.shipTo.address1** is left blank in the Tax Detail Report.

This field is available on these processors: AIBMS, American Express , American Express Direct, Asia, Middle East, and Africa Gateway, Atos, Bank of America ACH, Banque de France et Tresor Public, Barclays, BNP Paribas France, Chase Paymentech Solutions, Chase Paymentech Tandem, China UnionPay, Cielo, Citibank India, Comercio Latino, Credit Mutuel-CIC, Cybersource ACH Service, Cybersource Latin American Processing, Elavon, Elavon Americas, FDC Compass, FDC Germany, FDC Nashville Global, FDI Australia, FDMS Nashville, FDMS South, First Data Merchant Solutions, Getnet, GPN, HBoS, HSBC, JCN Gateway, Korean Cyber Payments, Lloyds-OmniPay, LloydsTSB Cardnet, Lynk, Moneris, OmniPay Direct, PayEase China Processing, Prosa, RBS WorldPay Atlanta, Rede, RuPay, SIX, Software Express, Streamline, TeleCheck, UATP, ValueLink, Vero, Visa Platform Connect, Worldpay VAP, TSYS Acquiring Solutions, and Wells Fargo ACH.

Specifications

- Data Type: Request
- Data Format: String
- Data Length
 - TSYS Acquiring Solutions: 36
 - Other processors: 60

Mapping Information

- REST API Field: **orderInformation.shipTo.address1**
- SCMP API Field: **ship_to_address1**
- Simple Order API Field: **shipTo_street1**

orderInformation. shipTo.address2

Second line of the shipping address.

This field is available on these processors: AIBMS, American Express , American Express Direct, Asia, Middle East, and Africa Gateway, Atos, Bank of America ACH, Banque de France et Tresor Public, Barclays, BNP Paribas France, Chase Paymentech Solutions, Chase Paymentech Tandem, China UnionPay, Cielo, Citibank India, Comercio Latino, Credit Mutuel-CIC, Cybersource ACH Service, Cybersource Latin American Processing, Elavon, Elavon Americas, FDC Compass, FDC Germany, FDC Nashville Global, FDI Australia, FDMS Nashville, FDMS South, First Data Merchant Solutions, Getnet, GPN, HBoS, HSBC, JCN Gateway, Korean Cyber Payments, Lloyds-OmniPay, LloydsTSB Cardnet, Lynk, Moneris, OmniPay Direct, PayEase China Processing, Prosa, RBS WorldPay Atlanta, Rede, RuPay, SIX, Software Express, Streamline, TeleCheck, UATP, ValueLink, Vero, Visa Platform Connect, Worldpay VAP, TSYS Acquiring Solutions, and Wells Fargo ACH.

Specifications

- Data Type: Request
- Data Format: String
- Data Length: 60
- Data Length:
 - Worldpay VAP: 35
 - Other processors: 60

Mapping Information

- REST API Field: **orderInformation.shipTo.address2**
- SCMP API Field: **ship_to_address2**
- Simple Order API Field: **shipTo_street2**

orderInformation. shipTo.administrativeArea

State of the shipping address.

Specifications

- Data Type: String
- Data Length: 80

Mapping Information

- REST API Field: **orderInformation.shipTo.administrativeArea**
- SCMP API Field: **ship_to_state**
- Simple Order API Field: **shipTo_state**

orderInformation.shipTo.buildingNumber

Building number in the street address.

Example: The building number is **187** in the following address:

Rua da Quitanda **187**

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.shipTo.buildingNumber**
- SCMP API Field: **ship_to_building_number**
- Simple Order API Field: **shipTo_buildingNumber**

orderInformation.shipTo.buildingNumber

Building number in the street address.

Example: The building number is **187** in the following address:

Rua da Quitanda **187**

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.shipTo.buildingNumber**
- SCMP API Field: **ship_to_building_number**
- Simple Order API Field: **shipTo_buildingNumber**

orderInformation.shipTo.country

Country of the shipping address.

Use two-character ISO standard country codes. See [ISO Standard Country Codes](#).

This field is available only on the FDC Nashville Global, RBS WorldPay Atlanta, and Worldpay VAP processors.

These processors have specific requirements:

Payments Processing

FDC Nashville Global: If you include the `orderInformation.shipTo.country` field in a request and if the ship-to country is the U.S. or Canada, the request must also include the `orderInformation.shipTo.administrativeArea` field.

RBS WorldPay Atlanta: If you do not provide this value, the `orderInformation.billTo.country` value is used. If you do not provide either of these values, the default value of `US` is used.

Worldpay VAP: If this value is not included in the request, the `orderInformation.billTo.country` value from the authorization request is used.

Tax Calculation

This field is optional for US, Canadian, international, and value-added taxes. Billing address objects will be used to determine the cardholder's location when `orderInformation.shipTo.countryshipTo` objects are not present.

When is not included in the request and the service defaults to `orderInformation.billTo.country`, the value for `orderInformation.shipTo.country` is left blank in the Tax Detail Report

When `orderInformation.shipTo.country` is not included in the request and the service defaults to `orderInformation.shipTo.country`, the value for `orderInformation.shipTo.country` is left blank in the Tax Detail Report.

This field is used for Tax Calculation only when the `orderInformation.shipTo.locality` and `orderInformation.shipTo.administrativeArea` fields are present.

Specifications

- Data Type: Request
- Data Format: String
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.shipTo.country**
- SCMP API Field: **ship_to_country**
- Simple Order API Field: **shipTo_country**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Chase Paymentech Solutions: Destination Country Code
- Elavon Americas: Destination Country Code
- FDC Compass: Destination Country Code
- FDC Nashville Global: Destination Country
- FDMS South: Does not apply
- GPN: Destination Country Code
- OmniPay Direct: Destination Country Code
- RBS WorldPay Atlanta: Destination Country Code
- TSYS Acquiring Solutions: Destination Country Code
- Worldpay VAP: destinationCountryCode

orderInformation. shipTo.administrativeArea

County of the shipping address.

Specifications

- Data Type: String
- Data Length: 80

Mapping Information

- REST API Field: **orderInformation.shipTo.administrativeArea**
- SCMP API Field: **ship_to_county**
- Simple Order API Field: **shipTo_county**

orderInformation. shipTo.destinationCode

Indicates destination chosen for the transaction.

Possible values:

- **01**: Ship to cardholder billing address.
- **02**: Ship to another verified address on file with merchant.

- **03**: Ship to address that is different than billing address.
- **04**: Ship to store (store address should be populated on request).
- **05**: Digital goods.
- **06**: Travel and event tickets, not shipped.
- **07**: Other.

Specifications

- Data Type: Integer
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.shipTo.destinationCode**
- SCMP API Field: **ship_to_destination_code**
- Simple Order API Field: **shipTo_destinationCode**

orderInformation. shipTo.destinationTypes

Shipping destination.

Example: Commercial, residential, store.

Specifications

- Data Type: String
- Data Length: 25

Mapping Information

- REST API Field: **orderInformation.shipTo.destinationTypes**
- SCMP API Field: **ship_to_destination_types**
- Simple Order API Field: **shipTo_destinationTypes**

orderInformation. shipTo.district

Neighborhood, community, or region within a city or municipality.

Specifications

- Data Type: String
- Data Length: 50

Mapping Information

- REST API Field: **orderInformation.shipTo.district**
- SCMP API Field: **ship_to_district**
- Simple Order API Field: **shipTo_district**

orderInformation. shipTo.email

Email address of the recipient, including full domain name.

Format: name@host.domain

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **orderInformation.shipTo.email**
- SCMP API Field: **ship-to-email**
- Simple Order API Field: **shipTo_email**

orderInformation. shipTo.firstName

First name of the person receiving the shipment.

The field is available for these processors: AIBMS, American Express , American Express Direct, Asia, Middle East, and Africa Gateway, Atos, Bank of America ACH, Banque de France et Tresor Public, Barclays, BNP Paribas France, Chase Paymentech Solutions, Chase Paymentech Tandem, China UnionPay, Cielo, Citibank India, Comercio Latino, Credit Mutuel-CIC, Cybersource ACH Service, Cybersource Latin American Processing, Elavon, Elavon Americas, FDC Compass, FDC Germany, FDC Nashville Global, FDI Australia, FDMS Nashville, FDMS South, First Data Merchant Solutions, Getnet, GPN, HBoS, HSBC, JCN Gateway, Korean Cyber Payments, Lloyds-OmniPay, LloydsTSB Cardnet, Lynk, Moneris, OmniPay Direct, PayEase China Processing, Prosa, RBS WorldPay Atlanta, Rede, RuPay, SIX, Software Express, Streamline, TeleCheck, UATP, ValueLink, Vero, TSYS Acquiring Solutions, Visa Platform Connect, Worldpay VAP, Wells Fargo ACH.

Specifications

- Data Type: Request
- Data Format: String
- Data Length

- Worldpay VAP: 35
- Other processors: 60

Mapping Information

- REST API Field: **orderInformation.shipTo.firstName**
- SCMP API Field: **ship_to_firstname**
- Simple Order API Field: **shipTo_firstName**

orderInformation. shipTo.lastName

Last name of the person receiving the shipment.

The field is available for these processors: AIBMS, American Express , American Express Direct, Asia, Middle East, and Africa Gateway, Atos, Bank of America ACH, Banque de France et Tresor Public, Barclays, BNP Paribas France, Chase Paymentech Solutions, Chase Paymentech Tandem, China UnionPay, Cielo, Citibank India, Comercio Latino, Credit Mutuel-CIC, Cybersource ACH Service, Cybersource Latin American Processing, Elavon, Elavon Americas, FDC Compass, FDC Germany, FDC Nashville Global, FDI Australia, FDMS Nashville, FDMS South, First Data Merchant Solutions, Getnet, GPN, HBoS, HSBC, JCN Gateway, Korean Cyber Payments, Lloyds-OmniPay, LloydsTSB Cardnet, Lynk, Moneris, OmniPay Direct, PayEase China Processing, Prosa, RBS WorldPay Atlanta, Rede, RuPay, SIX, Software Express, Streamline, TeleCheck, UATP, ValueLink, Vero, TSYS Acquiring Solutions, Visa Platform Connect, Worldpay VAP, Wells Fargo ACH.

Specifications

- Data Type: Request
- Data Format: String
- Data Length
 - Worldpay VAP: 35
 - Other processors: 60

Mapping Information

- REST API Field: **orderInformation.shipTo.lastName**
- SCMP API Field: **ship_to_lastname**
- Simple Order API Field: **shipTo_lastname**

orderInformation. shipTo.locality

City of the shipping address.

When the field is not included in the request and the service defaults to the **orderInformation.billTo.locality** field, and the value for this field is left blank in the Tax Detail Report.

Tax Calculation

The value in this field is used for tax calculations only when the orderInformation.shipTo.administrativeArea and orderInformation.shipTo.country API fields are present.

This field is available only on these processors: AIBMS, American Express , American Express Direct, Asia, Middle East, and Africa Gateway, Atos, Bank of America ACH, Banque de France et Tresor Public, Barclays, BNP Paribas France, Chase Paymentech Solutions, Chase Paymentech Tandem, China UnionPay, Cielo, Citibank India, Comercio Latino, Credit Mutuel-CIC, Cybersource ACH Service, Cybersource Latin American Processing, Elavon, Elavon Americas, FDC Compass, FDC Germany, FDC Nashville Global, FDI Australia, FDMS Nashville, FDMS South, First Data Merchant Solutions, Getnet, GPN, HBoS, HSBC, JCN Gateway, Korean Cyber Payments, Lloyds-OmniPay, LloydsTSB Cardnet, Lynk, Moneris, OmniPay Direct, PayEase China Processing, Prosa, RBS WorldPay Atlanta, Rede, RuPay, SIX, Software Express, Streamline, TeleCheck, UATP, ValueLink, Vero, TSYS Acquiring Solutions, Visa Platform Connect, Worldpay VAP, Wells Fargo ACH.

Specifications

- Data Type: String
- Data Length: 40

Mapping Information

- REST API Field: **orderInformation.shipTo.locality**
- SCMP API Field: **ship_to_city**
- Simple Order API Field: **shipTo_city**

orderInformation. shipTo.phoneNumber

Phone number for the shipping address.

This field is available only on the FDC Compass processor.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.shipTo.phoneNumber**

- SCMP API Field: **ship_to_phone**
- Simple Order API Field: **shipTo_phoneNumber**

orderInformation.shipTo.postalCode

Postal code for the shipping address.
The postal code consists of 5 to 9 digits.

- Canadian postal code: The six-digit format is [alpha][numeric][alpha][space] [numeric] [alpha][numeric]
Example: A1B 2C3
- US postal code: The nine-digit format is [5 digits][dash][4 digits].
Example: 12345-6789

Tax Calculation

When the orderInformation.shipTo.postalCode field is not included in the request and the service defaults to orderInformation.billTo.postalCode, the value for the orderInformation.shipTo.postalCode field is left blank in the Tax Detail Report.

When the postal code for the shipping address is not included in the request message, the postal code for the billing address is used for Tax Calculation. When the postal code for the billing address is not included in the request message, the postal code for the shipping address is required.

This field is available only on these processors: American Express Direct, Chase Paymentech Solutions, Elavon Americas, FDC Compass, FDC Nashville Global, FDMS Nashville, FDMS South, GPN, OmniPay Direct, RBS WorldPay Atlanta, TSYS Acquiring Solutions, Visa Platform Connect, and Worldpay VAP.

These processors have specific requirements:

American Express Direct

Before sending the postal code to the processor, all non-alphanumeric characters are removed. When the remaining value is longer than nine characters, the value is truncated starting from the right side.

The postal code is required for Level II processing in the US and US territories. When you do not include this field in the request, the value for the orderInformation.billTo.postalCode field

Chase Paymentech Solutions, Elavon Americas, FDC Compass, FDC Nashville Global, OmniPay Direct, TSYS Acquiring Solutions, Visa Platform Connect, and Worldpay VAP

FDC Nashville Global, FDMS Nashville, FDMS South, and RBS WorldPay Atlanta

Worldpay VAP

is used. When you do not include either field, the value in your account is used.

This value is the same as the value for `orderInformation.shippingDetails.shipFromPostalCode` when your customer takes possession of the items at your location.

If the postal code for the shipping address is not included in the request message, the postal code for the billing address is used. If the postal code for the billing address is not included in the request message, the postal code for the shipping address is required.

It is recommended that this value not exceed 10 characters. If this value is not included in the request, the `orderInformation.billTo.postalCode` value from the authorization request is used.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: `orderInformation.shipTo.postalCode`
- SCMP API Field: `ship_to_zip`
- Simple Order API Field: `shipTo_postalCode`

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply
- Chase Paymentech Solutions: Destination ZIP/Postal Code
- Elavon Americas: Destination ZIP/Postal Code
- FDC Compass: Destination ZIP/Postal Code
- FDC Nashville Global: Destination ZIP
- FDMS Nashville: Does not apply
- FDMS South: Does not apply
- GPN: Destination Postal/ZIP Code
- OmniPay Direct: Destination Postal/ZIP Code
- RBS WorldPay Atlanta: Destination ZIP

- TSYS Acquiring Solutions: Destination Postal/ZIP Code
- Visa Platform Connect: shipToAddress
- Worldpay VAP: destinationPostalCode

orderInformation.shipTo.address1

First line of the shipping address.

When **orderInformation.shipTo.address1** is not included in the request and the service defaults to **orderInformation.billTo.address1**, the value for **orderInformation.shipTo.address1** is left blank in the Tax Detail Report.

Specifications

- Data Type: Request
- Data Format: String
- Data Length: 60
- Data Length:
 - Worldpay VAP: 35
 - All other processors: 60

Mapping Information

- REST API Field: **orderInformation.shipTo.address1**
- SCMP API Field: **ship_to_address1**
- Simple Order API Field: **shipTo_street1**

orderInformation.shipTo.address2

Second line of the shipping address.

Specifications

- Data Type: Request
- Data Format: String
- Data Length: 60
- Data Length:
 - Worldpay VAP: 35
 - All other processors: 60

Mapping Information

- REST API Field: **orderInformation.shipTo.address2**
- SCMP API Field: **ship_to_address2**
- Simple Order API Field: **shipTo_street2**

orderInformation.taxableAmount

Total amount of all taxable amounts.

This value is the sum of the values for all the

`orderInformation.lineItems[].taxDetails[].amount` fields.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.taxableAmount**
- SCMP API Field: **tax_total_taxable_amount**
- Simple Order API Field: **taxReply_totalTaxableAmount**

orderInformation.taxAmount

Total tax for all items.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.taxAmount**
- SCMP API Field: **tax_total_tax**
- Simple Order API Field: **taxReply_totalTaxAmount**

orderInformation.taxDetails[].amount

Total amount of applicable taxes (city, county, national, special, state). This value is the sum of the values for all the applicable tax fields.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **orderInformation.taxDetails[].amount**
 - **orderInformation.taxDetails[].type = "city"**
 - **orderInformation.taxDetails[].type = "county"**
 - **orderInformation.taxDetails[].type = "national"**
 - **orderInformation.taxDetails[].type = "special"**
 - **orderInformation.taxDetails[].type = "state"**
- SCMP API Fields:
 - **tax_total_city_tax**
 - **tax_total_country_tax**
 - **tax_total_county_tax**
 - **tax_total_special_tax**
 - **tax_total_state_tax**
- Simple Order API Fields:
 - **taxReply_totalCityTaxAmount**
 - **taxReply_totalCountryTaxAmount**
 - **taxReply_totalCountyTaxAmount**
 - **taxReply_totalSpecialTaxAmount**
 - **taxReply_totalStateTaxAmount**

orderInformation.taxDetails[].type

The type of tax.

This field can be set to the following values:

- city
- county
- national
- special

- state

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Fields: **orderInformation.taxDetails[].type**
- Simple Order API Field: No corresponding field.

orderInformation. totaloffersCount

Total number of items in the order.

Possible values: 00 - 99.

This field is available for processing secure transactions in France using the Banque de France et Tresor Public, BNP Paribas France, and Credit Mutuel-CIC processors.

Specifications

- Data Type: Integer
- Data Length: 2

Mapping Information

- REST API Field: **orderInformation.totaloffersCount**
- SCMP API Field: **total_offers_count**
- Simple Order API Fields:
 - **ccAuthService_totaloffersCount**
 - **payerAuthEnrollService_totalOffersCount**

order

The following fields provide order information.

order.orderDiscountAmountSign

Flag that indicates whether the invoice level discount amount should be interpreted as negative or positive.

Possible values:

- **negative**: discount amount is considered as a discount refund for the invoice.
- **positive**: discount amount is considered as a discount for the invoice.

This field relates to the value in the **order.orderDiscountAmount** field.

This field is available only on the Visa Platform Connect processor.

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

- REST API Field: **order.orderDiscountAmountSign**
- SCMP API Field: **order_discount_amount_sign**
- Simple Order API Field: **purchaseTotals_discountAmountSign**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Visa Platform Connect: \ discountAmountSign

order.vatTaxAmountSign

Flag that indicates if the VAT tax amount should be interpreted as positive or negative.
Possible values:

- **negative**: VAT amount is negative in the invoice.
- **positive**: VAT amount is positive in the invoice.

A positive VAT tax amount reduces the amount of the invoice.

This field is related to the value in the

orderInformation.amountDetails.taxDetails[].amount field.

This field is available only on the Visa Platform Connect processor.

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

- REST API Field: **order.vatTaxAmountSign**
- SCMP API Field: **vat_tax_amount_sign**
- Simple Order API Field: **otherTax_vatTaxAmountSign**

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- Visa Platform Connect: vatTaxAmountSign

organizationInformation

The following fields provide information about the organization.

organizationInformation. businessInformation. address. address1

First line of the merchant street address.

This field is not required when you are using the **ADDPRODUCT** boarding flow.

Syntax

```
{
  "organizationInformation": {
    "businessInformation": {
      "address": {
        "address1": "123 Baker St"
      }
    }
  }
}
```

The value of this field must conform to this regular expression:

```
^[\\u00C0-\\u00D6\\u00D8-\\u00F6\\u00F8-\\u01FFa-zA-Z0-9()\\.\\-\\_#\\./@$:!% ]{1,}$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 60

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. address. address2

Second line of the merchant street address.

Syntax

```
{
  "organizationInformation": {
    "businessInformation": {
      "address": {
        "address2": "Unit 1"
      }
    }
  }
}
```

The value of this field must conform to this regular expression:

```
^[\\u00C0-\\u00D6\\u00D8-\\u00F6\\u00F8-\\u01FFa-zA-Z0-9()\\.\\-\\_#\\.;/@$!% ]{1,}$
```

Specifications

- Data Type: String
- Minimum Data Length: 0
- Maximum Data Length: 60

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. address. administrativeArea

State or province of the merchant. Required for Australia, US, and Canada.

Syntax

```
{
  "organizationInformation": {
    "businessInformation": {
      "address": {
        "administrativeArea": "CA"
      }
    }
  }
}
```

The value of this field must conform to this regular expression:

```
^[0-9a-zA-Z\\u00A1-\\uFFFF ]*$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 50

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. address. country

The country in which the merchant resides.

This field is not required when you are using the **ADDPRODUCT** boarding flow.

Use the ISO Alpha-2 country code described in the ISO 3166 standard.

For more information, see: <https://www.iso.org/iso-3166-country-codes.html>

Syntax

```
{
  "organizationInformation": {
    "businessInformation": {
      "address": {
        "country": "US"
      }
    }
  }
}
```


The value of this field must conform to this regular expression:

```
^[a-zA-Z]*$
```

Specifications

- Data Type: String
- Minimum Data Length: 2
- Maximum Data Length: 2

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. address. locality

City in which the merchant resides.

This field is not required when you are using the `ADDPRODUCT` boarding flow.

Syntax

```
{
  "organizationInformation": {
    "businessInformation": {
      "address": {
        "locality": "San Francisco"
      }
    }
  }
}
```

The value of this field must conform to this regular expression:

```
^[0-9a-zA-Z _\-\.\'\u00A1-\uFFFF]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 50

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. address. postalCode

Postal code for the merchant billing address.

Syntax

```
{  
  "organizationInformation": {  
    "businessInformation": {  
      "address": {  
        "postalCode": "12345"  
      }  
    }  
  }  
}
```

The value of this field must conform to this regular expression:

```
^[0-9a-zA-Z]*$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 20

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. businessContact. firstName

First name of the merchant business contact.

Syntax

```
{  
  "organizationInformation": {  
    "businessInformation": {
```

```

    "businessContact": {
      "firstName": "John"
    }
  }
}
}
}

```

The value of this field must conform to this regular expression:

```
^[0-9a-zA-Z_\\-\\+\\.\\|\\*\\|\\'\\/\\&\\,\\(\\)\\!\\$;:~@\\#\\u00A1-\\uFFFF]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 50

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. businessContact. lastName

Last name of the merchant business contact.

Syntax

```

{
  "organizationInformation": {
    "businessInformation": {
      "businessContact": {
        "lastName": "Schmidt"
      }
    }
  }
}
}

```

The value of this field must conform to this regular expression:

```
^[0-9a-zA-Z_\\-\\+\\.\\|\\*\\|\\'\\/\\&\\,\\(\\)\\!\\$;:~@\\#\\u00A1-\\uFFFF]+$
```

Specifications

- Data Type: String

- Minimum Data Length: 1
- Maximum Data Length: 50

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. businessContact. middleName

Middle name of the merchant business contact.

Syntax

```
{
  "organizationInformation": {
    "businessInformation": {
      "businessContact": {
        "middleName": "Jacob"
      }
    }
  }
}
```

The value of this field must conform to this regular expression:

```
^[0-9a-zA-Z_\\-\\+\\.\\*\\|\\'\\/\\&\\,\\(\\)!$;:~@\\#\\u00A1-\\uFFFF]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 0
- Maximum Data Length: 50

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. businessContact. phoneNumber

Phone number of the merchant business contact.

Syntax

```
{  
  "organizationInformation": {  
    "businessInformation": {  
      "businessContact": {  
        "phoneNumber": "4564561234"  
      }  
    }  
  }  
}
```

The value of this field must conform to this regular expression:

```
^[0-9a-zA-Z\\+\\-]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 20

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. businessContact. email

Email address of the business contact, including the full domain name, such as `jdoe@example.com`.

Syntax

```
{  
  "organizationInformation": {
```

```

"businessInformation": {
  "businessContact": {
    "email": "jdoe@example.com."
  }
}
}
}
}

```

The syntax must conform to this regular expression:

```

^([a-zA-Z0-9_\\-\\.]+)@((\\[[0-9]{1,3}\\.[0-9]{1,3}\\.[0-9]{1,3}\\.|)(((a-zA-Z0-9\\-+\\.)+)))([a-zA-Z]{2,50}|[0-9]{1,3})(\\)?)$

```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 100

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. description

Description of the merchant.

Syntax

```

{
  "organizationInformation": {
    "description": [
      "international food restaurant"
    ]
  }
}

```

The value of this field must conform to this regular expression:

```

^[\\u00C0-\\u00D6\\u00D8-\\u00F6\\u00F8-\\u01FF\\u00C0-\\u00D6\\u00D8-\\u00F6\\u00F8-\\u01FF\\n\\ra-zA-Z0-9()\\.\\-\\_#\\;\\/\\\\\\@$&!%\\u00AB\\u00BB\\u20AC\\u20A3\\u00AB\\u00BB\\u20AC\\u20A3 ]{1,}$

```

Specifications

- Data Type: String

- Minimum Data Length: 0
- Maximum Data Length: 250

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. doingBusinessAs

The pseudonym, if one applies, for the merchant.

Syntax

```
{
  "organizationInformation": {
    "doingBusinessAs": [
      "Betos"
    ]
  }
}
```

The value of this field must conform to this regular expression:

```
^[0-9a-zA-Z _\-\+\|\.\|*\|\'/\'&\|,\|(\|)!$::?@\|#\\u00A1-\\uFFFF]+&
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 60

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. emergencyContact. email

Email address of the merchant's emergency contact, including the full domain name.

Syntax

```
{
  "organizationInformation": {
    "businessInformation": {
      "emergencyContact": {
        "email": "jsmith@example.com"
      }
    }
  }
}
```

The syntax must conform to this regular expression:

```
^[a-zA-Z0-9_\-\.]+\@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.)(\([a-zA-Z0-9\-\]+\.\)))([a-zA-Z]{2,50}|[0-9]{1,3})(\?)?$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 100

Mapping Information

No corresponding fields.

organizationInformation.
businessInformation. emergencyContact.
firstName

First name of the merchant's emergency contact.

Syntax

```
{
  "organizationInformation": {
    "businessInformation": {
      "emergencyContact": {
        "firstName": "John"
      }
    }
  }
}
```


The syntax must conform to this regular expression:

```
^[0-9a-zA-Z _\-\+\.\*\|\\"/'&\,\,\(\)\!$,:;\#@#\u00A1-\uFFFF]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 50

Mapping Information

No corresponding fields.

organizationInformation.
businessInformation. emergencyContact.
lastName

Last name of the merchant's emergency contact.

Syntax

```
{
  "organizationInformation": {
    "businessInformation": {
      "emergencyContact": {
        "lastName": "Smith"
      }
    }
  }
}
```

The syntax must conform to this regular expression:

```
^[0-9a-zA-Z _\-\+\.\*\|\\"/'&\,\,\(\)\!$,:;\#@#\u00A1-\uFFFF]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 50

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. emergencyContact. middleName

Middle name of the merchant's emergency contact.

Syntax

```
{
  "organizationInformation": {
    "businessInformation": {
      "emergencyContact": {
        "middleName": "Steven"
      }
    }
  }
}
```

The syntax must conform to this regular expression:

```
^[0-9a-zA-Z_\\-\\+\\.\\*\\|\\'\\/\\&\\,\\(\\)\\!\\$\\.\\:;?@\\#\\u00A1-\\uFFFF]+
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 50

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. emergencyContact. phoneNumber

Phone number of the merchant's emergency contact.

Syntax

```
{
```

```
"organizationInformation": {
  "businessInformation": {
    "emergencyContact": {
      "phoneNumber": "4564561234"
    }
  }
}
```

The syntax must conform to this regular expression:

```
^[0-9a-zA-Z\+\-\]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 20

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. merchantCategoryCode

A 4-digit code that is used to classify the business by its goods and services. This number is assigned by the merchant acquiring bank.

Syntax

```
{
  "organizationInformation": {
    "businessInformation": {
      "merchantCategoryCode": "1234"
    }
  }
}
```

The syntax must conform to this regular expression:

```
^\d{3,4}$
```

Specifications

- Data Type: String
- Minimum Data Length: 3
- Maximum Data Length: 4

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. name

Actual name of the merchant's business.

Syntax

```
{
  "organizationInformation": {
    "name": [
      "Betos Restaurant"
    ]
  }
}
```

The value of this field must conform to this regular expression:

```
^[0-9a-zA-Z _\-\+\.\*\\"/'&\,\(\)!$;:?\@\#\#j-]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 60

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. phoneNumber

Phone number of the merchant.

Syntax

```
{
  "organizationInformation": {
    "businessInformation": {
      "phoneNumber": "4564561234"
    }
  }
}
```

The value of this field must conform to this regular expression:

```
^[0-9a-zA-Z\\+\\-]+$
```

Specifications

- Data Type: String
- Maximum Data Length: 20

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. technicalContact. email

Email address of the technical contact, including the full domain name, such as jdoe@example.com.

Syntax

```
{
  "organizationInformation": {
    "businessInformation": {
      "technicalContact": {
        "email": "jsmerth@example.com"
      }
    }
  }
}
```

The syntax must conform to this regular expression:

```
^([a-zA-Z0-9_\\-\\.]+)@((\\[[0-9]{1,3}\\.[0-9]{1,3}\\.[0-9]{1,3}\\.|)(((a-zA-Z0-9\\-]+\\.)+))([a-zA-Z]{2,50}|[0-9]{1,3})(\\)?)$
```

Specifications

- Data Type: String
- Maximum Data Length: 100

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. technicalContact. firstName

First name of the merchant's technical contact.

Syntax

```
{
  "organizationInformation": {
    "businessInformation": {
      "technicalContact": {
        "firstName": "Jennifer"
      }
    }
  }
}
```

The syntax must conform to this regular expression:

```
^[0-9a-zA-Z_\\-\\+\\.\\*\\|\\'\\/\\&\\,\\(\\)\\!\\$\\:;?@\\#\\u00A1-\\uFFFF]+
```

Specifications

- Data Type: String
- Maximum Data Length: 50

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. technicalContact. lastName

Last name of the merchant's technical contact.

Syntax

```
{
  "organizationInformation": {
    "businessInformation": {
      "technicalContact": {
        "lastName": "Smerth"
      }
    }
  }
}
```

The syntax must conform to this regular expression:

```
^[0-9a-zA-Z _\-\|\+\\.\\*\\\'/\'&\\,\\(\\)!$,:;@\\#\\u00A1-\\uFFFF]+$
```

Specifications

- Data Type: String
- Maximum Data Length: 50

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. technicalContact. middleName

Middle name of the merchant's technical contact.

Syntax

```
{
  "organizationInformation": {
```

```

"businessInformation": {
  "technicalContact": {
    "middleName": "Stephanie"
  }
}
}
}
}

```

The syntax must conform to this regular expression:

```
^[0-9a-zA-Z _\-\+!\.\\*\\"/'&\,\,\(\)\!$,:?@\#\u00A1-\uFFFF]+$
```

Specifications

- Data Type: String
- Maximum Data Length: 50

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. technicalContact. phoneNumber

Phone number of the merchant's technical contact.

Syntax

```

{
  "organizationInformation": {
    "businessInformation": {
      "technicalContact": {
        "phoneNumber": "4564561234"
      }
    }
  }
}
}

```

The syntax must conform to this regular expression:

```
^[0-9a-zA-Z\+!\.\\*\\"/'&\,\,\(\)\!$,:?@\#\u00A1-\uFFFF]+$
```

Specifications

- Data Type: String

- Maximum Data Length: 20

Mapping Information

No corresponding fields.

organizationInformation. businessInformation.timeZone

Preferred time zone of the merchant.

Possible Values

America/Anchorage	Asia/Jerusalem	Europe/Belgrade
Africa/Cairo	Asia/Katmandu	Europe/Berlin
Africa/Johannesburg	Asia/Kuala_Lumpur	Europe/Brussels
Africa/Tripoli	Asia/Macao	Europe/Bucharest
Africa/Tunis	Asia/Magadan	Europe/Budapest
America/Bogota	Asia/Manila	Europe/Copenhagen
America/Buenos_Aires	Asia/Rangoon	Europe/Dublin
America/Chicago	Asia/Riyadh	Europe/Helsinki
America/Denver	Asia/Saigon	Europe/Istanbul
America/Edmonton	Asia/Seoul	Europe/Lisbon
America/Godthab	Asia/Shanghai	Europe/London
America/Halifax	Asia/Singapore	Europe/Madrid
America/Indianapolis	Asia/Taipei	Europe/Malta
America/La_Paz	Asia/Tbilisi	Europe/Minsk
America/Los_Angeles	Asia/Tokyo	Europe/Monaco
America/Mexico_City	Asia/Yakutsk	Europe/Moscow
America/New_York	Atlantic/Cape_Verde	Europe/Oslo
America/Noronha	Australia/Adelaide	Europe/Paris
America/Phoenix	Australia/Brisbane	Europe/Prague
America/Sao_Paulo	Australia/Broken_Hill	Europe/Riga
America/St_Johns	Australia/Darwin	Europe/Rome

America/Vancouver	Australia/Eucla	Europe/Stockholm
America/Winnipeg	Australia/Hobart	Europe/Vienna
Asia/Baku	Australia/Lindeman	Europe/Warsaw
Asia/Bangkok	Australia/Lord_Howe	Europe/Zurich
Asia/Calcutta	Australia/Melbourne	GMT
Asia/Dacca	Australia/Perth	Pacific/Auckland
Asia/Dubai	Australia/Sydney	Pacific/Honolulu
Asia/Hong_Kong	Europe/Amsterdam	Pacific/Norfolk
Asia/Jakarta	Europe/Athens	Pacific/Pago_Pago

Syntax

```
{
  "organizationInformation": {
    "businessInformation": {
      "timeZone": "America/Chicago"
    }
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

No corresponding fields.

organizationInformation. businessInformation. websiteUrl

URL of the merchant website.

Syntax

```
{
  "organizationInformation": {
    "businessInformation": {
      "websiteURL": "http://www.testwebsite.com"
    }
  }
}
```

}

The value of this field must conform to this regular expression:

```
\b(?:https?://www\d{0,3}[\.]?[a-z0-9.\-]+[.][a-z]{2,4})/?(?:^\s(<>)+|\\((^\s(<>)+|\\((^\s(<>)+\\)))*)\
\\)+(?:\\((^\s(<>)+|\\((^\s(<>)+\\)))*)\\|^\s!()\[\]\{\};:\'".,<?À«Â»â€œâ€ˆâ€™])
```

Specifications

- Data Type: String
- Minimum Data Length: 0
- Maximum Data Length: 100

Mapping Information

No corresponding fields.

organizationInformation.configurable

The one organization, with the exception of TRANSACTING types, that may be used for product configuration.

Possible Values

- **true**: Use this value for merchant organizations.
- **false** (default): Use this value to enable transacting and structural organizations.

Syntax

```
{
  "organizationInformation": {
    "configurable": [
      "TRUE"
    ]
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

No corresponding fields.

organizationInformation. organizationId

The ID assigned to the merchant during the boarding process.

This value cannot be changed. If this field is not set, a random ID is generated and applied. The organization ID must be unique across all customers and environments (production and sandbox).

Syntax

```
{
  "organizationInformation": {
    "organizationId": [
      "merchant-test1"
    ]
  }
}
```

The value of this field must conform to this regular expression:

```
^[0-9a-zA-Z_]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 6
- Maximum Data Length: 30

Mapping Information

No corresponding fields.

organizationInformation. parentOrganizationId

The ID of the parent organization for the boarding merchant.

Syntax

```
{
  "organizationInformation": {
    "parentOrganizationId": [
      "bestcompanies"
    ]
  }
}
```

```
}
```

The value of this field must conform to this regular expression:

```
^[0-9a-zA-Z_]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 6
- Maximum Data Length: 30

Mapping Information

No corresponding fields.

organizationInformation. status

Determines the status of the merchant after they are boarded.

Possible Values

- **DRAFT**: Use this setting to indicate the draft status of the merchant.
- **LIVE**: Use this setting in the production (live) environment.
- **TEST**: Use this setting in the CAS (sandbox) environment.

Syntax

```
{  
  "organizationInformation": {  
    "status": [  
      "LIVE"  
    ]  
  }  
}
```

Specifications

- Data Type: String
- Minimum Data Length: 4
- Maximum Data Length: 5

Mapping Information

No corresponding fields.

organizationInformation.type

Determines the type of merchant that is applied during the boarding process.

Possible Values

- `MERCHANT`
- `STRUCTURAL`
- `TRANSACTING`

Syntax

```
{  
  "organizationInformation": {  
    "configurable": [  
      "MERCHANT"  
    ]  
  }  
}
```

Specifications

- Data Type: String
- Minimum Data Length: 6
- Maximum Data Length: 30

Mapping Information

No corresponding fields.

p2peConfirmation

Status of the point-to-point encryption (P2PE) confirmation from the merchant. The confirmation status is recorded only if the **p2peStatus** field is set to **Enabled**. Valid values:

- **Pending**: Merchant has not yet confirmed the P2PE status.
- **Confirmed**: Merchant has confirmed the P2PE status.
- **Rejected**: Merchant has rejected the P2PE status.

Specifications

- Data Type: Enum of string
- Data Length: Pre-defined values

Mapping Information

- REST API Field: **p2peConfirmation**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

p2peConfirmationDateInUTC

Point-to-point encryption (P2PE) confirmation timestamp in UTC format.

Format: yyyy-MM-DDThh:mm:ssZ

The P2PE confirmation timestamp is recorded only if the **p2peConfirmation** field is set to **Confirmed**.

Example: `2021-08-11T22:47:57Z` equals August 11, 2021, at 22:47:57 (10:47:57 p.m.). The T separates the date and the time. The Z indicates UTC.

Specifications

- Data Type: String (date/time)
- Data Length: Formatted value

Mapping Information

- REST API Field: **p2peConfirmationDateInUTC**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

p2peStatus

Status of the point-to-point encryption (P2PE) for the terminal.

Valid values:

- Enabled
- Disabled

Specifications

- Data Type: Enum of string
- Data Length: Pre-defined values

Mapping Information

- REST API Field: **p2peStatus**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

partName

Point of Sale (POS) device name.

When sending a transaction request, you must send either the **partName** field or both the **make** and **model** fields.

The following values can be used:

- **INGENICO LANE 3000**
- **INGENICO LANE 5000**
- **INGENICO LINK 2500**
- **PAX Aries 6**
- **PAX Aries 8**
- **PAX A60**
- **PAX A80**
- **PAX A920**
- **PAX D135**
- **PAX E600**
- **PAX E700**
- **PAX E800**
- **PAX E800 lite**
- **PAX SP30**
- **PAX S80**
- **PAX S300**
- **Verifone E355**
- **Verifone M400**
- **Verifone P400**

Specifications

- Data Type: String
- Data Size: Pre-defined values

Mapping Information

- REST API Field: **partName**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

paymentAccountInformation

The following fields provide payment account information.

paymentAccountInformation. card.accountType

Type of payment credential.

If you have questions about this field, contact customer support.

Visa and Discover

Possible values:

- **PAN**: Full payment card number
- **TOKEN**: Network token

Mastercard

Due to BIN source information, the value **TOKEN** is returned to indicate that the BIN range is tokenizable and not whether the payment credential is the PAN or a token.

Possible value:

- **TOKEN**: Indicates that the payment card can be tokenized.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

No corresponding fields.

paymentAccountInformation. card.brandName

Card brand name.

The brand name corresponds to the three-digit card type.

Specifications

- Data Type: String
- Data Length: 20

Mapping Information

No corresponding fields.

paymentAccountInformation. card.brands.brandName

Card brand name.

The brand name corresponds to the three-digit card type. This field is returned in the `brands[]` array with the `paymentAccountInformation.card.brands.type` field when the card is co-branded with a local brand, such as China UnionPay, mada, or RuPay and a global brand, such as Visa or Mastercard.

Response example with the `brands[]` array:

```
{
  "paymentAccountInformation": {
    "card": {
      "type": "004",
      "brandName": "DISCOVER",
      "maxLength": "16",
      "currency": "CNY",
      "brands": [
        {
          "type": "004",
          "brandName": "DISCOVER"
        },
        {
          "type": "004",
          "brandName": "CHINA UNION PAY"
        }
      ]
    }
  }
}
```

Specifications

- Data Type: String
- Data Length: 20

Mapping Information

No corresponding fields.

paymentAccountInformation. card.brands.type

Three-digit value that indicates the card type.

This field is returned in the `brands[]` array with the

paymentAccountInformation.card.brands.brandName field when the card is co-branded with a local brand, such as China UnionPay, mada, or RuPay and a global brand, such as Visa or Mastercard.

Response example with the `brands[]` array:

```
{
  "paymentAccountInformation": {
    "card": {
      "type": "004",
      "brandName": "DISCOVER",
      "maxLength": "16",
      "currency": "CNY",
      "brands": [
        {
          "type": "004",
          "brandName": "DISCOVER"
        },
        {
          "type": "062",
          "brandName": "CHINA UNION PAY"
        }
      ]
    }
  }
}
```

Possible values:

- **001**: Visa
- **002**: Mastercard and Eurocard
- **003**: American Express
- **004**: Discover
- **005**: Diners Club
- **006**: Carte Blanche
- **007**: JCB

- **014**: EnRoute
- **021**: JAL
- **024**: Maestro (UK Domestic)
- **031**: Delta
- **033**: Visa Electron
- **034**: Dankort
- **036**: Cartes Bancaires
- **037**: Carta Si
- **039**: Encoded account number
- **040**: UATP
- **042**: Maestro (International)
- **050**: Hipercard
- **051**: Aura
- **054**: Elo
- **058**: Carnet
- **059**: ValueLink
- **061**: RuPay
- **062**: China UnionPay
- **066**: Banricompras

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

No corresponding fields.

paymentAccountInformation. card.credentialType

Type of payment credential.

If you have questions about this field, contact customer support.

Visa and Discover

Possible values:

- **PAN**: Full payment card number
- **TOKEN**: Network token

Mastercard

Due to BIN source information, the value **TOKEN** is returned to indicate that the BIN range is tokenizable and not whether the payment credential is the PAN or a token.

Possible value:

- **TOKEN**: Indicates that the payment card can be tokenized.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

No corresponding fields.

paymentAccountInformation. card.currency

Currency used for the card.

Three-character [ISO Standard Currency Codes](#).

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

No corresponding fields.

paymentAccountInformation. card.maxLength

Maximum length of the card number.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

No corresponding fields.

paymentAccountInformation. card.prepaidReloadableCode

Flag that indicates whether the prepaid card is reloadable.
This field is available only on theWorldpay VAP processor.

Possible values:

- **Yes**: Prepaid card is reloadable.
- **No**: Prepaid card is not reloadable.
- **Unknown**: Cannot be determined whether prepaid card is reloadable.

Specifications

- Data Type: String
- Data Length: 7

Mapping Information

- REST API Field: **paymentAccountInformation.card.prepaidReloadableCode**
- SCMP API Field: **card_prepaid_reloadable**
- Simple Order API Field: **card_prepaidReloadable**

paymentAccountInformation. card.type

Three-digit value that indicates the card type.

Possible values:

- **001**: Visa
- **002**: Mastercard and Eurocard
- **003**: American Express
- **004**: Discover
- **005**: Diners Club
- **006**: Carte Blanche
- **007**: JCB
- **014**: EnRoute
- **021**: JAL
- **024**: Maestro (UK Domestic)
- **031**: Delta
- **033**: Visa Electron
- **034**: Dankort
- **036**: Cartes Bancaires

- **037**: Carta Si
- **039**: Encoded account number
- **040**: UATP
- **042**: Maestro (International)
- **050**: Hipercard
- **051**: Aura
- **054**: Elo
- **058**: Carnet
- **059**: ValueLink
- **061**: RuPay
- **062**: China UnionPay
- **066**: Banricompras

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

No corresponding fields.

paymentAccountInformation. features. acceptanceLevel

Acceptance level of the primary account number (PAN).

Possible values:

- **0**: Normal
- **1**: Monitor
- **2**: Refuse
- **3**: Not allowed
- **4**: Private
- **5**: Test

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

No corresponding fields.

paymentAccountInformation. features. accountFundingSource

Funding source of the payment account.

Possible values:

- CHARGE
- CREDIT
- CREDIT OR DEBIT
- DEBIT
- DEFERRED DEBIT
- PREPAID

Specifications

- Data Type: String
- Data Length: 20

Mapping Information

No corresponding fields.

paymentAccountInformation. features. accountFundingSourceSubType

Type of prepaid card.

This field is returned when the **accountFundingSource** field value is **PREPAID**.

Possible values:

- Non-reloadable
- Reloadable

Specifications

- Data Type: String
- Data Length: 20

Mapping Information

No corresponding fields.

paymentAccountInformation. features. cardPlatform

Payment card platform.

Possible values:

- BUSINESS
- COMMERCIAL
- CONSUMER
- GOVERNMENT

Specifications

- Data Type: String
- Data Length: 20

Mapping Information

No corresponding fields.

paymentAccountInformation. features. cardProduct

Type of issuer card product.

Examples:

- Visa Signature
- Visa Infinite
- Visa Classic

Specifications

- Data Type: String
- Data Length: 200

Mapping Information

No corresponding fields.

paymentAccountInformation.features.comboCard

Indicates the type of combo card.

Possible values:

- `0`: Not a combo card
- `1`: Credit and prepaid combo card
- `2`: Credit and debit combo card

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

No corresponding fields.

paymentAccountInformation.features.healthCard

This value indicates that a card number is a health card BIN.

Currently, this conditional field is supported only for Visa BINs.

Possible values:

- `true`
- `false`

Specifications

- Data Type: Boolean
- Data Length: 5

Mapping Information

- REST API Field: **paymentAccountInformation.features.healthCard**
- SCMP API Field: **health_card**
- Simple Order API Fields: **healthCard**

paymentAccountInformation.features.messageType

Type of BIN-based authentication.

Possible values:

- **S**: Single message
- **D**: Dual message

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

No corresponding fields.

paymentAccountInformation.network.id

Contains the code that identifies the network.

Possible values:

- **0**: Normal
- **1**: Monitor
- **2**: Refuse
- **3**: Not allowed
- **4**: Private
- **5**: Test

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

No corresponding fields.

paymentInformation

The following fields provide payment information.

paymentInformation.accountFeatures.accountStatus

Status of the account.

This field is available only on the Visa Platform Connect processor.

Possible values:

- **N**: Nonregulated
- **R**: Regulated

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **paymentInformation.accountFeatures.accountStatus**
- SCMP API Field: **payment_network_token_account_status**
- Simple Order API Field: **paymentNetworkToken_accountStatus**

paymentInformation.accountFeatures.accountType

Type of account.

This field is returned only when you request a balance inquiry.

Authorization

Possible values:

- **00**: Does not apply or not specified.
- **10**: Savings account.
- **20**: Checking account.
- **30**: Credit card account.
- **40**: Universal account.

PIN Debit

Possible values:

- **00**: Does not apply or not specified.
- **10**: Savings account.
- **20**: Checking account.
- **40**: Universal account.
- **96**: Cash benefits account.
- **98**: Food stamp account.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **paymentInformation.accountFeatures.accountType**
- SCMP API Fields:
 - **auth_account_type**
 - **pin_debit_purchase_account_type**
- Simple Order API Fields:
 - **ccAuthReply_accountType**
 - **pinDebitPurchaseReply_accountType**

paymentInformation. accountFeatures.affluenceIndicator

Flag indicating a customer of high income.

Chase Paymentech Solutions

Flag that indicates whether a customer has a high credit limit.

This field is returned for Visa, Mastercard, Discover, and Diners Club. It enables you to

market high cost items to these customers and to understand the kinds of cards that high income customers are using.

Possible values:

- **Y**: Yes, the customer has a high credit limit.
- **N**: No, the customer does not have a high credit limit.
- **X**: Does not apply / Unknown.

Worldpay VAP

Flag that indicates whether a Visa customer or Mastercard customer is in one of the affluent categories.

Possible values:

- **AFFLUENT**: High income customer with high spending pattern (>100k USD annual income and >40k USD annual card usage).
- **MASS AFFLUENT**: High income customer (>100k USD annual income).

Specifications

- Data Type: String
- Data Length:
 - Chase Paymentech Solutions: 1
 - Worldpay VAP: 13

Mapping Information

- REST API Field: **paymentInformation.accountFeatures.affluenceIndicator**
- SCMP API Field: **auth_affluence_indicator**
- Simple Order API Field: **ccAuthReply_affluenceIndicator**

paymentInformation.accountFeatures.balanceAmount

Remaining balance on the account or prepaid card.

Specifications

- Data type: String

- Data Length: 12

Mapping Information

- REST API Field: **paymentInformation.accountFeatures.balanceAmount**
- SCMP API Fields:
 - **auth_account_balance**
 - **pin_debit_purchase_auth_amount**
- Simple Order API Fields:
 - **ccAuthReply_accountBalance**
 - **pinDebitPurchaseReply_accountBalance**

paymentInformation.accountFeatures.balanceAmountType

Type of amount.

This field is returned only when you request a balance inquiry.

The issuer determines the value for this field.

Deposit Accounts

Possible values:

- **01**: Current ledger (posted) balance.
- **02**: Current available balance, which is typically the ledger balance minus outstanding authorizations. Some depository institutions also include pending deposits and the credit or overdraft line associated with the account.

Credit Card Accounts

Possible values:

- **01**: Credit amount remaining for customer (open to buy).
- **02**: Credit limit.

Specifications

- Type: String
- Length: 2

Mapping Information

- REST API Field: **paymentInformation.accountFeatures.balanceAmountType**

- SCMP API Fields:
 - **auth_amount_type**
 - **pin_debit_purchase_amount_type**
- Simple Order API Fields:
 - **ccAuthReply_amountType**
 - **pinDebitPurchaseReply_amountType**

paymentInformation. accountFeatures.balanceSign

Sign for the remaining balance on the account or prepaid card. This field is returned only when the processor sends this value. Possible values:

- positive
- negative

Specifications

- Type: String
- Length: 8

Mapping Information

- REST API Field: **paymentInformation.accountFeatures.balanceSign**
- SCMP API Fields:
 - **auth_account_balance_sign**
 - **pin_debit_purchase_account_balance_sign**
- Simple Order API Fields:
 - **ccAuthReply_accountBalanceSign**
 - **pinDebitPurchaseReply_accountBalanceSign**

paymentInformation. accountFeatures.category

Card type category.

GPN

Visa or Mastercard product ID.

Visa Platform Connect

Visa product ID.

RBS WorldPay Atlanta**Type of card used in the transaction.****Possible values:**

- **B**: Business card.
- **O**: Noncommercial card.
- **R**: Corporate card.
- **S**: Purchase card.
- **X^**: Visa B2B Virtual Payments
- **X1**: Flexible Rate B2B Virtual Program
- **Blank**: Purchase card not supported.

You must process the new values of **X^** for Visa B2B Virtual Payments and **X1** for Flexible Rate B2B Virtual Program returned in this field by VisaNet when you send the product ID for Virtual Payment products.

Worldpay VAP**Type of card used in the transaction.**

The only possible value is PREPAID, which specifies a prepaid card.

**Important**

Before using this field on Worldpay VAP, you must contact customer support to have your account configured for this feature.

Specifications

- Data Type: String
- Data Length:
 - GPN and Visa Platform Connect: 3
 - RBS WorldPay Atlanta: 7

Mapping Information

- REST API Field: **paymentInformation.accountFeatures.category**
- SCMP API Fields:
 - **auth_card_category**
 - **incremental_auth_card_category**
 - **payment_network_token_original_card_category**
- Simple Order API Fields:
 - **ccAuthReply_cardCategory**

- **ccIncrementalAuthReply_cardCategory**
- **paymentNetworkToken_originalCardCategory**

paymentInformation. accountFeatures.commercial

Flag that indicates whether the card is a commercial card.

This field is returned only for Visa and Mastercard payment cards processed by Chase Paymentech Solutions.

A commercial card enables you to include Level II data in a request.

Possible values:

- **Y**: Yes, the card is a commercial card.
- **N**: No, the card is not a commercial card.
- **X**: Does not apply / Unknown.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **paymentInformation.accountFeatures.commercial**
- SCMP API Field: **auth_card_commercial**
- Simple Order API Field: **ccAuthReply_cardCommercial**

paymentInformation. accountFeatures.currency

Currency of the remaining balance on the account prepaid card.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **paymentInformation.accountFeatures.currency**
- SCMP API Fields:

- **auth_account_balance_currency**
- **pin_debit_purchase_account_balance_currency**
- Simple Order API Fields:
 - **ccAuthReply_accountBalanceCurrency**
 - **pinDebitPurchaseReply_accountBalanceCurrency**

paymentInformation.accountFeatures.group

Type of commercial card.

This field is available only for the Visa Platform Connect processor.

Possible values:

- **B**: Business card.
- **R**: Corporate card.
- **S**: Purchasing card.
- **∅**: Noncommercial card.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **paymentInformation.accountFeatures.group**
- SCMP API Field: **auth_card_group**
- Simple Order API Field: **ccAuthReply_cardGroup**

paymentInformation.accountFeatures.healthCare

Flag that indicates whether the card is a healthcare card.

This field is available only for Visa and Mastercard payment cards processed by the Chase Paymentech Solutions processor.

Possible values:

- **Y**: Yes, the card is a healthcare card.
- **N**: No, the card is not a healthcare card.
- **X**: Does not apply / Unknown.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **paymentInformation.accountFeatures.healthCare**
- SCMP API Field: **auth_card_healthcare**
- Simple Order API Field: **ccAuthReply_cardHealthcare**

paymentInformation. accountFeatures.level3Eligible

This field indicates whether the card is eligible for Level III interchange fees. This information enables you to include Level III data in a request. This field is available only for Visa and Mastercard payment cards processed by the Chase Paymentech Solutions processor.

Possible values:

- **Y**: Yes, the card is eligible for Level III interchange fees.
- **N**: No, the card is not eligible for Level III interchange fees.
- **X**: Does not apply / Unknown.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **paymentInformation.accountFeatures.level3Eligible**
- SCMP API Field: **auth_card_level_3_eligible**
- Simple Order API Field: **ccAuthReply_cardLevel3Eligible**

paymentInformation. accountFeatures.payRoll

This field indicates whether the card is a payroll card. This field is available only for Visa, Discover, Diners Club, and JCB payment cards processed by the Chase Paymentech Solutions processor.

Possible values:

- **Y**: Yes, the card is a payroll card.
- **N**: No, the card is not a payroll card.
- **X**: Does not apply / Unknown.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **paymentInformation.accountFeatures.payRoll**
- SCMP API Field: **auth_card_payroll**
- Simple Order API Field: **ccAuthReply_cardPayroll**

paymentInformation. accountFeatures.pinlessDebit

This field indicates whether the card is supported for PINless debits.

This field is available only for Visa and Mastercard payment cards processed by the Chase Paymentech Solutions processor.

Possible values:

- **Y**: Yes, the card is supported for PINless debits.
- **N**: No, the card is not supported for PINless debits.
- **X**: Does not apply / Unknown.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **paymentInformation.accountFeatures.pinlessDebit**
- SCMP API Field: **auth_card_pinless_debit**
- Simple Order API Field: **ccAuthReply_cardPINlessDebit**

paymentInformation. accountFeatures.prepaid

This field indicates whether the card is a prepaid card.

This information enables you to determine when a gift card or prepaid card is presented for use when establishing a new recurring, installment, or deferred billing relationship.

Possible values:

- **Y**: Yes, the card is a prepaid card.
- **N**: No, the card is not a prepaid card.
- **X**: Does not apply / Unknown.

This field is available only for Visa, Mastercard, Discover, Diners Club, and JCB payment cards processed by the Chase Paymentech Solutions processor.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **paymentInformation.accountFeatures.prepaid**
- SCMP API Field: **auth_card_prepaid**
- Simple Order API Field: **ccAuthReply_cardPrepaid**

paymentInformation. accountFeatures.regulated

This field indicates whether the card is regulated according to the Durbin Amendment.

When a card is regulated according to the Durbin Amendment, it means that the issuer has assets that exceed 10B USD and is subject to price caps and interchange rules.

This field is available only for Visa, Mastercard, Discover, Diners Club, and JCB payment cards processed by the Chase Paymentech Solutions processor.

Possible values:

- **Y**: Yes, the card is regulated according to the Durbin Amendment.
- **N**: No, the card is not regulated according to the Durbin Amendment.
- **X**: Does not apply / Unknown.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **paymentInformation.accountFeatures.regulated**
- SCMP API Field: **auth_card_regulated**
- Simple Order API Field: **ccAuthReply_cardRegulated**

paymentInformation. accountFeatures.signatureDebit

This field indicates whether the card is a signature debit card.

This information enables you to alter the way an order is processed. For example, you might not want to reauthorize a transaction for a signature debit card, or you might want to perform reversals promptly for a signature debit card.

This field is available only for Visa, Mastercard, and Maestro (International) payment cards processed by the Chase Paymentech Solutions processor.

Possible values:

- **Y**: Yes, the card is a signature debit card.
- **N**: No, the card is not a signature debit card.
- **X**: Does not apply / Unknown.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **paymentInformation.accountFeatures.signatureDebit**
- SCMP API Field: **auth_card_signature_debit**
- Simple Order API Field: **ccAuthReply_cardSignatureDebit**

paymentInformation.bank.account. checkNumber

Check number.

Chase Paymentech Solutions	Optional.
Cybersource ACH Service	Not used.
TeleCheck	Strongly recommended on debit requests. Optional on credits.

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

- REST API Field: **paymentInformation.bank.account.checkNumber**
- SCMP API Field: **ecp_check_no**
- Simple Order API Field: **check_checkNumber**

paymentInformation.bank.account. checkTransactionCode

Process control transaction code of the check.

This code is included in the stop-payment inquiry. The check must be identified by a check number, but the process control transaction code can also help to identify the check. If a process control transaction code appears on a check, it is part of the MICR line to the right of the On-Us symbol immediately following the bank account number.

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

- REST API Field: **paymentInformation.bank.account.checkTransactionCode**
- SCMP API Field: **ecp_check_transaction_code**
- Simple Order API Field: **check_checkTransactionCode**

paymentInformation.bank.account. correctedAccountNumber

Corrected account number from the ACH verification service.

Specifications

- Data Type: String
- Data Length: 17

Mapping Information

- REST API Field: **paymentInformation.bank.account.correctedAccountNumber**
- SCMP API Field: **ecp_debit_corrected_account_number**
- Simple Order API Field: **ecDebitReply_correctedAccountNumber**

paymentInformation.bank.account.correctedRoutingnumber

Corrected routing number from the ACH verification service, which is described in ACH Verification.

Specifications

- Data Type: String
- Data Length: 9

Mapping Information

- REST API Field: **paymentInformation.bank.account.correctedRoutingnumber**
- SCMP API Field: **ecp_debit_corrected_routing_number**
- Simple Order API Field: **ecDebitReply_correctedRoutingNumber**

paymentInformation.bank.account.imageReferenceNumber

Image reference number associated with the check. You cannot include any special characters.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

- REST API Field: **paymentInformation.bank.account.imageReferenceNumber**
- SCMP API Field: **ecp_image_reference_number**
- Simple Order API Fields: **check_imageReferenceNumber**

paymentInformation.bank.accountName

Name used on the bank account.

You can use this field only when scoring a direct debit transaction.

Specifications

- Data Type: String
- Data Length: 30

Mapping Information

- REST API Field: **paymentInformation.bank.accountName**
- SCMP API Field: **bank_account_name**
- Simple Order API Field: **fundTransfer_accountName**

paymentInformation.bank.accountNumber

Customer's bank account number.

When processing encoded account numbers, use this field for the encoded account number.

When scoring a direct debit transaction, use this field if you do not or are not allowed to provide the International Bank Account Number (IBAN). Do not use the IBAN in this field. Use only the traditional account number information. For the IBAN, use **paymentInformation.bank.iban**.

Specifications

- Data Type: Non-negative integer (for e-check transactions); String (for all other transactions)
- Data Length: 17 (for e-check transactions); 30 (for all other transactions)

Mapping Information

- REST API Field: **paymentInformation.bank.accountNumber**
- SCMP API Fields:
 - **bank_account_#**

- **eCP_account_#**
- Simple Order API Fields:
 - **check_accountNumber**
 - **fundTransfer_accountNumber**

paymentInformation.bank.account.type

Account type.

Possible values:

- **C**: Checking.
- **G**: General ledger. This value is supported only on Wells Fargo ACH.
- **S**: Savings
- **X**: Corporate checking

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **paymentInformation.bank.account.type**
- SCMP API Field: **eCP-account-type**
- Simple Order API Field: **check_accountType**

paymentInformation.bank.address1

Address of the customer's bank.

You may use this field only when scoring a direct debit transaction.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **paymentInformation.bank.address1**
- SCMP API Field: **bank_address**
- Simple Order API Field: **bankInfo_address**

paymentInformation.bank.branchCode

Code used to identify the branch of the customer's bank.

Required for some countries if you do not or are not allowed to provide the IBAN. Use this field only when scoring a direct debit transaction.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **paymentInformation.bank.branchCode**
- SCMP API Field: **branch_code**
- Simple Order API Field: **bankInfo_branchCode**

paymentInformation.bank.checkDigit

Code used to validate the customer's account number.

Required for some countries if you do not or are not allowed to provide the IBAN instead. You may use this field only when scoring a direct debit transaction.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **paymentInformation.bank.checkDigit**
- SCMP API Field: **bank_check_digit**
- Simple Order API Field: **fundTransfer_bankCheckDigit**

paymentInformation.bank.code

Country-specific code used to identify the customer's bank.

Required for some countries if you do not or are not allowed to provide the IBAN instead. You can use this field only when scoring a direct debit transaction.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **paymentInformation.bank.code**
- SCMP API Field: **bank_code**
- Simple Order API Field: **bankInfo_bankCode**

paymentInformation.bank.country

Country where the bank is located.

Use the two-character ISO codes listed in [ISO Standard Currency Codes](#). You can use this field only when scoring a direct debit transaction.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **paymentInformation.bank.country**
- SCMP API Field: **bank_country**
- Simple Order API Field: **bankInfo_country**

paymentInformation.bank.iban

International Bank Account Number (IBAN) for the bank account.

For some countries you can provide this number instead of the traditional bank account information. You can use this field only when scoring a direct debit transaction.

Specifications

- Data Type: String
- Data Length: 30

Mapping Information

- REST API Field: **paymentInformation.bank.iban**
- SCMP API Field: **bank_iban**

- Simple Order API Field: **fundTransfer_iban**

paymentInformation.bank.locality

City where the bank is located.

If you do not send this field, we presume the bank location is specified in the **orderInformation.billTo.locality** field. Because some banks validate the bank account information, consider sending this field if the bank location is not specified in the **orderInformation.billTo.locality** field.

Specifications

- Data Type: String
- Data Length: 35

Mapping Information

- REST API Field: **paymentInformation.bank.locality**
- SCMP API Field: **bank_city**
- Simple Order API Field: **bankInfo_city**

paymentInformation.bank.name

Bank's name.

You can use this field only when scoring a direct debit transaction.

Specifications

- Data Type: String
- Data Length: 40

Mapping Information

- REST API Field: **paymentInformation.bank.name**
- SCMP API Field: **bank_name**
- Simple Order API Field: **bankInfo_name**

paymentInformation.bank.routingNumber

Bank routing number. This is also called the transit number.

Specifications

- Data Type: Non-negative integer
- Data Length: 9

Mapping Information

- REST API Field: **paymentInformation.bank.routingNumber**
- SCMP API Field: **ecp_rdfi**
- Simple Order API Fields: **check_bankTransitNumber**

paymentInformation.bank.swiftCode

Bank Identification Code (BIC). Also known as SWIFT-BIC, SWIFT ID or SWIFT code by the ISO9362 standard.

You can use this field only when scoring a direct debit transaction. Required only for cross-border transactions.

Specifications

- Data Type: String
- Data Length: 30

Mapping Information

- REST API Field: **paymentInformation.bank.swiftCode**
- SCMP API Field: **bank_swiftcode**
- Simple Order API Field: **bankInfo_swiftCode**

paymentInformation.binCountry

Country (two-digit country codes) associated with the BIN of the customer's card used for the payment.

Returned if the information is available. Use this field for additional information when reviewing orders. This information is also displayed in the details page of the Business Center.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **paymentInformation.binCountry**
- SCMP API Field: **bin_country**
- Simple Order API Field: **afsReply_binCountry**

paymentInformation. card.accountEncoderId

Identifier for the issuing bank that provided the customer's encoded account number. This field is available only on the Chase Paymentech Solutions processor. Contact the processor to obtain the bank's ID.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **paymentInformation.card.accountEncoderId**
- SCMP API Field: **account_encoder_id**
- Simple Order API Field: **card_accountEncoderID**

paymentInformation. card.bin

Credit card BIN (the first eight digits of the credit card). The BIN will be used in place of the first eight digits of the credit card when present.

Specifications

- Data Type: Positive Integer
- Data Length: 8

Mapping Information

- REST API Field: **paymentInformation.card.bin**
- SCMP API Field: **cc_bin**
- Simple Order API Field: **card_bin**

paymentInformation. card.cardType

Three-digit value that indicates the card type. This field is required for the Payer Authentication Check Enrollment and Validation services.



Important

It's a good idea to include the card type even when it is optional. Omitting the card type can cause the transaction to be processed with the wrong card type.

Card-Present Transactions: This field is returned in the response message when the client software that is installed on the POS terminal uses the Token Management Service (TMS) to retrieve tokenized payment details. You must contact customer support to have your account enabled to receive these fields in the credit response message. This field is available only for Cybersource integrations.

Card Type Codes Possible Values: Each payment method, processor, and acquirer support different card types.

001: Visa

For all processors except SIX, the Visa Electron card type is processed the same way that the Visa debit card is processed. Use card type value 001 for Visa Electron.

002: Mastercard and Eurocard

For Eurocard, which is the European regional brand of Mastercard, you must include the card type field in a request for an authorization or stand-alone credit.

003: American Express

004: Discover

005: Diners Club

006: Carte Blanche

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

007: JCB

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

014: EnRoute

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

021: JAL

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

024: Maestro (UK Domestic)**033: Visa Electron**

Use this value only for SIX. For other processors, use **001** for all Visa card types. For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

034: Dankort

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

036: Cartes Bancaires

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

037: Carta Si

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

039: Encoded account number

This value is supported only on Chase Paymentech Solutions. For this value, you must include the card type field in a request for an authorization or stand-alone credit.

040: UATP

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

042: Maestro (International)

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

050: Hipercard

For this card type on Cielo 3.0, Getnet, or Rede, you must include the card type field in a request for an authorization or stand-alone credit. This card type is not supported on Cielo 1.5.

051: Aura**054: Elo**

For this card type on Getnet or Rede, you must include the card type field in a request for an authorization or stand-alone credit.

058: Carnet**059: ValueLink****060: mada**

Required when accepting mada cards with Apple Pay. Supported with Visa Platform Connect only.

061: RuPay

062: China UnionPay**065: Korean Domestic Cards**

For this card type on Getnet, Rede, and Korean Cyber Payments you must include the card type field in a request for an authorization or stand-alone credit.

066: Banricompras

Barclays: This field is optional for Visa card transactions that use the Payouts AFT services.

Visa Platform Connect: The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01-TCR1
- Position: 70-71
- Field: Card ID

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Korean Cyber Payments: All cards from the issuers below are supported along with Visa and Mastercard.

- BC
- Hana
- Hyundai
- KB Kookmin
- Lotte
- NH Nonghyup
- Samsung
- Shinhan

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Fields:
 - **paymentInformation.card.cardType**
 - **paymentInformation.card.type**
 - **paymentInformation.tokenizedCard.type**
- SCMP API Field: **card_type**
- Simple Order API Field: **card_cardType**

paymentInformation. card.expirationMonth

Two-digit month in which the payment card expires.

Format: MM

Possible values: **01** through **12**. Leading **0** is required.



Important

This field is optional if your account is configured for relaxed requirements for expiration date. For details about relaxed requirements, see the support article [Relaxed Requirements for Address Data and Expiration Date in Credit Card Transactions](#).

Barclays and Streamline

For Maestro (UK Domestic and International) cards, this value must be valid (01 through 12) but is not required to be a valid expiration date. In other words, an expiration date that is in the past does not cause Cybersource to reject a request. However, an invalid expiration date might cause the issuer to reject a request.

Chase Paymentech Solutions

For encoded account numbers (**paymentInformation.card.type** or **paymentInformation.tokenizedCard.type=039**), set the value for this field to **12** if the card does not provide an expiration date.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **paymentInformation.card.expirationMonth**
- SCMP API Field: **customer_cc_expmo**
- Simple Order API Field: **card_expirationMonth**

paymentInformation. card.expirationYear

Four-digit year in which the payment card expires.

Format: yyyy

**Important**

This field is optional if your account is configured for relaxed requirements for expiration date. For details about relaxed requirements, see the support article [Relaxed Requirements for Address Data and Expiration Date in Credit Card Transactions](#).

Barclays

For Maestro (UK Domestic and International) cards on Barclays and Streamline, this value must be valid (1900 through 3000) but is not required to be a valid expiration date. In other words, an expiration date that is in the past does not cause Cybersource to reject a request. However, an invalid expiration date might cause the issuer to reject a request.

Chase Paymentech Solutions

For encoded account numbers (**paymentInformation.card.type** or **paymentInformation.tokenizedCard.type=039**), set the value for this field to **2021** if the card does not provide an expiration date.

Streamline

For Maestro (UK Domestic and International) cards on Barclays and Streamline, this value must be valid (1900 through 3000) but is not required to be a valid expiration date. In other words, an expiration date that is in the past does not cause Cybersource to reject a request. However, an invalid expiration date might cause the issuer to reject a request.

Specifications

- FDC Nashville Global: You can provide two digits or four digits. When you provide two digits, they must be the last two digits of the year.
- FDMS South: You can provide two digits or four digits. When you provide two digits, they must be the last two digits of the year.
- Other Processors:
 - Data Type: String
 - Data Length: 4

Mapping Information

- REST API Fields:

- **paymentInformation.card.expirationYear**
- **paymentInformation.tokenizedCard.expirationYear**
- SCMP API Field: **customer_cc_expyr**
- Simple Order API Field: **card_expirationYear**

paymentInformation. card.hashedExceptionNumber

Provides a SHA-256 hashed value of the PAN.

This field can be used to meet Taiwan's Ministry of Finance mandate. This mandate requires merchants must generate a unique code based on the PAN as well as the customer's mobile number, membership number, or national ID for each authorization. To receive this field during an authorization, you must request this field to be enabled through customer support.

Specifications

- Data Type: String
- Data Length: 60

Mapping Information

- REST API Field: **paymentInformation.card.hashedExceptionNumber**
- SCMP API Field: **customer_cc_hashedException_number**
- Simple Order API Field: **card_hashedExceptionAccountNumber**

paymentInformation. card.issueNumber

Number of times a Maestro (UK Domestic) card has been issued to the account holder.

The card might or might not have an issue number. The number can consist of one or two digits, and the first digit might be a zero. When you include this value in a request, include exactly what is printed on the card. A value of **2** is different than a value of **02**.

Do not include the field, even with a blank value, if the card is not a Maestro (UK Domestic) card.

The issue number is not required for Maestro (UK Domestic) transactions.

Specifications

- Type: String
- Length: 5

Mapping Information

- REST API Field: **paymentInformation.card.issueNumber**
- SCMP API Field: **customer_cc_issue_number**
- Simple Order API Field: **card_issueNumber**

paymentInformation. card.number

Payment card number or network token.

Also known as the primary account number (PAN).

BIN Lookup Service

You can also use this field for encoded account numbers.

When you send multiple fields in the `paymentInformation[]` and `tokenInformation[]` objects, BIN Lookup processes fields in the `paymentInformation[]` object first, and then it processes fields in the `tokenInformation[]` object.

Chase Paymentech Solutions

When processing encoded account numbers, use this field for the encoded account number.

Specifications

- FDMS Nashville (Card-Present transactions only):
 - Data Type: String
 - Data Length: 19
- Other Processors:
 - Data Type: String
 - Data Length: 20

Mapping Information

- REST API Field: **paymentInformation.card.number**
- SCMP API Field: **customer_cc_number**
- Simple Order API Field: **card_accountNumber**

paymentInformation. card.passPhrase

Card password.

The card password consists of 2 digits and is considered Personally Identifiable Information (PII).

Specifications

- Data Type: Numeric String
- Data Length: 2

Mapping Information

- REST API Field: **paymentInformation.card.passPhrase**
- SCMP API Field: **card_pass_phrase**
- Simple Order API Field: **card_passPhrase**

paymentInformation. card.personalData

Personal data used to validate the identity of the cardholder.

The data used will be either six digits representing the cardholder's date of birth or a 10-digit business number. This data is considered Personally Identifiable Information (PII).

Specifications

- Data Type: String
- Data Length: Up to 10

Mapping Information

- REST API Field: **paymentInformation.card.personalData**
- SCMP API Field: **card_personal_data**
- Simple Order API Field: **card_personalData**

paymentInformation. card.productName

Name of the card product.

This field is available only for BNDES transactions on the Visa Platform Connect processor. Set the value for this field to BNDES.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP07 TCR4

- Position: 115-120
- Field: Brazil Country Data

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **paymentInformation.card.productName**
- SCMP API Field: **card_product_name**
- Simple Order API Field: **card_productName**

paymentInformation. card.securityCode

Card verification number (CVN).



Important

When enabling web browsers to auto-fill payment tokens, you must include either the **paymentInformation.card.securityCode** or **paymentInformation.tokenizedCard.securityCode** field in the authorization request.

Web browsers can replace primary account numbers with e-commerce tokens, which enables cardholders to auto-fill tokens, token expiration dates, and three-digit dynamic token verification values (DTVVs) on merchant payment entry forms. You will receive the result code in the **processorInformation.consumerAuthenticationResponse.code** or **processorInformation.consumerAuthenticationResponse.codeRaw** fields.

This field is available only on the FDC Compass, FDMS Nashville, and Visa Platform Connect processors.

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Fields:
 - **paymentInformation.card.securityCode**
 - **paymentInformation.tokenizedCard.securityCode**
- SCMP API Field: **customer_cc_cv_number**

- Simple Order API Field: **card_cvNumber**

paymentInformation. card.securityCodeIndicator

Flag that specifies whether a CVN code was sent.

Possible values:

- **0** (default): CVN service not requested. This default value is used when you do not include the **paymentInformation.card.securityCode** or **paymentInformation.tokenizedCard.securityCode** field in the request.
- **1** (default): CVN service requested and supported. This default value is used when you include the **paymentInformation.card.securityCode** or **paymentInformation.tokenizedCard.securityCode** field in the request.
- **2**: CVN on payment card is illegible.
- **9**: CVN not imprinted on payment card.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **paymentInformation.card.securityCodeIndicator**
- SCMP API Field: **customer_cc_cv_indicator**
- Simple Order API Field: **card_cvIndicator**

paymentInformation. card.sourceAccountType

Flag that specifies the type of account associated with the card.

This field is available only for the China UnionPay, Cielo, Comercio Latino, and Visa Platform Connect processors.

The cardholder provides this information during the payment process.

This field is required for transactions with Brazilian-issued cards.

Combo cards in Brazil contain credit and debit functionality in a single card. Visa systems use a credit bank identification number (BIN) for this type of card. Using the BIN to determine whether a card is debit or credit can cause transactions with these cards to be processed incorrectly. It is strongly recommended that you include this field for combo card transactions.

China UnionPayCard Transactions on China UnionPay

This field is available only for China UnionPay card transactions. Possible values:

- **C**: Domestic credit card.
- **D**: Domestic debit card.
- **F**: International credit card.
- **I**: International debit card.

When the value is **D**, the e-commerce indicator and CAVV fields must be included in the authorization request.

When the value is **C**, **F**, or **I**, the card verification number, expiration month, and expiration year fields must be included in the authorization request.

Cielo and Comercio Latino Credit Card Transactions

On these processors, this field is available only for authorizations. Possible values:

- **CR**: Credit card
- **DB**: Debit card

Visa Platform Connect Credit Card Transactions

For combo card transactions with Mastercard in Brazil, the field is **paymentInformation.card.useAsor paymentInformation.card.sourceAccountType** fields are also available.

Possible values:

- **CH**: Checking account
- **CR**: Credit card account
- **LI**: Line of credit or credit portion of combo card
- **PP**: Prepaid card or prepaid portion of combo card
- **SA**: Savings account
- **UA**: Universal account

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP07 TCRO
- Positions: 42-43
- Field: Account Selection

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file

at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

If `paymentInformation.card.useAs` is set to `credit/debit` and there is a value in the `paymentInformation.card.sourceAccountType` field, the value in the `paymentInformation.card.SourceAccountType` field takes precedence. If `paymentInformation.card.useAs` is set to `CR/DB` and there is a value in the `paymentInformation.card.sourceAccountType` field, the value in the `paymentInformation.card.useAs` field takes precedence.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Fields:
 - `paymentInformation.card.useAs`
 - `paymentInformation.card.sourceAccountType`
- SCMP API Field: `override_payment_method`
- Simple Order API Fields:
 - `ccAuthService_overridePaymentMethod`
 - `ccCreditService_overridePaymentMethod`
 - `pinDebitCreditService_overridePaymentMethod`

paymentInformation. card.sourceAccountTypeDetails

Type of account for a line of credit or prepaid card.

This field is available only for combo card transactions in Brazil on the Visa Platform Connect processor.

Include this field when the value for the `or` field is line of credit (LI) or prepaid card (PP).

Line of Credit

Possible values:

- `AGRC`: Visa Agro Custeio.
- `AGRE`: Visa Agro Electron.
- `AGRI`: Visa Agro Investimento.
- `AGRO`: Visa Agro.

Prepaid Card

Possible values:

- **VVA**: Visa Vale Alimentacao.
- **VVF**: Visa Vale Flex.
- **VVR**: Visa Vale Refeicao.

TC 33 Capture File

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP07 TCRO
- Position: 44-47
- Field: Account Accessed

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **paymentInformation.card.sourceAccountTypeDetails**
- SCMP API Field: **override_payment_details**
- Simple Order API Fields:
 - **ccAuthService_overridePaymentDetails**
 - **ccCreditService_overridePaymentDetails**

paymentInformation.card.startMonth

Month of the start of the Maestro (UK Domestic) card validity period.

Do not include the field, even with a blank value, if the card is not a Maestro (UK Domestic) card.

Possible values: **01** through **12**.

The start date is not required for Maestro (UK Domestic) transactions.

Specifications

- Data Type: String
- Data Length: 2
- Data Format: MM

Mapping Information

- REST API Field: **paymentInformation.card.startMonth**
- SCMP API Field: **customer_cc_startmo**

- Simple Order API Field: **card_startMonth**

paymentInformation. card.startYear

Year of the start of the Maestro (UK Domestic) card validity period.

Do not include the field, even with a blank value, if the card is not a Maestro (UK Domestic) card.

The start date is not required for Maestro (UK Domestic) transactions.

Specifications

- Data Type: String
- Data Length: 4
- Data Format: yyyy

Mapping Information

- REST API Field: **paymentInformation.card.startYear**
- SCMP API Field: **customer_cc_startyr**
- Simple Order API Field: **card_startYear**

paymentInformation. card.suffix

Last four digits of the customer's account number.

You can use this value on the receipt that you give to the customer.

Card-Not-Present and PIN Debit Transactions

This field is returned only for tokenized transactions.

Card-Present Transactions

This field is returned in the response message when the client software that is installed on the POS terminal uses the Token Management Service (TMS) to retrieve tokenized payment details. You must contact customer support to have your account enabled to receive these fields in the credit response message. This field is supported only for Cybersource integrations.

Visa Platform Connect

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR8
- Position: 85

- Field: American Express last 4 PAN return indicator

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **paymentInformation.card.suffix**
- SCMP API Field: **card_suffix**
- Simple Order API Field: **card_suffix**

paymentInformation. card.type

Three-digit value that indicates the card type. This field is required for the Payer Authentication Check Enrollment and Validation services.

Important

It's a good idea to include the card type even when it is optional. Omitting the card type can cause the transaction to be processed with the wrong card type.

Card-Present Transactions: This field is returned in the response message when the client software that is installed on the POS terminal uses the Token Management Service (TMS) to retrieve tokenized payment details. You must contact customer support to have your account enabled to receive these fields in the credit response message. This field is available only for Cybersource integrations.

Card Type Codes Possible Values: Each payment method, processor, and acquirer support different card types.

001: Visa

For all processors except SIX, the Visa Electron card type is processed the same way that the Visa debit card is processed. Use card type value 001 for Visa Electron.

002: Mastercard and Eurocard

For Eurocard, which is the European regional brand of Mastercard, you must include the card type field in a request for an authorization or stand-alone credit.

003: American Express**004: Discover****005: Diners Club****006: Carte Blanche**

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

007: JCB

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

014: EnRoute

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

021: JAL

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

024: Maestro (UK Domestic)**033: Visa Electron**

Use this value only for SIX. For other processors, use 001 for all Visa card types. For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

034: Dankort

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

036: Cartes Bancaires

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

037: Carta Si

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

039: Encoded account number

This value is supported only on Chase Paymentech Solutions. For this value, you must include the card type field in a request for an authorization or stand-alone credit.

040: UATP

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

042: Maestro (International)

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

050: Hipercard

For this card type on Cielo 3.0, Getnet, or Rede, you must include the card type field in a request for an authorization or stand-alone credit. This card type is not supported on Cielo 1.5.

051: Aura**054: Elo**

For this card type on Getnet or Rede, you must include the card type field in a request for an authorization or stand-alone credit.

058: Carnet**059: ValueLink****060: mada**

Required when accepting mada cards with Apple Pay. Supported with Visa Platform Connect only.

061: RuPay**062: China UnionPay****065: Korean Domestic Cards**

For this card type on Getnet, Rede, and Korean Cyber Payments you must include the card type field in a request for an authorization or stand-alone credit.

066: Banricompras

Barclays: This field is optional for Visa card transactions that use the Payouts AFT services.

Visa Platform Connect: The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01-TCR1
- Position: 70-71
- Field: Card ID

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Korean Cyber Payments: All cards from the issuers below are supported along with Visa and Mastercard.

- BC
- Hana
- Hyundai
- KB Kookmin
- Lotte
- NH Nonghyup
- Samsung
- Shinhan

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Fields:
 - **paymentInformation.card.cardType**
 - **paymentInformation.card.type**
 - **paymentInformation.tokenizedCard.type**
- SCMP API Field: **card_type**
- Simple Order API Field: **card_cardType**

paymentInformation. card.typeSelectionIndicator

Flag that identifies how the card type was selected.

This field is available only on Banque de France et Tresor Public, BNP Paribas France, China UnionPay, and Credit Mutuel-CIC processors.

Possible values:

- **0**: Card type was selected based on default acquirer settings.
- **1**: Customer selected the card type.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **paymentInformation.card.typeSelectionIndicator**
- SCMP API Field: **card_type_selection_indicator**
- Simple Order API Field: **cardTypeSelectionIndicator**

paymentInformation. card.useAs

Flag that specifies the type of account associated with the card.

This field is available only for China UnionPay, Cielo, Comercio Latino, and Visa Platform Connect.

The cardholder provides this information during the payment process.

This field is required for transactions with Brazilian-issued cards.

Combo cards in Brazil contain credit and debit functionality in a single card. Visa systems use a credit bank identification number (BIN) for this type of card. Using the BIN to determine whether a card is debit or credit can cause transactions with these cards to be processed incorrectly. It is strongly recommended that you include this field for combo card transactions.

China UnionPayCard Transactions on China UnionPay

Possible values:

- **C**: Domestic credit card.
- **D**: Domestic debit card.
- **F**: International credit card.
- **I**: International debit card.

When the value is **D**, the e-commerce indicator and CAVV fields must be included in the authorization request.

When the value is **C**, **F**, or **I**, the card verification number, expiration month, and expiration year fields must be included in the authorization request.

Cielo and Comercio Latino Credit Card Transactions

On these processors, this field is available only for authorizations. Possible values:

- **CR**: Credit card
- **DB**: Debit card

Visa Platform Connect Credit Card Transactions

For combo card transactions with Mastercard in Brazil, the field is **paymentInformation.card.useAs** or **paymentInformation.card.sourceAccountType** fields are also available.

Possible values:

- **CH**: Checking account
- **CR**: Credit card account
- **LI**: Line of credit or credit portion of combo card
- **PP**: Prepaid card or prepaid portion of combo card
- **SA**: Savings account

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP07 TCRO
- Positions: 42-43
- Field: Account Selection

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

A value of CR or DB in this field takes precedence over any value in the [paymentInformation.sourceAccountType](#) field.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Fields:
 - **paymentInformation.card.useAs**
 - **paymentInformation.card.sourceAccountType**
- SCMP API Field: **card_usage**
- Simple Order API Field: **card_usage**

paymentInformation.customer.customerId

Subscription ID or token ID.

When you use Recurring Billing or Token Management Service and you include this value in a request, many of the fields that are normally required for an authorization or credit become optional.

Payouts: When you include this field in your request, the following fields are optional:

- **paymentInformation.card.number**
- **paymentInformation.tokenizedCard.expirationMonth**
- **paymentInformation.tokenizedCard.expirationYear**

Specifications

- Data Type: String
- Data Length: 26

Mapping Information

- REST API Field: **paymentInformation.customer.customerId**
- SCMP API Field: **subscription_id**
- Simple Order API Field: **recurringSubscriptionInfo_subscriptionID**

paymentInformation.customer.id

Unique identifier for the Token Management Service (TMS) customer token.

BIN Lookup Service

When you send multiple fields in the `paymentInformation[]` and `tokenInformation[]` objects, BIN Lookup processes fields in the `paymentInformation[]` object first, and then it processes fields in the `tokenInformation[]` object.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

No corresponding fields.

paymentInformation.fluidData.descriptor

Format of the encrypted payment data.

Possible values:

- Apple Pay: `Rk1EPUNPTU1PTi5BUFBMRS5JTkFQUC5QQV1NRU5U`
- Blue PCI P2PE: `Ymx1ZWZpbG==`
- Samsung Pay: `Rk1EPUNPTU1PTi5TQU1TVU5Hlk1OQVBQL1BBWU1FTIQ=`

Specifications

- Data Type: String
- Data Length: 128

Mapping Information

- REST API Field: **paymentInformation.fluidData.descriptor**
- SCMP API Field: **encrypted_payment_descriptor**
- Simple Order API Field: **encryptedPayment_descriptor**

paymentInformation.fluidData.encoding

Encoding method used to encrypt the payment data.
For Apple Pay transactions, the encoding method is Base64.

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

- REST API Field: **paymentInformation.fluidData.encoding**
- SCMP API Field: **encrypted_payment_encoding**
- Simple Order API Field: **encryptedPayment_encoding**

paymentInformation.fluidData.value

Card-present transactions: encrypted payment data.
Digital payment transactions: encrypted payment data value. If you are using the Cybersource decryption option, populate this field with the encrypted payment data value returned by the Full Wallet request.

Specifications

- Data Type: String

- Data Length: 3072

Mapping Information

- REST API Field: **paymentInformation.fluidData.value**
- SCMP API Field: **encrypted_payment_data**
- Simple Order API Field: **encryptedPayment_data**

paymentInformation. initiationChannel

This code indicates how the account information was obtained.

This field is available only for payments processed with Mastercard and American Express on the Visa Platform Connect processor.

This field is supported for Mastercard only on Cybersource through VisaNet. When the initiation channel is not provided via this API field, the value is extracted from EMV tag 9F6E for Mastercard transactions. Call support to enable this feature.

Possible values for Mastercard transactions:

- **00** (default): Card
- **01**: Removable secure element that is personalized for use with a mobile phone and controlled by the wireless service provider. Examples are subscriber identity module (SIM), and universal integrated circuit card (UICC).
- **02**: Key fob
- **03**: Watch
- **04**: Mobile tag
- **05**: Wristband
- **06**: Mobile phone case or sleeve
- **07**: Mobile phone with a non-removable, secure element that is controlled by the wireless service provider. For example, code division multiple access (CDMA).
- **08**: Removable secure element that is personalized for use with a mobile phone and not controlled by the wireless service provider. For example: memory card used with a mobile phone.
- **09**: Mobile phone with a non-removable, secure element that is not controlled by the wireless service provider.
- **10**: Removable secure element that is personalized for use with a tablet or e-reader and is controlled by the wireless service provider. Examples are subscriber identity module (SIM) and universal integrated circuit card (UICC).
- **11**: Tablet or e-reader with a non-removable, secure element that is controlled by the wireless service provider.
- **12**: Removable secure element that is personalized for use with a tablet or e-reader and is not controlled by the wireless service provider.
- **13**: Tablet or e-book with a non-removable, secure element that is not controlled by the wireless service provider.

- **14**: Mobile phone or smartphone with a payment application running in a host processor.
- **15**: Tablet or e-reader with a payment application running in a host processor.
- **16**: Mobile phone or smartphone with a payment application running in the Trusted Execution Environment (TEE) of a host processor.
- **17**: Tablet or e-reader with a payment application running in the TEE of a host processor.
- **18**: Watch with a payment application running in the TEE of a host processor.
- **19**: Watch with a payment application running in a host processor.

Values **20** through **99** indicate the form factor but not the storage technology:

- **20**: Card
- **21**: Mobile phone
- **22**: Tablet or e-reader
- **23**: Watch or wristband, including a fitness band smart strap, disposable band, watch add-on, security band, or ID band.
- **24**: Sticker
- **25**: PC
- **26**: Device peripheral, such as a mobile phone case or sleeve.
- **27**: Electronic tag, such as a mobile tag or a key fob.
- **28**: Jewelry such as ring, bracelet, necklace and cuff links.
- **29**: Fashion accessory, such as a handbag, handbag charm, or eyewear.
- **30**: Garment such as a dress.
- **31**: Domestic appliance, such as a refrigerator or washing machine.
- **32**: Vehicle or vehicle-attached device.
- **33**: Media or gaming device, including a set-top box, media player, or television.

Values **34** through **99** are reserved for future form factors. Any value in this range may occur within form factor and transaction data without prior notice.

Possible values for American Express transactions:

- **AC**: mPOS accessory/dongle with contact and contactless interfaces, with or without PIN pad
- **AS**: mPOS accessory/dongle with contact and contactless interfaces and PIN on glass support. For example, a Secure Card Reader for PIN combined with a software-based PIN on commercial off-the-shelf (COTS) hardware
- **CC**: Contactless payment on COTS (CPoC)—mobile-device-based contactless-only mPOS without PIN support
- **CS**: CPoC—mobile-device-based contactless-only mPOS with PIN on glass support

The value for this field corresponds to the following data in the TC 33 capture file for American Express transactions:

- Record: CP01-TCRB
- Position: 79-80
- Field: American Express Mobile Device Type

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **paymentInformation.initiationChannel**
- SCMP API Field: **payment_initiation_channel**
- Simple Order API Field: **paymentInitiationChannel**

paymentInformation. instrumentIdentifier.id

Unique identifier for the Token Management Service (TMS) instrument identifier token.

BIN Lookup Service

When you send multiple fields in the `paymentInformation[]` and `tokenInformation[]` objects, BIN Lookup processes fields in the `paymentInformation[]` object first, and then it processes fields in the `tokenInformation[]` object.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

No corresponding fields.

paymentInformation. intent

Reason for payment when using an alternative payment method.

Example: `Charity`

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **paymentInformation.intent**
- SCMP API Field: **ap_initiate_intent**
- Simple Order API Field: **apInitiateService_intent**

paymentInformation.method

Method of payment used for the order.

This field can contain one of the following values:

- **consumer** (default): Customer credit card
- **corporate**: Corporate credit card
- **debit**: Debit card, such as a Maestro (UK Domestic) card
- **cod**: Collect on delivery
- **check**: Electronic check
- **p2p**: Person-to-person payment
- **private1**: Private label credit card
- **other**: Other payment method

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **paymentInformation.method**
- SCMP API Field: **payment_type**
- Simple Order API Field: **invoiceHeader_tenderType**

paymentInformation. orderInformation.shipTo.address3

Cardholder's shipping address.

Specifications

- Data Type: String
- Data Length: 50

Mapping Information

- REST API Field: **paymentInformation.orderInformation.shipTo.address3**
- SCMP API Field: **ship_to_address3**
- Simple Order API Field: **shipTo_street3**

paymentInformation. orderInformation.shipTo.address4

Fourth line of the shipping address.

Specifications

- Data Type: String
- Data Length: 50

Mapping Information

- REST API Field: **paymentInformation.orderInformation.shipTo.address4**
- SCMP API Field: **ship_to_address4**
- Simple Order API Field: **shipTo_street4**

paymentInformation. orderInformation.shipTo.middleName

Middle name of the recipient.

Specifications

- Data Type: String
- Data Length: 50

Mapping Information

- REST API Field: **paymentInformation.orderInformation.shipTo.middleName**
- SCMP API Field: **ship_to_middlename**

- Simple Order API Field: **shipTo_middleName**

paymentInformation.paymentInstrument.id

Unique identifier for the Token Management Service (TMS) payment instrument token.

BIN Lookup Service

When you send multiple fields in the `paymentInformation[]` and `tokenInformation[]` objects, BIN Lookup processes fields in the `paymentInformation[]` object first, and then it processes fields in the `tokenInformation[]` object.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

No corresponding fields.

paymentInformation.paymentType.method.name

The indicator for the payment type.

Possible values:

- `AFTERPAY`
- `KLARNA`

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **paymentInformation.paymentType.method.name**
- SCMP API Field: **ap_payment_type**
- Simple Order API Field: **apPaymentType**

paymentInformation. paymentType.name

Name of the payment type.

Possible values:

CARD: PIN Debit transaction

CHECK: eCheck transaction

bankTransfer: Online bank transfer transaction

localCard: Korea Cyber Payment local card transaction.

carrierBilling: Korea Cyber Payment carrier billing transaction.

Specifications

- Data Type: Enum

Mapping Information

No corresponding fields.

paymentInformation. paymentType.subTypeName

Payment type details.

When the paymentInformation.paymentType.name field has a value of **CARD, these are the possible values:**

CREDIT: Credit card transaction.

DEBIT: PIN debit card transaction.

PREPAID: Prepaid card transaction.

Specifications

- Data Type: Enum

Mapping Information

No corresponding fields.

paymentInformation. shippingAddress.id

Unique identifier for the Token Management Service (TMS) shipping address token.

BIN Lookup Service

When you send multiple fields in the `paymentInformation[]` and `tokenInformation[]` objects, BIN Lookup processes fields in the `paymentInformation[]` object first, and then it processes fields in the `tokenInformation[]` object.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

No corresponding fields.

paymentInformation. tokenizedCard.assuranceMethod

Confidence level of the provided token.
This value is provided by the token service provider.
Possible values:

- `00`: No issuer identity and verification (ID&V).
- `10`: Card issuer account verification.
- `11`: Card issuer interactive, single-factor cardholder authentication.
- `12`: Card issuer interactive, two-factor cardholder authentication.
- `13`: Card issuer risk-oriented, non-interactive cardholder authentication.
- `14`: Card issuer asserted authentication.

This field is available only for processing Apple Pay, Authorizations with Payment Network Tokens, Google Pay, PIN Debit Processing, and Samsung Pay transactions.
This field replaced the `paymentInformation.tokenizedCard.assuranceLevel`.

Specifications

- Data Type: Integer
- Length: 2

Mapping Information

- REST API Field: **paymentInformation.tokenizedCard.assuranceMethod**
- SCMP API Field: **payment_network_token_assurance_method**
- Simple Order API Field: **paymentNetworkToken_assuranceMethod**

paymentInformation. tokenizedCard.cryptogram

Token authentication verification value cryptogram.

For token-based transactions with 3-D Secure, you must submit both types of cryptograms: network token and 3-D Secure.

For all processors except RuPay, the value for this field must be 28-character Base64 or 40-character hex binary. All cryptograms use one of these formats.

On RuPay for the payer authentication seamless flow, use the customer's payment network token value.

Specifications

- Data Type: String
- Data Length: 256

Mapping Information

- REST API Field: **paymentinformation.tokenizedCard.cryptogram**
- SCMP API Field: **network_token_cryptogram**
- Simple Order API Field: **ccAuthService_networkTokenCryptogram**

paymentInformation. tokenizedCard.expirationMonth

Month in which the token expires.

This field is a response field that is included in the response message when the payment blob for the tokenized transaction is decrypted.

Format: MM

Possible values: 01 through 12

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **paymentInformation.tokenizedCard.expirationMonth**
- SCMP API Field: **token_expiration_month**
- Simple Order API Field: **token_expirationMonth**

paymentInformation. tokenizedCard.expirationYear

Year in which the token expires.

This field is a response field that is included in the response message when the payment blob for the tokenized transaction is decrypted.

Format: yyyy

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **paymentInformation.tokenizedCard.expirationYear**
- SCMP API Field: **token_expiration_year**
- Simple Order API Field: **token_expirationYear**

paymentInformation.tokenizedCard.number

Customer's payment network token value that contains the customer's credit card number.

Specifications

- Data Type: String
- Data Length: 20

Mapping Information

- REST API Field: **paymentInformation.tokenizedCard.number**
- SCMP API Field: **customer_cc_number**
- Simple Order API Field: **card_accountNumber**

paymentInformation.tokenizedCard.prefix

First six digits of token.

This field is available only for merchant-initiated transactions using the Elavon Americas processor.

This field is included in the response message when it decrypts the payment blob for the tokenized transaction.

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

- REST API Field: **paymentInformation.tokenizedCard.prefix**
- SCMP API Field: **token_prefix**
- Simple Order API Field: **token_prefix**

paymentInformation.tokenizedCard.requestorId

Value that identifies your business and indicates that the cardholder's account number is tokenized.

This value is assigned by the token service provider and is unique within the token service provider's database.

This field is available only on the FDC Nashville Global and Visa Platform Connect processor.

Specifications

- Data Type: String
- Data Length: 11

Mapping Information

- REST API Field: **paymentInformation.tokenizedCard.requestorId**
- SCMP API Field: **payment_network_token_requestor_id**
- Simple Order API Field: **paymentNetworkToken_requestorID**

paymentInformation. tokenizedCard.securityCode

Card verification number (CVN).

Important

When enabling web browsers to auto-fill payment tokens, you must include either the **paymentInformation.card.securityCode** or **paymentInformation.tokenizedCard.securityCode** field in the authorization request.

Web browsers can replace primary account numbers with e-commerce tokens, which enables cardholders to auto-fill tokens, token expiration dates, and three-digit dynamic token verification values (DTVVs) on merchant payment entry forms. You will receive the result code in the **processorInformation.consumerAuthenticationResponse.code** or **processorInformation.consumerAuthenticationResponse.codeRaw** fields. This field is supported on FDC Compass, FDMS Nashville, and Visa Platform Connect.

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Fields:
 - **paymentInformation.card.securityCode**
 - **paymentInformation.tokenizedCard.securityCode**
- SCMP API Field: **customer_cc_cv_number**
- Simple Order API Field: **card_cvNumber**

paymentInformation. tokenizedCard.storageMethod

Type of technology used in the device to store token data. This field is available only on the FDC Compass processor. Possible values:

- **001**: Secure Element (SE). Smart card or memory with restricted access and encryption to prevent data tampering. For storing payment credentials, an SE is tested against a set of requirements defined by the payment networks.
- **002**: Host card emulation (HCE). Emulation of a smart card by using software to create a virtual and exact representation of the card. Sensitive data is stored in a database that is hosted in the cloud. For storing payment credentials, a database must meet very stringent security requirements that exceed PCI DSS.

Specifications

- Data Type: Integer
- Data Length: 3

Mapping Information

- REST API Field: **paymentInformation.tokenizedCard.storageMethod**
- SCMP API Field: **payment_network_token_device_tech_type**
- Simple Order API Field: **paymentNetworkToken_deviceTechType**

paymentInformation.tokenizedCard.suffix

Last four digits of token.

This field is available only for merchant-initiated transactions on the Elavon Americas processor.

This field is included in the response message when it decrypts the payment blob for the tokenized transaction.

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **paymentInformation.tokenizedCard.suffix**
- SCMP API Field: **token_suffix**
- Simple Order API Field: **token_suffix**

paymentInformation.tokenizedCard.transactionType

Type of transaction that provided the payment network token data.

This field is available only on the Elavon Americas, FDC Compass, RuPay, and Visa Platform Connect processors.

This value does not specify the token service provider. It specifies the entity that provided you with information about the token.

Possible values:

- **1:** In-app transaction. For Apple Pay, Google Pay, RuPay seamless flow, Samsung Pay, and Visa Safe Click (VSC).
- **2:** Near-field communication (NFC) transaction. The customer's mobile device provided the token data for a contactless EMV transaction. For recurring transactions, use this value if the original transaction was a contactless EMV transaction.
- **3:** A transaction using stored customer credentials on Visa Platform Connect, whether for merchant-initiated transactions (MITs) or customer-initiated transactions (CITs).

Elavon Americas

For Google Pay transactions, this field is used only for merchant-initiated transactions.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **paymentInformation.tokenizedCard.transactionType**
- SCMP API Field: **payment_network_token_transaction_type**
- Simple Order API Field: **paymentNetworkToken_transactionType**

paymentInformation.tokenizedCard.type

Three-digit value that indicates the card type. This field is required for the Payer Authentication Check Enrollment and Validation services.



Important

It's a good idea to include the card type even when it is optional. Omitting the card type can cause the transaction to be processed with the wrong card type.

Card-Present Transactions: This field is returned in the response message when the client software that is installed on the POS terminal uses the Token Management Service (TMS) to retrieve tokenized payment details. You must contact customer support to have your account enabled to receive these fields in the credit response message. This field is available only for Cybersource integrations.

Card Type Codes Possible Values: Each payment method, processor, and acquirer support different card types.

001: Visa

For all processors except SIX, the Visa Electron card type is processed the same way that the Visa debit card is processed. Use card type value 001 for Visa Electron.

002: Mastercard and Eurocard

For Eurocard, which is the European regional brand of Mastercard, you must include the card type field in a request for an authorization or stand-alone credit.

003: American Express

004: Discover

005: Diners Club

006: Carte Blanche

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

007: JCB

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

014: EnRoute

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

021: JAL

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

024: Maestro (UK Domestic)

033: Visa Electron

Use this value only for SIX. For other processors, use 001 for all Visa card types. For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

034: Dankort

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

036: Cartes Bancaires

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

037: Carta Si

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

039: Encoded account number

This value is supported only on Chase Paymentech Solutions. For this value, you must include the card type field in a request for an authorization or stand-alone credit.

040: UATP

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

042: Maestro (International)

For this card type, you must include the card type field in a request for an authorization or stand-alone credit.

050: Hipercard

For this card type on Cielo 3.0, Getnet, or Rede, you must include the card type field in a request for an authorization or stand-alone credit. This card type is not supported on Cielo 1.5.

051: Aura**054: Elo**

For this card type on Getnet or Rede, you must include the card type field in a request for an authorization or stand-alone credit.

058: Carnet**059: ValueLink****060: mada**

Required when accepting mada cards with Apple Pay. Supported with Visa Platform Connect only.

061: RuPay**062: China UnionPay****065: Korean Domestic Cards**

For this card type on Getnet, Rede, and Korean Cyber Payments you must include the card type field in a request for an authorization or stand-alone credit.

066: Banricompras

Barclays: This field is optional for Visa card transactions that use the Payouts AFT services.

Visa Platform Connect: The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01-TCR1
- Position: 70-71
- Field: Card ID

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Korean Cyber Payments: All cards from the issuers below are supported along with Visa and Mastercard.

- BC
- Hana
- Hyundai
- KB Kookmin
- Lotte
- NH Nonghyup
- Samsung
- Shinhan

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Fields:
 - **paymentInformation.card.cardType**
 - **paymentInformation.card.type**
 - **paymentInformation.tokenizedCard.type**
- SCMP API Field: **card_type**
- Simple Order API Field: **card_cardType**

paymentInsightsInformation

The following fields provide payment metrics.

paymentInsightsInformation. orchestration. infoCodes[]

Information code associated with Service Orchestration.

Possible values:

- **RETRY_NW_TOKEN_TO_PAN**: Service Orchestration retried a falsely declined network token transaction with the primary account number (PAN).
- **DATA_ENRICHMENT_CARD_VERIFICATION**: Service Orchestration modified the transaction amount in card verification payload to optimize approval rate.
- **RETRY_3DS_TO_NO_3DS**: Service Orchestration retried a falsely declined 3-D Secure transaction as a non-3-D Secure transaction.
- **RETRY_WITH_ALTERNATIVE_PROCESSOR**: Service Orchestration retried a falsely declined transaction with an alternative processor.

Specifications

- Data Type: string
- Data Length: 60

Mapping Information

- REST API Field: **paymentInsightsInformation.orchestration.infoCodes[]**
- SCMP API Field: **auth_insights_orchestration_infocodes**
- Simple Order API Field: **ccAuthReply_paymentInsightsInformation_orchestration_infoCodes**

paymentInsightsInformation. responseInsights.category

This value is a categorization of the authorization response message from the processor.
Possible values:

- `GENERIC_ERROR`
- `ISSUER_CANNOT_APPROVE_AT_THIS_TIME`
- `ISSUER_CANNOT_APPROVE_WITH_THESE_DETAILS`
- `ISSUER_WILL_NEVER_APPROVE`
- `OTHERS`
- `PAYMENT_INSIGHTS_INTERNAL_ERROR`
- `PAYMENT_INSIGHTS_RESPONSE_CATEGORY_MATCH_NOT_FOUND`

Specifications

- Data Type: String
- Data Length: 60

Mapping Information

- REST API Field: **paymentInsightsInformation.responseInsights.category**
- SCMP API Field: **auth_insights_response_category**
- Simple Order API Field:
ccAuthReply_paymentInsightsInformation_responseInsightsCategory

paymentInsightsInformation. responseInsights.categoryCode

The categorization code of the authorization response message from the processor.
Possible values:

- `01`: Issuer will never approve.
- `02`: Issuer cannot approve at this time.
- `03`: Issuer cannot approve with the details provided in the authorization request.
- `04`: Generic error.
- `98`: Other.
- `99`: Payment insights response category match not found.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **paymentInsightsInformation.responseInsights.categoryCode**
- SCMP API Field: **auth_insights_response_category_code**
- Simple Order API Field:
ccAuthReply_paymentInsightsInformation_responseInsightsCategoryCode

paymentProcessor

Details about the payment processor that is associated with the point-of-sale (POS) terminal.

Includes the raw processor name and the processor-specific ID for the terminal.

Specifications

- Data Type: String
- Data Length: Depends on processor requirements.

Mapping Information

- REST API Field: **paymentProcessor**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

paymentSoftwareVersion

Version of payment software on the terminal.
To get this value, contact customer support.

Specifications

- Data Type: String
- Data Length: 64

Mapping Information

- REST API Field: **paymentSoftwareVersion**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

payoutInformation

The following fields provide Payout information.

payoutInformation. geoRestrictionIndicator

Indicates whether the recipient issuer can accept transactions from the originator country.

Possible values:

- **Y**: Transactions cannot be accepted from the sender country.
- **N**: Transactions can be accepted from the sender country.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

No corresponding fields.

payoutInformation. pullFunds. crossBorderParticipant

Cross-border indicator for pull funds (AFT).

Supported only in the US for domestic transactions involving the Push Payments Gateway Service.

Possible values:

- **true**

- `false`

Specifications

- Data Type: Boolean
- Data Length: 5

Mapping Information

No corresponding fields.

payoutInformation. pullFunds. domesticParticipant

Domestic indicator for pull funds (AFT).

Supported only in the US for domestic transactions involving the Push Payments Gateway Service.

Possible values:

- `true`
- `false`

Specifications

- Data Type: Boolean
- Data Length: 5

Mapping Information

No corresponding fields.

payoutInformation. pushFunds. crossBorderParticipant

Cross-border indicator for push funds (OCT).

Supported only in the US for domestic transactions involving the Push Payments Gateway Service.

Possible values:

- `true`
- `false`

Specifications

- Data Type: Boolean
- Data Length: 5

Mapping Information

No corresponding fields.

payoutInformation.pushFunds. domesticParticipant

Domestic indicator for push funds (OCT).

Supported only in the US for domestic transactions involving the Push Payments Gateway Service.

Possible values:

- true
- false

Specifications

- Data Type: Boolean
- Data Length: 5

Mapping Information

No corresponding fields.

payoutInformation.pushFunds. moneyTransferCrossBorder

Indicates whether cross-border money transfer OCTs (push funds) are allowed.

Possible values:

- **Y**: Cross-border money transfer OCTs are enabled.
- **N**: Cross-border money transfer OCTs are not enabled.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

No corresponding fields.

payoutInformation.pushFunds.moneyTransferDomestic

Indicates whether domestic money transfer OCTs (push funds) are allowed.

Possible values:

- **Y**: Domestic money transfer OCTs are enabled.
- **N**: Domestic money transfer OCTs are not enabled.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

No corresponding fields.

payoutInformation.pushFunds.moneyTransferFastFundsCrossBorder

Indicates whether cross-border money transfer OCTs (fast push funds) are allowed.

Possible values:

- **Y**: Cross-border money transfer Fast Fund OCTs are enabled.
- **N**: Cross-border money transfer Fast Fund OCTs are not enabled.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

No corresponding fields.

payoutInformation. pushFunds. moneyTransferFastFundsDomestic

Indicates whether domestic money transfer OCTs (fast push funds) are allowed.
Possible values:

- **Y**: Domestic money transfer Fast Fund OCTs are enabled.
- **N**: Domestic money transfer Fast Fund OCTs are not enabled.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

No corresponding fields.

payoutInformation. pushFunds. nonMoneyTransferCrossBorder

Indicates whether cross-border non-money transfer OCTs (push funds) are allowed.
Possible values:

- **Y**: Cross-border non-money transfer OCTs are enabled.
- **N**: Cross-border non-money transfer OCTs are not enabled.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

No corresponding fields.

payoutInformation. pushFunds. nonMoneyTransferDomestic

Indicates whether domestic non-money transfer OCTs (push funds) are allowed.

Possible values:

- **Y**: Domestic non-money transfer OCTs are enabled.
- **N**: Domestic non-money transfer OCTs are not enabled.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

No corresponding fields.

payoutInformation.pushFunds. nonMoneyTransferFastFundsCrossBorder

Indicates whether cross-border non-money transfer OCTs (fast push funds) are allowed.

Possible values:

- **Y**: Cross-border non-money transfer Fast Fund OCTs are enabled.
- **N**: Cross-border non-money transfer Fast Fund OCTs are not enabled.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

No corresponding fields.

payoutInformation.pushFunds. nonMoneyTransferFastFundsDomestic

Indicates whether domestic non-money transfer OCTs (fast push funds) are allowed.

Possible values:

- **Y**: Domestic non-money transfer Fast Fund OCTs are enabled.
- **N**: Domestic non-money transfer Fast Fund OCTs are not enabled.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

No corresponding fields.

payoutInformation.pushFunds. onlineGamblingCrossBorder

Indicates whether cross-border gambling OCTs (push funds) are allowed.

Possible values:

- **Y**: Cross-border gambling OCTs are enabled.
- **N**: Cross-border gambling OCTs are not enabled.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

No corresponding fields.

payoutInformation.pushFunds. onlineGamblingDomestic

Indicates whether domestic gambling OCTs (push funds) are allowed.

Possible values:

- **Y**: Domestic gambling OCTs are enabled.
- **N**: Domestic gambling OCTs are not enabled.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

No corresponding fields.

payoutInformation. pushFunds. onlineGamblingFastFundsCrossBorder

Indicates whether cross-border gambling OCTs (fast push funds) are allowed.
Possible values:

- **Y**: Cross-border gambling Fast Fund OCTs are enabled.
- **N**: Cross-border gambling Fast Fund OCTs are not enabled.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

No corresponding fields.

payoutInformation. pushFunds. onlineGamblingFastFundsDomestic

Indicates whether domestic gambling OCTs (fast push funds) are allowed.
Possible values:

- **Y**: Domestic gambling Fast Fund OCTs are enabled.
- **N**: Domestic gambling Fast Fund OCTs are not enabled.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

No corresponding fields.

pinEncryption

The following fields provide pin encryption information.

pinEncryptionKeyName

Optional name for the PIN encryption Base Derivation Key (BDK) that is loaded on the terminal.

To get this value, contact Cybersource customer support.

Specifications

- Data Type: String
- Data Length: 64

Mapping Information

- REST API Field: **pinEncryptionKeyName**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

pinEncryptionKsi

Key serial identifier of the PIN encryption Base Derivation Key (BDK) that is loaded on the terminal.

To get this value, contact Cybersource customer support.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

- REST API Field: **pinEncryptionKsi**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

planInformation

The following fields provide plan information.

planInformation. billingPeriod.length

The plan billing period length.

The billing period length and unit must be included in your plan request. For example, to bill once a month, set the length to **1** and the unit to **M**. To bill once every seven days, set the length to **7** and the unit to **D**.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **planInformation.billingPeriod.length**
- SCMP API Field: No corresponding field.
- Simple Order API Field: No corresponding field.

planInformation. billingPeriod.unit

The plan billing period unit.

Possible values:

- **D**: Day
- **M**: Month
- **W**: Week
- **Y**: Year

The billing period length and unit must be included in your plan request. For example, to bill once a month, set the length to **1** and the unit to **M**. To bill once every seven days, set the length to **7** and the unit to **D**.

Specifications

- Data Type: Enumerated string
- Data Length: 1

Mapping Information

- REST API Field: **planInformation.billingPeriod.unit**
- SCMP API Field: No corresponding field.
- Simple Order API Field: No corresponding field.

planInformation.description

The plan description.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **planInformation.description**
- SCMP API Field: No corresponding field.
- Simple Order API Field: No corresponding field.

planInformation.name

The plan name.

Specifications

- Data Type: String
- Data Length: 100

Mapping Information

- REST API Field: **planInformation.name**
- SCMP API Field: No corresponding field.

- Simple Order API Field: No corresponding field.

planInformation.planPeriod.length

The plan period length.

The period length and unit must be included in your request. For example, to end the plan after 12 months, set the length to **12** and the unit to **M**. To end the plan after two years, set the length to **2** and the unit to **Y**.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **planInformation.planPeriod.length**
- SCMP API Field: No corresponding field.
- Simple Order API Field: No corresponding field.

planInformation.planPeriod.unit

The plan period unit.

Possible values:

- **D**: Day
- **M**: Month
- **W**: Week
- **Y**: Year

The period length and unit must be included in your request. For example, to end the plan after 12 months, set the length to **12** and the unit to **M**. To end the plan after two years, set the length to **2** and the unit to **Y**.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **planInformation.planPeriod.unit**
- SCMP API Field: No corresponding field.

- Simple Order API Field: No corresponding field.

pointOfSaleInformation

The following fields provide point-of-sale information.

pointOfSaleInformation.amexCAPNData

Point-of-sale details for the transaction.

This field enables you to comply with American Express CAPN requirements.

Cybersource generates this value, which consists of a series of codes that identify terminal capability, security data, and specific conditions present at the time the transaction occurred. To comply with the CAPN requirements, this value must be included in all subsequent follow-on requests, such as captures and follow-on credits.

When you perform authorizations, captures, and credits through Cybersource, Cybersource passes this value from the authorization service to the subsequent services for you. However, when you perform authorizations through Cybersource and perform subsequent services through other financial institutions, you must ensure that requests for captures and credits include this value.

This field is available only for transactions using American Express payment cards on the American Express Direct, Elavon Americas, and FDMS South processors.

American Express Direct and FDMS South

For forced captures, obtain the value for this field from the authorization response.

For verbal authorizations, you cannot obtain a value for this field, so Cybersource uses a default value. Cybersource generates the value based on these factors:

- Whether the transaction is an e-commerce transaction.
- Whether the transaction is a card-present transaction.

- Whether the payment data is swiped or keyed.

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **pointOfSaleInformation.amexCAPNData**
- SCMP API Fields:
 - **auth_pos_data**
 - **bill_pos_data**
- Simple Order API Fields:
 - **ccAuthReply_posData**
 - **ccCaptureService_posData**

pointOfSaleInformation. cardholderVerificationMethod

List of cardholder verification methods (CVMs) supported by the terminal. This field is available only for Cybersource integrations on the Barclays processor. Possible values:

- **CDCVM**: Cardholder device CVM—supported only on Barclays
- **PIN**
- **Signature**

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **pointOfSaleInformation.cardholderVerificationMethod[]**
- SCMP API Field: **terminal_cvm_capabilities_#**
- Simple Order API Field: **pos_terminalCVMcapabilities_#**

pointOfSaleInformation. cardPresent

Indicates whether the card is present at the time of the transaction.

Possible values:

- **N**: Card is not present
- **Y**: Card is present

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **pointOfSaleInformation.cardPresent**
- SCMP API Field: **card_present**
- Simple Order API Field: **pos_cardPresent**

pointOfSaleInformation. catLevel

Type of cardholder-activated terminal.

Possible values:

- **1**: Automated dispensing machine
- **2**: Self-service terminal
- **3**: Limited amount terminal
- **4**: In-flight commerce (IFC) terminal
- **5**: Radio frequency device
- **6**: Mobile acceptance terminal
- **7**: Electronic cash register
- **8**: E-commerce device at your location
- **9**: Terminal or cash register that uses a dialup connection to connect to the transaction processing network

Applicable Values for Card-Present Transactions:

- Chase Paymentech Solutions: Only values **1**, **2**, and **3** are supported.
- FDC Nashville Global: Only values **7**, **8**, and **9** are supported.
- GPN: Only values **6**, **7**, **8**, and **9** are supported.
- JCN Gateway: Only values **6**, **7**, **8**, and **9** are supported.
- TSYS Acquiring Solutions: Only value **6** is supported.

- Visa Platform Connect: Values **1** through **6** are supported, but some acquirers do not support all six values.

Applicable Values for PIN Debit Transactions:

Only values **7**, **8**, and **9** are supported.

Specifications

- Data Type: Non-negative integer
- Data Length: 1

Mapping Information

- REST API Field: **pointOfSaleInformation.catLevel**
- SCMP API Field: **cat_level**
- Simple Order API Field: **pos_catLevel**

pointOfSaleInformation. deviceId

Value created by the client software that uniquely identifies the POS device.

This value is not sent to the processor. Instead, the value is forwarded to the Cybersource reporting software.

This field is available only for Cybersource integrations.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

- REST API Field: **pointOfSaleInformation.deviceId**
- SCMP API Field: **pos_device_id**
- Simple Order API Field: **pos_deviceID**

pointOfSaleInformation. emv.cardholderVerificationMethodUsed

Cardholder verification method (CVM).

This field specifies the method that was used to verify the cardholder's identity.

Possible values:

- **0**: No verification

- **1**: Signature
- **2**: PIN
- **3**: Cardholder device CVM (CDCVM)—available only on the Barclays processor

This field is available only for Cybersource integrations and the Barclays processor.

Specifications

- Data Type: Integer
- Data Length: 1

Mapping Information

- REST API Field: **pointOfSaleInformation.emv.cardholderVerificationMethodUsed**
- SCMP API Field: **cardholder_verification_method**
- Simple Order API Field: **ccAuthService_cardholderVerificationMethod**

pointOfSaleInformation. emv.cardSequenceNumber

Number assigned to a specific card when two or more cards are associated with the same primary account number.

This value enables issuers to distinguish among multiple cards that are linked to the same account. This value can also act as a tracking tool when the issuer reissues cards. When this value is available, it is provided by the chip reader. When the chip reader does not provide this value, do not include this field in your request.

Specifications

- Data Type: String with numbers only
- Data Length:
 - American Express Direct: 2
 - Visa Platform Connect: 2
 - Other Processors: 3

Mapping Information

- REST API Field: **pointOfSaleInformation.emv.cardSequenceNumber**
- SCMP API Field: **emv_request_card_sequence_number**
- Simple Order API Field: **emvRequest_cardSequenceNumber**

pointOfSaleInformation. emv.chipValidationResult

Cryptogram validation results returned by the entity or service specified in **pointOfSaleInformation.emv.chipValidationType**.

Possible values:

- **A**: Application cryptogram is valid, but the application transaction counter (ATC) is outside the allowed range. (A large increase in ATC values can indicate data copying or other fraud.)
- **C**: Chip validation was completed successfully.
- **E**: Application cryptogram is valid, but the ATC indicates possible replay fraud.
- **F**: Format error in the chip data.
- **G**: Application cryptogram is valid but is not a valid authorization request cryptogram (ARQC).
- **I**: Application cryptogram is invalid.
- **T**: Application cryptogram is valid, but terminal verification results (TVR) or card verification results (CVR) are invalid.
- **U**: Application cryptogram could not be validated because of a technical error.

This field is available only for Mastercard near-field communication (NFC) authorizations that use payment network tokens on the Visa Platform Connect processor.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **pointOfSaleInformation.emv.chipValidationResult**
- SCMP API Field: **emv_reply_chip_validation_results**
- Simple Order API Field: **emvReply_chipValidationResults**

pointOfSaleInformation. emv.chipValidationType

Entity or service that provided the validation results returned in the **pointOfSaleInformation.emv.chipValidationResult** field.

Possible values:

- **02**: Mastercard pre-validation service. The Mastercard authorization platform validated the cryptogram before the issuer received the authorization request.
- **03**: Mastercard stand-in service. The Mastercard authorization platform validated the cryptogram because the issuer was not available.
- **50**: Issuer.
- **90**: Chip fall-back transaction downgrade process. The chip could not be read.

This field is available only for Mastercard near-field communication (NFC) authorizations that use payment network tokens on the Visa Platform Connect processor.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **pointOfSaleInformation.emv.chipValidationType**
- SCMP API Field: **emv_reply_chip_validation_type**
- Simple Order API Field: **emvReply_chipValidationType**

pointOfSaleInformation.emv.fallback

Indicates that a fallback method can be used for authentication.

When a technical problem prevents a successful exchange of information between a chip card and a chip-capable terminal, you can use fallback to swipe the card or key the payment card information into the POS terminal.

Possible values:

- **Y**: Fallback available
- **N** (default): Fallback method not available

This field is supported on processors that support EMV fallback transactions.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **pointOfSaleInformation.emv.fallback**
- SCMP API Field: **emv_request_fallback**
- Simple Order API Field: **emvRequest_fallback**

pointOfSaleInformation. emv.fallbackCondition

Reason for the EMV fallback transaction.

An EMV fallback transaction occurs when an EMV transaction fails for one of these reasons:

- Technical failure: the EMV terminal or EMV card cannot read and process chip data.
- Empty candidate list failure: the EMV terminal does not have any applications in common with the EMV card. EMV terminals are coded to determine whether the terminal and EMV card have any applications in common. EMV terminals provide this information to you.

Possible values:

- **1**: Transaction was initiated with information from a magnetic stripe, and the previous transaction at the EMV terminal either used information from a successful chip read or it was not a chip transaction.
- **2**: Transaction was initiated with information from a magnetic stripe, and the previous transaction at the EMV terminal was an EMV fallback transaction because the attempted chip read was unsuccessful.

This field is available only on the GPN, JCN Gateway, and Visa Platform Connect processors.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **pointOfSaleInformation.emv.fallbackCondition**
- SCMP API Field: **emv_request_fallback_condition**
- Simple Order API Field: **emvRequest_fallbackCondition**

pointOfSaleInformation. emv.isRepeat

Indicates the authorization is a duplicate authorization request.

When the **issuerInformation.pinRequestIndicator** field is included in the authorization response message, you must submit a duplicate authorization request that includes the customer's PIN.

This field is available only for Mastercard transactions on the Visa Platform Connect processor.

Possible value:

- **01**: Duplicate authorization request

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **pointOfSaleInformation.emv.isRepeat**
- SCMP API Field: **emv_request_repeat**
- Simple Order API Field: **emvRequest_repeat**

pointOfSaleInformation.emv.tags

EMV data that is transmitted from the chip card to the issuer and from the issuer to the chip card.

The EMV data is in the tag-length-value format and includes chip card tags, terminal tags, and transaction detail tags.



Warning

These tags contain sensitive information and must not be included in this field:

- 56: Track 1 equivalent data
- 57: Track 2 equivalent data
- 5A: Application PAN
- 5F20: Cardholder name
- 5F24: Application expiration date
- 99: Transaction PIN
- 9F0B: Cardholder name (extended)
- 9F1F: Track 1 discretionary data
- 9F20: Track 2 discretionary data

For contact EMV captures, contact EMV stand-alone credits, and contactless EMV stand-alone credits, you must include these tags in this field.

- 95: Terminal verification results
- 9F10: Issuer application data
- 9F26: Application cryptogram

Merchants that accept contactless transactions that must include the tap-to-phone indicator in tag 9F6E byte 4 bit 8. Possible values:

- **0**: Transaction did not originate from a tap-to-phone acceptance device.

- **1:** Transaction originated from a tap-to-phone acceptance device.

Acquirers must support the tap-to-phone indicator in the TC 33 capture file location:

- Record: CP02 TCRO
- Position: 150
- Field: Tap-to-Phone Indicator



Important

If the original transaction includes EMV tag 55 (FDI Field 55), this tag must be included in follow-on reversal transactions.

JCN Gateway

These tags must be included:

- 4F: Application identifier
- 84: Dedicated file name

Visa Platform Connect Card-Present Transactions

Include this tag for better interchange rates:

- 84: Dedicated file name

The value for Tag 84 corresponds to these data in the TC 33 capture file:

- Record: CP02 TCRO
- Position: 118-149
- Field: Dedicated File Name - Application ID (AID)

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Include these optional Mastercard integrated-circuit-card#data EMV tag values in authorization requests:

- 9F60: Authenticated application data
- 96: Kernel identifier#terminal

Specifications

- Data Type: String

- Data Length:
 - Visa Platform Connect: 252
 - Visa Platform Connect: 199 bytes for Japan
 - Other processors: 999

Mapping Information

- REST API Field: **pointOfSaleInformation.emv.tags**
- SCMP API Field: **emv_request_combined_tags**
- Simple Order API Field: **emvRequest_combinedTags**

pointOfSaleInformation. encryptedKeySerialNumber

Combination of the POS terminal's unique identifier and a transaction counter that is used when decrypting the encrypted PIN.

The entity that injected the PIN encryption keys into the terminal decrypts the encrypted PIN and creates this value.

For all terminals that are using derived unique key per transaction (DUKPT) encryption, this is generated as a single number within the terminal.

This field is supported only for Cybersource integrations and only for processors that support chip and online PIN transactions.

Specifications

- Data Type: String
- Data Length: 20

Mapping Information

- REST API Field: **pointOfSaleInformation.encryptedKeySerialNumber**
- SCMP API Field: **pin_data_key_serial_number**
- Simple Order API Field: **pinDataKeySerialNumber**

pointOfSaleInformation. encryptedPin

Encrypted PIN data.

This value is provided by the client software that is installed on the POS terminal.

This field is available only for Cybersource integrations and only for processors that support chip and online PIN transactions. In the request, you must encrypt the PIN to send the data. Required for Discover and Diners Club online PIN and ATM transactions.

Specifications

- Data Type: String
- Data Length: 16

Mapping Information

- REST API Field: **pointOfSaleInformation.encryptedPin**
- SCMP API Field: **pin_data_encrypted_pin**
- Simple Order API Field: **pinDataEncryptedPIN**

pointOfSaleInformation. entryMode

Method of entering payment card information into the POS terminal.

This field is available only on the FDC Compass, OmniPay Direct, and Visa Platform Connect processors.

Possible values:

- **contact**: Read from direct contact with chip card.
- **contactless**: Read from a contactless interface using chip data.
- **keyed**: Manually keyed into POS terminal.
OmniPay Direct: For card-present transactions, this value is not supported.
For PIN debit transactions, this value is not supported.
- **msd**: Read from a contactless interface using magnetic stripe data (MSD).
OmniPay Direct: For card-present transactions, this value is not supported.
- **swiped**: Read from payment card magnetic stripe.

The **contact**, **contactless**, and **msd** values are supported only for EMV transactions.

Specifications

- Data Type: String
- Data Length: 11

Mapping Information

- REST API Field: **pointOfSaleInformation.entryMode**
- SCMP API Field: **pos_entry_mode**
- Simple Order API Field: **pos_entryMode**

pointOfSaleInformation. isDedicatedHardwareTerminal

Type of mPOS device.

Possible values:

- **0**: Dongle
- **1**: Phone or tablet

This field is available only for Mastercard transactions on the Visa Platform Connect processor.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR6
- Position: 141
- Field: Mastercard mPOS Transaction

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **pointOfSaleInformation.isDedicatedHardwareTerminal**
- SCMP API Field: **mpos_device_type**
- Simple Order API Field: **mPOS_deviceType**

pointOfSaleInformation. laneNumber

Identifier for one of the terminals at your retail location that is used to complete a transaction.

This field is a request and response field. You defined the value for this field in the request message. This value must be printed on the receipt.

This field is available only for Mastercard transactions on the FDC Nashville Global processor.

Use the **pointOfSaleInformation.terminalId** field to identify the main terminal at your retail location.

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

- REST API Field: **pointOfSaleInformation.laneNumber**
- SCMP API Field: **terminal_id_alternate**
- Simple Order API Field: **pos_terminalIDAlternate**

pointOfSaleInformation. operatingEnvironment

Operating environment.

This field is available only on the American Express Direct and Visa Platform Connect processors.

Possible values for Mastercard:

- **2**: On merchant premises, unattended, or customer terminal. Examples: oil, kiosk, self-checkout, home computer, mobile telephone, personal digital assistant.
Visa Platform Connect: Customer terminal is supported only for Mastercard transactions.
- **4**: Off merchant premises, unattended, or customer terminal. Examples: vending machine, mobile telephone, personal digital assistant.
Visa Platform Connect: Customer terminal is supported only for Mastercard transactions.

Possible values for all card types except Mastercard:

- **0**: No terminal used or unknown environment.
- **1**: On merchant premises, attended.
- **2**: On merchant premises, unattended. Examples: oil, kiosks, self-checkout, mobile telephone, personal digital assistant (PDA).
- **3**: Off merchant premises, attended. Examples: portable POS devices at trade shows, at service calls, or in taxis.
- **4**: Off merchant premises, unattended. Examples: vending machines, home computer, mobile telephone, PDA.
- **5**: On premises of customer, unattended.
- **9**: Unknown delivery mode.
- **S**: Electronic delivery of product. Examples: music, software, or eTickets that are downloaded over the Internet.
- **T**: Physical delivery of product. Examples: music or software that is delivered by mail or by a courier.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **pointOfSaleInformation.operatingEnvironment**
- SCMP API Field: **pos_environment**
- Simple Order API Field: **pos_environment**

pointOfSaleInformation. partnerSdkVersion

Version of the software installed on the POS terminal.

This value is provided by the client software that is installed on the POS terminal.

This value is not sent to the processor. Instead, the value is forwarded to the Cybersource reporting software.

This field is available only for Cybersource integrations.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

- REST API Field: **pointOfSaleInformation.partnerSdkVersion**
- SCMP API Field: **partner_sdk_version**
- Simple Order API Field: **partnerSDKversion**

pointOfSaleInformation. pinBlockEncodingFormat

Format that is used to encode the PIN block.

This value is provided by the client software that is installed on the POS terminal.

Possible values:

- **0**: ISO 9564 format 0
- **1**: ISO 9564 format 1
- **2**: ISO 9564 format 2
- **3**: ISO 9564 format 3

This field is available only for Cybersource integrations and only for processors that support chip and online PIN transactions.

Specifications

- Data Type: Integer
- Data Length: 1

Mapping Information

- REST API Field: **pointOfSaleInformation.pinBlockEncodingFormat**
- SCMP API Field: **pin_data_pin_block_encoding_format**
- Simple Order API Field: **pinDataPINblockEncodingFormat**

pointOfSaleInformation. pinEntrySolution

Type of PIN pad on the terminal.

Possible values:

- **PCI-SPoC**: Screen
- **PCI-PTS**: Physical PIN pad

Specifications

- Data Type: String
- Data Length: 50

Mapping Information

- REST API Field: **pointOfSaleInformation.pinEntrySolution**
- SCMP API Field: **terminal_pin_entry_solution**
- Simple Order API Field: **pos_pinEntrySolution**

pointOfSaleInformation. serviceCode

Service code that is included in the track data.

This field is available only for American Express and Mastercard transactions on the Visa Platform Connect processor.

You can extract the service code from the track data and provide it in this API field.

Specifications

- Data Type: String

- Data Length: 3

Mapping Information

- REST API Field: **pointOfSaleInformation.serviceCode**
- SCMP API Field: **pos_service_code**
- Simple Order API Field: **pos_serviceCode**

pointOfSaleInformation. storeAndForwardIndicator

When connectivity is unavailable, the client software that is installed on the POS terminal can store a transaction in its memory and send it for authorization when connectivity is restored.

This value is provided by the client software that is installed on the POS terminal.

This value is not sent to the processor. Instead, the value is forwarded to the Cybersource reporting software.

Possible values:

- **true**: Transaction was stored and then forwarded.
- **false** (default): Transaction was not stored and then forwarded.

This field is available only for Cybersource integrations.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **pointOfSaleInformation.storeAndForwardIndicator**
- SCMP API Field: **store_and_forward_indicator**
- Simple Order API Field: **pos_storeAndForwardIndicator**

pointOfSaleInformation. terminalCapability

POS terminal's capability.

This field is available only for the American Express Direct, BNP Paribas France, Banque de France et Tresor Public, Chase Paymentech Solutions, Credit Mutuel-CIC, FDC Nashville Global, FDMS Nashville, GPN, JCN Gateway, OmniPay Direct, Prosa, RBS WorldPay Atlanta, SIX, TSYS Acquiring Solutions, Visa Platform Connect, and Worldpay VAP processors.

Possible values:

- **0**: Terminal does not support PINs.
- **1**: Terminal has a magnetic stripe reader only.
- **2**: Terminal has a magnetic stripe reader and manual entry capability.
- **3**: Terminal has manual entry capability only.
- **4**: Terminal can read chip cards.
- **5**: Terminal can read contactless chip cards; cannot use contact to read chip cards.
- **6**: Terminal can read both contact and contactless chip cards.

For an EMV transaction, the value of this field must be a value of **4** or **5**.

Specifications

- Data Type: Integer
- Data Length: 1

Mapping Information

- REST API Field: **pointOfSaleInformation.terminalCapability**
- SCMP API Field: **terminal_capability**
- Simple Order API Field: **pos_terminalCapability**

pointOfSaleInformation. terminalCardCaptureCapability

Indicates whether the terminal can capture the card.

This field is available only for Cybersource integrations on the Visa Platform Connect processor.

Possible values:

- **1**: Terminal can capture card.
- **0**: Terminal cannot capture card.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **pointOfSaleInformation.terminalCardCaptureCapability**
- SCMP API Field: **terminal_card_capture_capability**
- Simple Order API Field: **pos_terminalCardCaptureCapability**

pointOfSaleInformation. terminalCompliance

Flag that indicates whether the terminal is compliant with standards mandated by the Reserve Bank of India for card-present domestic transactions in India.

This field is available only for Mastercard transactions on the Visa Platform Connect processor.

Format:

- First character indicates whether the terminal supports terminal line encryption (TLE). Possible values:
 - **1**: Not certified
 - **2**: Certified
- Second character indicates whether the terminal supports Unique Key Per Transaction (UKPT) and Derived Unique Key Per Transaction (DUKPT). Possible values:
 - **1**: Not certified
 - **2**: Certified

Example: **21** indicates that the terminal supports TLE but does not support UKPT/DUKPT. You and the terminal vendors are responsible for terminal certification. If you have questions, contact your acquirer.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR6
- Position: 92-93
- Field: Mastercard Terminal Compliance Indicator

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: Integer
- Data Length: 2

Mapping Information

- REST API Field: **pointOfSaleInformation.terminalCompliance**
- SCMP API Field: **terminal_compliance**
- Simple Order API Field: **pos_terminalCompliance**

pointOfSaleInformation. terminalId

Terminal identifier assigned by the acquirer.

This value must be printed on the receipt.

This field is a request and response field.

This field is available only for Cybersource integrations.

For requests, you can define this value yourself; however, you should consult the processor for requirements.

These processors have specific requirements:

FDC Nashville Global

To have your account configured to support this field, contact customer support. This value must be a value that FDC Nashville Global issued to you.

Visa Platform Connect

A list of all possible values is stored in your account. When terminal ID validation is enabled for your account, the value you send for this field is validated against the list each time you include the field in a request. To enable or disable terminal ID validation, contact customer support. When you do not include this field in a request, the default value in your account is used.

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

- REST API Field: **pointOfSaleInformation.terminalId**
- SCMP API Field: **terminal_id**
- Simple Order API Field: **pos_terminalID**

pointOfSaleInformation. terminalInputCapability

Complete list of card input methods supported by the terminal.

Possible values:

- **Keyed**: Terminal can accept card data that is entered manually.
- **Swiped**: Terminal can accept card data from a magnetic stripe reader.
- **Contact**:: Terminal can accept card data in EMV contact mode.
- **Contactless**:: Terminal can accept card data in EMV contactless mode.
- **BarCode**:: Terminal can read bar codes.
- **QRcode**:: Terminal can read QR codes.
- **OCR**:: Terminal can perform optical character recognition (OCR).

This field is available only for Cybersource integrations.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **pointOfSaleInformation.terminalInputCapability**
- SCMP API Field: **terminal_input_capabilities_#**
- Simple Order API Field: **pos_terminalInputCapabilities_#**

pointOfSaleInformation. terminalOutputCapability

Indicates whether the terminal can print or display messages.

Possible values:

- **1**: Neither
- **2**: Print only
- **3**: Display only
- **4**: Print and display

This field is available only for Cybersource integrations.

For Mastercard cashback transactions, you must send this field with the value of **5** to indicate that the terminal supports purchase-only approvals.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **pointOfSaleInformation.terminalOutputCapability**

- SCMP API Field: **terminal_output_capability**
- Simple Order API Field: **pos_terminalOutputCapability**

pointOfSaleInformation. terminalPinCapability

Maximum PIN length that the terminal can capture.

Possible values:

- **0**: No PIN capture capability
- **1**: PIN capture capability unknown
- **2**: PIN pad down.
- **4**: Four characters
- **5**: Five characters
- **6**: Six characters
- **7**: Seven characters
- **8**: Eight characters
- **9**: Nine characters
- **10**: Ten characters
- **11**: Eleven characters
- **12**: Twelve characters

This field is available only for Cybersource integrations on the Visa Platform Connect processor.

The value of this field corresponds to this data in the TC 33 capture file:

- Record: CP01 TCR 1
- Position: 15-16
- Field: POS Entry Mode

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **pointOfSaleInformation.terminalPinCapability**
- SCMP API Field: **terminal_pin_capability**
- Simple Order API Field: **pos_terminalPINcapability**

pointOfSaleInformation. terminalSerialNumber

Terminal serial number assigned by the hardware manufacturer.

This value is provided by the client software that is installed on the POS terminal.

This value is not sent to the processor. Instead, the value is forwarded to the Cybersource reporting software.

This field is available only for Cybersource integrations.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

- REST API Field: **pointOfSaleInformation.terminalSerialNumber**
- SCMP API Field: **terminal_serial_number**
- Simple Order API Field: **pos_terminalSerialNumber**

pointOfSaleInformation. trackData

For card-present transactions, this field applies to the card's track 1 and 2 data. For PIN debit transactions, this field applies to track 2 data from the debit card; the sentinels are required.

This field is available only for the American Express Direct, Banque de France et Tresor Public, BNP Paribas France, Chase Paymentech Solutions, Credit Mutuel-CIC, FDC Nashville Global, FDMS Nashville, GPN, JCN Gateway, OmniPay Direct, Prosa, RBS WorldPay Atlanta, SIX, TSYS Acquiring Solutions, Visa Platform Connect and Worldpay VAP processors.

Card-Present Transactions

FDMS Nashville: This value consists of one of the following:

- Track 1 data
- Data for both tracks 1 and 2

Other Processors: This value consists of one of the following:

- Track 1 data
- Track 2 data
- Data for both tracks 1 and 2

Example:

```
%B41111111111111111111111111111111^SMITH/ JOHN
^2412101976110000086800000000?;41111111111111111111111111111111=241210197611
```

PIN Debit Transactions

In the following example, the card number is 4111111111111111, the expiration year is 16, and the expiration month is 12. The end sentinel (?) follows the final character of data recorded on the track.

Example:

```
;41111111111111111111111111111111=161210197611868000000?
```

Specifications

- Data Type: String
- Data Length: 119

Mapping Information

- REST API Field: **pointOfSaleInformation.trackData**
- SCMP API Field: **track_data**
- Simple Order API Field: **pos_trackData**

processingInformation

The following fields provide processing information.

processingInformation.actionList

One or more actions to be included with payment.
These actions invoke other services bundled with the risk service.
Possible values are:

- **DECISION_SKIP**: Skips Decision Manager services.
- **TOKEN_CREATE**: Creates a token from the payment data in your request.
- **CONSUMER_AUTHENTICATION**: Verifies that a card is enrolled in Payer Authentication along with your request.
- **VALIDATE_CONSUMER_AUTHENTICATION**: Includes a Payer Authentication result in your request.

Specifications

- Data Type: Array of strings
- Data Length: 2,147,483,647

Mapping Information

- REST API Field: **processingInformation.actionList**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

processingInformation.actionTokenTypes

Indicates the type of TMS token to be created in the request.

Possible Values

- `customer`
- `instrumentIdentifier`
- `paymentInstrument`
- `shippingAddress`

Specifications

- Data Type: Enum
- Data Length: 20

Mapping Information

No corresponding fields.

processingInformation. authorizationOptions.aftIndicator

Indicates whether the transaction is an AFT transaction.

Barclays

This field is required for Visa card transactions that use the Payouts AFT services.

Chase Paymentech Solutions

This field is required for Mastercard and Visa card transactions that use the Payouts AFT services.

Possible values:

- `true`: This is an AFT transaction.
- `false` (default): This is not an AFT transaction.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: `processingInformation.authorizationOptions.aftIndicator`
- SCMP API Field: `aft_indicator`
- Simple Order API Field: `aft_indicator`

processingInformation. authorizationOptions. aggregatedAuthIndicator

Flag for a mass transit transaction that indicates whether the authorization is aggregated. This field is available only for mass transit transactions on the Visa Platform Connect processor.

Possible values:

- `true`: Aggregated
- `false` (default): Not aggregated

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR7
- Position: 150-151
- Field: Transit Transaction Type Indicator

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.aggregatedAuthIndicator**
- SCMP API Field: **aggregated_auth_indicator**
- Simple Order API Field: **ccAuthService_aggregatedAuthIndicator**

processingInformation. authorizationOptions. authIndicator

Purpose of the authorization.

Possible values:

- `0`: Preauthorization.
- `1`: Final authorization.

To set the default for this field, contact customer support.

Barclays and Elavon

The default for Barclays and Elavon is **1** (final authorization). To change the default for this field, contact customer support.

Visa Platform Connect

When the value for this field is **0**, it corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCRO
- Position: 164
- Field: Additional Authorization Indicators

When the value for this field is **1**, it does not correspond to any data in the TC 33 capture file.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.authIndicator**
- SCMP API Field: **auth_indicator**
- Simple Order API Field: **authIndicator**

processingInformation. authorizationOptions. authType

Authorization type.

Possible values:

- **AUTOCAPTURE**: Automatic capture
- **STANDARDCAPTURE**: Standard capture
- **VERBAL**: Forced capture or verbal authorization

Automatic Capture and Standard Capture

To request an automatic capture if your account is not configured for automatic captures, set this field to **AUTOCAPTURE** and include it in a bundled authorization and capture request.

To override an automatic capture and request a standard capture if your account

is configured for automatic captures, set this field to **STANDARDCAPTURE** and include it in a standard authorization or bundled authorization and capture request.

Forced Capture

A forced capture occurs when you process an authorization outside the Cybersource system but then capture the order through Cybersource. To indicate that you are performing a forced capture, set this field to **verbal** and include it in a bundled authorization and capture request along with other fields required for a forced capture.

Verbal Authorization

When you request an authorization through Cybersource, the issuing bank might ask you to call the payment processor to answer questions about the transaction. When this happens, the processor gives you a verbal authorization code for the transaction. To indicate that you are capturing a verbal authorization, set this field to **verbal** and include it in a capture request along with other fields required for a verbal authorization.

Specifications

Automatic Capture and Standard Capture:

- Data Type: String
- Data Length: 15

Forced Capture and Verbal Authorization:

- Data Type: String
- Data Length: 11

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.authType**
- SCMP API Field: **auth_type**
- Simple Order API Fields:
 - **ccAuthService_authType**
 - **ccCaptureService_authType**

processingInformation. authorizationOptions. balanceInquiry

Flag that specifies whether to return balance information.

Possible values:

- **true**: Return balance information.
- **false**: Do not return balance information.

Specifications

- Data Type: Boolean

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.balanceInquiry**
- Simple Order API Field: **balanceInquiry**

processingInformation. authorizationOptions. billPayment

Indicates payment for bill or payment towards existing contractual loan.

For Visa card types only.

- Authorization service: Flag that specifies whether this payment is for a bill or for an existing contractual loan. This value is case sensitive. Possible values:
 - **true**: Visa bill payment or loan payment.
 - **false** (default): Not a Visa bill payment or loan payment.
- Capture service: Flag that specifies whether this is a credit for a bill that the customer paid with a Visa card. Possible values:
 - **true**: Credit for a Visa bill payment.
 - **false** (default): Not a credit for a Visa bill payment.

Specifications

- Data Type: Boolean

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.billPayment**
- SCMP API Field: **bill_payment**

- Simple Order API Fields:
 - For Card-Not-Present and Card-Present Transactions: **ccAuthService_billPayment**
 - For Card-Not-Present Transactions Only: **ccCreditService_billPayment**

processingInformation. authorizationOptions. billPaymentType

Reason for the payment.

Possible values:

- **001**: Utility payment.
- **002**: Government services.
- **003**: Mobile phone top-up.
- **004**: Coupon payment.
- **005**: Installment-based repayment.

This field is available only for bill payments in Brazil with Mastercard on the Visa Platform Connect processor. To participate in the Mastercard Bill Payment program, you must sign up with Mastercard.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP07 TCRO
- Position: 48-50
- Field: Bill Payment Transaction Type Identifier

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.billPaymentType**
- SCMP API Field: **bill_payment_type**
- Simple Order API Field: **billPaymentType**

processingInformation. authorizationOptions. cashAdvanceIndicator

Indicates that an ATM or bank dispensed a cash advance on a credit card.

Possible values:

- `true`: Transaction is a cash advance.
- `false`: Transaction is not a cash advance.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: `processingInformation.authorizationOptions.cashAdvanceIndicator`
- SCMP API Field: `cash_advance_indicator`
- Simple Order API Field: `cashAdvanceIndicator`

processingInformation. authorizationOptions. debtRecoveryIndicator

Flag for a mass transit transaction that indicates whether the purpose of the authorization is to recover debt.

This field is available only for mass transit transactions.

Possible values:

- `true`: Debt recovery transaction
- `false` (default): Not a debt recovery transaction

Visa Platform Connect

This field is required for MTT merchant-initiated mail order or telephone order (MOTO) debt recovery on Visa Platform Connect and optional for other kinds of MTT debt recovery and other processors. The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR7
- Position: 150-151
- Field: Transit Transaction Type Indicator

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses

this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.debtRecoveryIndicator**
- SCMP API Field: **debt_recovery_indicator**
- Simple Order API Field: **ccAuthService_debtRecoveryIndicator**

processingInformation. authorizationOptions.declineAvsFlags

List of AVS codes that cause the request to be declined for AVS reasons.
Use a space to separate the values in the list.

Important

To receive declines for the AVS code N, include the value N in the list.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.declineAvsFlags**
- SCMP API Field: **decline_avs_flags**
- Simple Order API Field: **businessRules_declineAVSFlags**

processingInformation. authorizationOptions. deferredAuthIndicator

Flag that indicates whether the authorization request is a deferred authorization.

This field is available for Mastercard transactions on the Visa Platform Connect processor.
Possible values:

- `true`: Deferred authorization
- `false` (default): Not a deferred authorization

For mass transit transactions, the value for this field corresponds to this data in the TC 33 capture file:

- First data item:
 - Record: CP01 TCRO
 - Position: 160-163
 - Field: Message Reason Code
- Second data item:
 - Record: CP01 TCR7
 - Position: 150-151
 - Field: Transit Transaction Type Indicator

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: Boolean
- Data Length: 5

Mapping Information

- REST API Field: `processingInformation.authorizationOptions.deferredAuthIndicator`
- SCMP API Field: `auth_deferred_auth_indicator`
- Simple Order API Field: `ccAuthService_deferredAuthIndicator`

processingInformation. authorizationOptions. ignoreAvsResult

Flag for a sale request that specifies whether to allow the capture service to run even when the authorization receives an AVS decline.

An AVS decline is indicated by a response flag value of `DAVSNO`.

Possible values:

- `true`: Ignore the results of AVS checking, and run the capture service.

- **false** (default): If the authorization receives an AVS decline, do not run the capture service.

When the value of this field is **true**, the list in the **processingInformation.authorizationOptions.declineAvsFlags** field is ignored.

Specifications

- Data Type: Boolean

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.ignoreAvsResult**
- SCMP API Field: **ignore_avs**
- Simple Order API Field: **businessRules_ignoreAVSResult**

processingInformation. authorizationOptions. ignoreCvResult

Flag for a sale request that specifies whether to allow the capture service to run even when the authorization receives a CVN decline.

A CVN decline is indicated by the **processorInformation.cardVerification.resultCode** value of **D** or **N**.

Possible values:

- **true**: Ignore the results of CVN checking, and run the capture service.
- **false** (default): If the authorization receives a CVN decline, do not run the capture service.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.ignoreCvResult**
- SCMP API Field: **ignore_bad_cv**
- Simple Order API Field: **businessRules_ignoreCVResult**

processingInformation. authorizationOptions.initiator. credentialStoredOnFile

Indicates whether the customer initiated the transaction and whether the credentials are stored for future authorizations.

This field is available only on the FDC Compass and Visa Platform Connect processors.

Future authorizations that use the stored credentials can be merchant-initiated transactions or customer-initiated credentials-on-file transactions.

Possible values:

- **true**: Credentials from this transaction are stored for future authorizations.
- **false**: Credentials from this transaction are not stored for future authorizations.

For the endpoint `/tss/v2/transactions/{id}`, possible values are **Y** or **N**.

Visa Platform Connect

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR1
- Position: 136
- Field: POS Environment

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length: 5

For the endpoint `/tss/v2/transactions/{id}`, the data length is 1.

Mapping Information

- REST API Field:
processingInformation.authorizationOptions.initiator.credentialStoredOnFile
- SCMP API Field: **subsequent_auth_first**
- Simple Order API Field: **subsequentAuthFirst**

processingInformation. authorizationOptions. initiator. merchantInitiatedTransaction. originalAuthorizedAmount

Amount of the original authorization.

This field is available only on the FDC Compass, FDC Nashville Global, Streamline, and Visa Platform Connect processors.

This field is available only for the following types of transactions using Discover:

- Merchant-initiated transactions.
- FDC Nashville Global: Recurring payments that use payment network tokens.
- FDC Nashville Global and Streamline: Subsequent authorizations.

Specifications

- Data Type: String
- Data Length: 60

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.initiator.merchantInitiatedTransaction.originalAuthorizedAmount**
- SCMP API Field: **subsequent_auth_original_amount**
- Simple Order API Field: **subsequentAuthOriginalAmount**

processingInformation. authorizationOptions. initiator. merchantInitiatedTransaction. processorTransactionID

This field is available only on the FDMS Nashville processor.

The transaction ID value for subsequent merchant-initiated transactions. The value for this field is returned in the **processorInformation.transactionID** field in the response message for the initial authorization in the series.

Specifications

- Data Type: String
- Data Length: 16

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.initiator.merchantInitiatedTransaction.processorTransactionID**
- SCMP API Field: **processor_trans_id**
- Simple Order API Field: **processorTransId**

processingInformation. authorizationOptions. initiator. merchantInitiatedTransaction. reason

The reason for the incremental authorization or merchant-initiated transaction. This field is available only for incremental authorizations and the types of merchant-initiated transactions identified in the table of possible values below. This field is available only on the FDC Compass and Visa Platform Connect processors. To include this field in an API request, set the value of the field to one of the values in the Possible Values column.

Field Values

Possible Values	Transaction Type	Supported Card Type(s)	
1	Resubmission	Mastercard	Discover Visa
2	Delayed charge	Mastercard	Discover Visa
3	Reauthorization	Visa	Discover
4	No show	Mastercard	Discover Visa
5	Incremental authorization	Visa	Discover

Possible Values	Transaction Type	Supported Card Type(s)
6	Partial shipment	Discover Mastercard
7	Recurring or subscription	Mastercard
8	Standing order	Mastercard
9	Installment	Mastercard
10	Unscheduled Card-on-File (COF)	Mastercard Discover American Express

Visa Platform Connect

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCRO
- Position: 160-163
- Field: Message Reason Code

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.initiator.merchantInitiatedTransaction.reason**
- SCMP API Field: **subsequent_auth_reason**
- Simple Order API Field: **subsequentAuthReason**

**processingInformation.
authorizationOptions.initiator.
merchantInitiatedTransaction.
previousTransactionID**

Network transaction identifier that was returned for a previous authorization in the series.

This field is available only on the FDC Compass, FDI Australia, and Visa Platform Connect processors.

The value for this field was returned in the **processorInformation.transactionID** field in the response message for either the original authorization in the series or the previous authorization in the series.

FDI Australia

This field is supported only for installment payments and merchant-initiated transactions.

Specifications

- Data Type: String
- Data Length:
 - 29 (Discover and Diners Club)
 - 15 (All other card types)

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.initiator.merchantInitiatedTransaction.previousTransactionID**
- SCMP API Field: **subsequent_auth_transaction_id**
- Simple Order API Field: **subsequentAuthTransactionID**

processingInformation. authorizationOptions.initiator. storedCredentialUsed

Indicates whether you obtained the payment information from credentials on file (COF) instead of from the customer.

This field is supported only for FDC Compass and Visa Platform Connect.

Possible values:

- **true**: Transaction uses COF.
- **false**: Transaction does not use COF.

When you use the Token Management Service, this field is set to **true** for you.

Specifications

- Data Type: Boolean

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.initiator.storedCredentialUsed**
- SCMP API Field: **subsequent_auth_stored_credential**
- Simple Order API Field: **subsequentAuthStoredCredential**

processingInformation. authorizationOptions.initiator.type

Indicates whether the requested installment payment or recurring payment is a merchant-initiated transaction (MIT).

This field is available only on the FDC Compass, FDC Nashville Global, Streamline, and Visa Platform Connect processors.

This field can be used with these request fields:

- The **processingInformation.commerceIndicator** field set to **recurring** (for recurring transactions) or **install** (for installment transactions).
- The **processingInformation.authorizationOptions.initiator.merchantInitiatedTransaction.reasonsubsequentAuthReason** field set to any value supported for that field.

Possible values:

- **merchant**: Merchant-initiated transaction.
- **customer**: Not a merchant-initiated transaction.

Visa Platform Connect: The value for this field does not correspond to any data in the TC 33 capture file.

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.initiator.type**
- SCMP API Field: **subsequent_auth**
- Simple Order API Field: **subsequentAuth**

processingInformation. authorizationOptions. partialAuthIndicator

Flag that specifies whether to enable the transaction for partial authorization. This field is available only for the FDC Compass and Visa Platform Connect processor. When a request includes this field, this value overrides the information in your account. Possible values:

- **true**: Enable the transaction for partial authorization.
- **false**: Do not enable the transaction for partial authorization.

Visa Platform Connect

To set the default for this field, contact customer support. The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR0
- Position: 164
- Field: Additional Authorization Indicators

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.partialAuthIndicator**
- SCMP API Fields:
 - **auth_partial_auth_indicator**
 - **pin_debit_purchase_partial_auth_indicator**
- Simple Order API Fields:
 - **ccAuthService_partialAuthIndicator**
 - **pinDebitPurchaseService_partialAuthIndicator**

processingInformation. authorizationOptions. paymentTypeIndicator

This value indicates whether the transaction is a Credential-on-File, installment, or recurring payment. It is sent only for transactions processed by SMCC.

Possible values:

- **C**: Credential on File for initial storage, or unscheduled card on file for subsequent merchant-initiated transactions.
- **I**: Installment payment.
- **R**: Recurring payment, such as for utility bills and magazines.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.paymentTypeIndicator**
- SCMP API Field: **payment_type_indicator**
- Simple Order API Field: **paymentTypeIndicator**

processingInformation. authorizationOptions. splitPaymentTransaction

Flag that indicates a split payment transaction. A split payment allows the use of two payment methods for a single transaction.

Possible values:

- **true**: split payment transaction is supported
- **false** (default): split payment transaction is not supported

Specifications

- Data Type: Boolean
- Data Length: 5

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.splitPaymentTransaction**
- SCMP API Field: **split_payment_transaction**
- Simple Order API Field: **ccAuthService_splitPaymentTransaction**

processingInformation. authorizationOptions.transactionMode

Transaction mode identifier. Identifies the specific channel from which the transaction originates.

This field is required for all mobile and telephone transactions from Saudi Arabia merchants.

Possible values:

- **M**: mobile order
- **T**: telephone order

Specifications

- Data Type: Alphanumeric
- Data Length: 1

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.transactionMode**
- SCMP API Field: **transaction_mode**
- Simple Order API Field: **transactionMode**

processingInformation. authorizationOptions.transportationMode

Mode of transportation or type of transportation-related payment.

This field is available only for the Visa Platform Connect processor.

Possible values:

- **00**: Use this value for debt recovery, more than one transportation mode, or an unknown transportation mode.
- **01**: Urban bus
- **02**: Interurban bus
- **03**: Light train mass transit
- **04**: Train
- **05**: Commuter train
- **06**: Waterborne vehicle
- **07**: Toll
- **08**: Parking

- **09**: Taxi
- **10**: High-speed train
- **11**: Rural bus
- **12**: Express commuter train
- **13**: Paratransit
- **14**: Self-driving vehicle
- **15**: Coach
- **16**: Locomotive
- **17**: Powered motor coach
- **18**: Trailer
- **19**: Regional train
- **20**: Inter-city transportation
- **21**: Funicular train
- **22**: Cable car

This field is supported only for mass transit transactions.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR7
- Position: 153-154
- Field: Transportation Mode Indicator

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.transportationMode**
- SCMP API Field: **transportation_mode**
- Simple Order API Field: **ccAuthService_transportationMode**

processingInformation. authorizationOptions.verbalAuthCode

Authorization code you received verbally or other manner outside of the system.

Specifications

- Data Type: String
- Data Length: 7
- Data Length:
 - JCN Gateway: Data Length: 6 (captures), 7 (all other services)
 - All other processors: 7

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.verbalAuthCode**
- SCMP API Fields:
 - **auth_code**
 - **pin_debit_purchase_authorization_code**
- Simple Order API Fields:
 - **ccAuthService_verbalAuthCode**
 - **ccCaptureService_verbalAuthCode**
 - **pinDebitPurchaseService_verbalAuthCode**

processingInformation. authorizationOptions. verbalAuthTransactionId

Transaction ID (TID).

This field is available only for the American Express card type on the American Express Direct and FDMS South processors.

This field enables you to comply with American Express CAPN requirements.

Forced Capture

Obtain the value for this field from the authorization response.

Verbal Authorization

You cannot obtain a value for this field so Cybersource uses the default value of **0000000000000000** (15 zeros).

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.verbalAuthTransactionId**
- SCMP API Field: **bill_transaction_id**
- Simple Order API Field: **ccCaptureService_transactionID**

processingInformation. authorizationOptions. cardVerificationIndicator

Indicates a card verification check during a transaction.

Possible values:

- **True:** Transaction includes a card verification check.
- **False:** Transaction does not include a card verification check.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **processingInformation.authorizationOptions.cashAdvanceIndicator**
- SCMP API Field: **auth_card_verification_indicator**
- Simple Order API Field: **ccAuthService_cardVerificationIndicator**

processingInformation. bankTransferOptions. effectiveDate

Effective date for the transaction.

The effective date must be within 45 days of the current day. If you do not include this value, Cybersource sets the effective date to the next business day.

Format: MMDDYYYY

This field is available only for the Cybersource ACH Service processor.

When the effective date is not set, the echeck transaction is batched at the next available batch time. When the echeck transaction is batched, the payment status changes to Payment. However, when the effective date is set to a date in advance, the transaction batches on the set date. While the transaction is awaiting batching, the transaction status

is set to Submitted. When the echeck transaction is batched on the effective date, the transaction status changes to Payment.

Specifications

- Data Type: String
- Data Length: 8
- REST API Field: **processingInformation.bankTransferOptions.effectiveDate**
- SCMP API Field: **ecp_effective_date**
- Simple Order API Fields
 - **ecCreditService_effectiveDate**
 - **ecDebitService_effectiveDate**

processingInformation. bankTransferOptions. fraudScreeningLevel

Level of fraud screening. Possible values:

- **1**: Validation (default if the field has not already been configured for your merchant ID)
- **2**: Verification
- **3**: Guarantee

Specifications

- Data Type: Non-negative integer
- Data Length: 1

Mapping Information

- REST API Field: **processingInformation.bankTransferOptions.fraudScreeningLevel**
- SCMP API Fields:
 - **ecp_debit_verification_level**
 - **ecp_verification_level**
- Simple Order API Fields:
 - **ecDebitReply_verificationLevel**
 - **ecDebitService_verificationLevel**

processingInformation. bankTransferOptions. paymentCategoryCode

Flag that indicates whether to process the payment.

Use with deferred payments.

Possible values:

- **0**: Standard debit with immediate payment (default).
- **1**: For deferred payments, indicates that this is a deferred payment and that you will send a debit request with `ecp_payment_mode=2` in the future.
- **2**: For deferred payments, indicates notification to initiate payment.
 - Chase Paymentech Solutions and TeleCheck processors: use for deferred and partial payments.
 - Cybersource ACH Service: not used.

Specifications

- Data Type: Integer
- Data Length: 1

Mapping Information

- REST API Field: **processingInformation.bankTransferOptions.paymentCategoryCode**
- SCMP API Field: **ecp_payment_mode**
- Simple Order API Fields: **ecDebitService_paymentMode**

processingInformation. bankTransferOptions. secCode

Authorization method used for the transaction.

Possible values:

- **ARC**: Accounts receivable conversion; check mailed and processed electronically (only used with the Chase Paymentech Solutions processor)
- **CCD**: Cash concentration or disbursement; funds distributed or consolidated between corporate entities (do not use with the TeleCheck processor)
- **PPD**: Prearranged payment and deposit; payment from a non-consumer organization to a consumer account

- **TEL**: Telephone initiated
- **WEB**: Internet or wireless network initiated

Chase Paymentech Solutions

In Canada, use **WEB** for all ACH transactions.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **processingInformation.bankTransferOptions.secCode**
- SCMP API Field: **ecp_sec_code**
- Simple Order API Fields: **check_secCode**

processingInformation. bankTransferOptions. settlementMethod

Method used to settle the credit. Possible values:

- **A**: Automated Clearing House
- **B**: Best possible
- **F**: Facsimile

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processingInformation.bankTransferOptions.settlementMethod**
- SCMP API Fields:
 - **ecp_credit_settlement_method**
 - **ecp_debit_settlement_method**
 - **ecp_settlement_method**
- Simple Order API Fields:
 - **ccCreditReply_settlementMethod**
 - **ecCreditReply_settlementMethod**
 - **ecCreditService_settlementMethod**
 - **ecDebitReply_settlementMethod**

- **ecDebitService_settlementMethod**

processingInformation. bankTransferOptions. terminalCity

City in which the terminal is located.

If more than four alphanumeric characters are submitted, the transaction will be declined.
You cannot include any special characters.

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **processingInformation.bankTransferOptions.terminalCity**
- SCMP API Field: **ecp_terminal_city**
- Simple Order API Fields: **check_terminalCity**

processingInformation. bankTransferOptions. terminalState

State in which the terminal is located.

If more than two alphanumeric characters are submitted, the transaction will be declined.
You cannot include any special characters.

Specifications

- Data Type: String
- Data Length: 2-character USPS code

Mapping Information

- REST API Field: **processingInformation.bankTransferOptions.terminalState**
- SCMP API Field: **ecp_terminal_state**
- Simple Order API Fields: **check_terminalState**

processingInformation.binSource

Source of the bank identification number (BIN).

You must provide the BIN source value for a source-level lookup. When you do not include this field, the lookup is performed against the default merged BIN sources data.

Possible values:

- `itmx`
- `rupay`

Specifications

- Data Type: String
- Data Length: 20

Mapping Information

No corresponding fields.

processingInformation.businessApplicationId

Type of transaction.

This field is a pass-through, which means that the value is not verified or modified in any way before it is sent to the processor.

You can provide a business application ID in this field or in your account. When a request includes this field, the value in the field overrides the information in your account. Call customer support to update your account information.

For all services on the Visa Platform Connect processor

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR8
- Position: 108-109
- Field: Business Application Identifier (BAI)

For non-Payouts transactions

Possible values:

- `AA`: Account to account.
- `BB`: Business to business.
- `BI`: Bank-initiated money transfer.
- `BP`: Non-card bill payment.
- `CB`: Consumer Bill Payment

- **CC**: Cash claim.
- **CI**: Cash in.
- **CO**: Cash out.
- **CP**: Card bill payment.
- **FD**: Funds disbursement (general), including:
 - Commission payments
 - Digital goods or games
 - Insurance payments
 - Loan disbursements
 - Lottery payouts
 - Shared economy
 - Non-government-initiated tax refund services such as tax preparation businesses
- **GD**: Government disbursement, including:
 - Government-initiated tax refunds
 - Government benefit and welfare disbursements
- **GP**: Gambling payout other than online gambling.
- **LO**: Loyalty credits and rebates (not supported in European systems).
- **MA**: Mobile air time payment.
- **MD**: Merchant disbursement (acquirers or aggregators settling to merchants).
- **MI**: Merchant-initiated money transfer.
- **MP**: Face-to-face merchant payment.
- **OG**: Online gambling payout.
- **PD**: Payroll pension disbursement.
- **PG**: Payment to government.
- **PP**: Person to person.
- **PS**: Payment for goods and services (general).
- **RP**: Request to pay.
- **TU**: Top-up for enhanced prepaid loads.
- **WT**: Wallet transfer.

For Payouts transactions on the Barclays, FDC Compass, and Visa Platform Connect processors

Possible values:

- **BB**: Business to business.
- **CB**: Consumer Bill Payment
- **FD**: Funds disbursement (general), including:
 - Commission payments
 - Digital goods or games
 - Insurance payments
 - Loan disbursements
 - Lottery payouts

- Shared economy
- Non-government-initiated tax refund services such as tax preparation businesses
- **GD**: Government disbursement, including:
 - Government-initiated tax refunds
 - Government benefit and welfare disbursements
- **GP**: Gambling payout other than online gambling.
- **LO**: Loyalty credits and rebates (not supported in European systems).
- **MD**: Merchant disbursement (acquirers or aggregators settling to merchants).
- **OG**: Online gambling payout.
- **PD**: Payroll pension disbursement.
- **WT**: Wallet transfer.

Possible values:

- **PP**: Person to person
- **RP**: Request to pay.

For Payouts transactions on Chase Paymentech Solutions

Possible values:

- **PP**: Person to person.
- **WT**: Wallet transfer.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **processingInformation.businessApplicationId**
- SCMP API Fields:
 - **business_application_id**
 - **consumer_bill_payment**
- Simple Order API Fields:
 - **ccAuthService_consumerBillPayment**
 - **invoiceHeader_businessApplicationID**

processingInformation. capture

Flag that indicates whether to include a capture with the authorization, making it a bundled transaction, which is also known as a sale.

Possible values:

- **true**: Include a capture with the authorization.
- **false** (default): Do not include a capture with the authorization.

Specifications

- Data Type: Boolean
- Data Length: 5

Mapping Information

- REST API Field: **processingInformation.capture**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

processingInformation.captureOptions.captureSequenceNumber

Capture number when requesting multiple partial captures for one authorization. This value is used along with **processingInformation.captureOptions.totalCaptureCount** to track which capture is being processed.

Example: These are the values for the second of five captures:

```
processingInformation.captureOptions.captureSequenceNumber=2  
processingInformation.captureOptions.totalCaptureCount=5
```

Visa Platform Connect

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR8
- Position: 158-159
- Field: Clearing Sequence Number

Specifications

- Data Type: Integer
- Data Length: 2

Mapping Information

- REST API Field: **processingInformation.captureOptions.captureSequenceNumber**
- SCMP API Field: **capture_sequence**
- Simple Order API Field: **ccCaptureService_sequence**

processingInformation.captureOptions.dateToCapture

Date on which the customer initiated a contactless transit transaction.
This field is available only for mass transit transactions.
Format: MMDD

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **processingInformation.captureOptions.dateToCapture**
- SCMP API Field: **auth_capture_date**
- Simple Order API Field: **ccAuthService_captureDate**

processingInformation.captureOptions.totalCaptureCount

Total number of captures when requesting multiple partial captures for one authorization.
This value is used along with **processingInformation.captureOptions.captureSequenceNumber** to track which capture is being processed.

Example: These are the values for the second of five captures:

```
processingInformation.captureOptions.captureSequenceNumber=2  
processingInformation.captureOptions.totalCaptureCount=5
```

Visa Platform Connect

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR8
- Position: 160-161
- Field: Clearing Sequence Count

Specifications

- Data Type: Integer
- Data Length: 2

Mapping Information

- REST API Field: **processingInformation.captureOptions.totalCaptureCount**
- SCMP API Field: **capture_total_count**
- Simple Order API Field: **ccCaptureService_totalCount**

processingInformation.commerceIndicator

Type of transaction.

Some payment card companies use this information when determining discount rates.

Possible Values for the Authorization Service:

E-Commerce Indicator Values

Value	Description
5	Secure e-commerce transaction with a credential-on-file (COF) token. Include paymentinformation.tokenizedCard.cryptogram in the authorization request.
aesk	American Express SafeKey authentication was successful.
aesk attempted	American Express SafeKey authentication was attempted but did not succeed.
dipb	Discover card type.
install	Installment payment. For merchant-initiated transactions on Visa Platform Connect with Mastercard in India or with an India-issued card, the install value is used for the installment payment scenario and for unscheduled credentials-on-file transactions.
install_internet	Non-U.S. e-commerce (Internet) installment payment. This value is not supported on all processors.
internet	Default value for authorizations. E-commerce order placed from a website.
js	JCB J/Secure authentication was successful.
js_attempted	JCB J/Secure authentication was attempted but did not succeed.
moto	Mail order or telephone order.
moto_cc	Mail order or telephone order from a call center. This value is available only on gateways in Asia, the Middle East, and Africa. Contact your Customer Support representative for details.
pb	ProtectBuy authentication was successful.

Value	Description
pb_attempted	ProtectBuy authentication was attempted but did not succeed.
recurring	Recurring payment that is a U.S. transaction or non-U.S. mail order/telephone order (MOTO) transaction. For merchant-initiated transactions on Visa Platform Connect with Mastercard in India or with an India-issued card, the recurring value is used for the recurring payment scenario.
recurring_internet	Recurring payment that is a non-U.S. e-commerce (Internet) transaction.
retail	Card-present transaction.
rpy	RuPay PaySecure authentication was successful.
spa	For Mastercard Identity Check: Authentication was successful or was attempted but did not succeed. The e-commerce indicator for all Mastercard Identity Check transactions, including authentication attempts, must be set to spa. Otherwise, the transactions are processed as non-identity check transactions. For secure transactions in France: Successful authentication for a Mastercard card or a Cartes Bancaires card that is co-badged with Mastercard.
spa_failure	For Mastercard Identity Check: Authentication failed. For secure transactions in France: Authentication failure for a Mastercard card or a Cartes Bancaires card that is co-badged with Mastercard.
up3ds	For secure transactions for China UnionPay: Authentication was successful for a China UnionPay domestic debit card.
up3ds_attempted	For secure transactions for China UnionPay: Authentication was attempted but did not succeed for a China UnionPay domestic debit card.
up3ds_failure	For secure transactions for China UnionPay domestic debit cards: Authentication failed for a China UnionPay domestic debit card.
vbv	For Visa Secure: Authentication was successful. For secure transactions in France: Successful authentication for a Visa card or a Cartes Bancaires card that is co-badged with Visa.
vbv_attempted	For Visa Secure: Authentication was attempted but did not succeed. For secure transactions in France: Authentication was attempted for a Visa card or a Cartes Bancaires card that is co-badged with Visa.
vbv_failure	For Visa Secure: Authentication failed. For secure transactions in France: Authentication failure for a Visa card or a Cartes Bancaires card that is co-badged with Visa.

Possible values for the credit service

- **internet**: E-commerce order placed through a website.
- **moto**: Mail order or telephone order. Not supported on Cielo or UATP. On Barclays, this value is not permitted for Mestro International cards.
- **recurring**: Recurring payment that is a U.S. transaction or non-U.S. MOTO transaction. On Barclays, this value is not permitted for Mestro International cards.
- **recurring_internet**: Recurring payment that is a non-U.S. e-commerce (Internet) transaction.

Card-Present Transactions

For a card-present transaction, you must set this field to **retail**.

Payer Authentication

When you request the payer authentication and authorization services separately, get the value for this field from the **processingInformation.commerceIndicator** response field.

PIN Debit Transactions

For a PIN debit transaction, you must set this field to **retail**.

Apple Pay

For the merchant decryption method, one of these values is required: **aesk**, **dipb**, **internet**, **spa**, **vbv**.

Samsung Pay

For the merchant decryption method, one of these values is required: **aesk**, **internet**, **spa**.

Payouts

For the Barclays processor, the value for an account funding transaction (AFT) can be one of these indicators:

- **internet**—For a transaction that does not use 3-D Secure.
- **vbv** or **vbv_attempted**—For a transaction that uses 3-D Secure.

For the Chase Paymentech Solutions processor, the value for an account funding transaction (AFT) and original credit transaction (OCT) is **internet**.

For the FDC Compass and Visa Platform Connect processors, the value for an

original credit transaction (OCT) is internet.

Specifications

- Data Type: String
- Data Length:
 - Account funding transaction (AFT): 20
 - Card-not-present transaction: 20
 - Card-present transaction: 20
 - Original credit transaction (OCT): 13
 - PIN debit transaction: 13

Mapping Information

- REST API Field: **processingInformation.commerceIndicator**
- SCMP API Field: **e_commerce_indicator**
- Simple Order API Fields:
 - **ccAuthService_commerceIndicator**
 - **ccCreditService_commerceIndicator**
 - **octService_commerceIndicator**
 - **pinDebitCreditService_commerceIndicator**
 - **pinDebitPurchaseService_commerceIndicator**

processingInformation. electronicBenefitsTransfer.category

Flag that specifies the category for the EBT transaction.

Possible values:

- **cash**: Cash benefits, which can be used to purchase any item at a participating retailer, as well as to obtain cash-back or make a cash withdrawal from a participating ATM.
- **food**: Food stamp benefits, which can be used only to purchase food items authorized by the USDA SNAP program.

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **processingInformation.electronicBenefitsTransfer.category**
- SCMP API Field: **pin_debit_ebt_category**
- Simple Order API Fields:
 - **pinDebitCreditService_ebtCategory**
 - **pinDebitPurchaseService_ebtCategory**

processingInformation. electronicBenefitsTransfer. voucherSerialNumber

The serial number printed on the EBT voucher.

Specifications

- Data Type: Integer
- Data Length: 15

Mapping Information

- REST API Field:
processingInformation.electronicBenefitsTransfer.voucherSerialNumber
- SCMP API Field: **pin_debit_ebt_voucher_serial_number**
- Simple Order API Field: **pinDebitPurchaseService_ebtVoucherSerialNumber**

processingInformation.enableEscrowOption

Indicates whether to use the customer's escrow agreement.

The escrow agreement can be used only if the transaction is greater than or equal to 50,000 KRW. You must enter the shipping details in the KCP administration panel for escrow payments.

Primarily used for real estate transactions.



Important

Available only for bank transfer payments.

Possible values:

- **true**: Use the customer's escrow agreement.

- **false**: Do not use the customer's escrow agreement.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **processingInformation.enableEscrowOption**
- SCMP API Field: **ap_initiate_escrow_agreement**
- Simple Order API Field: **apInitiateService_escrowAgreement**

processingInformation. enablerId

This field is the Enabler Verification Value (EVV) that Visa assigns to identify an enabler. Instead of using acquirers, some merchants use enablers to process payments. Enablers are third parties with their own systems to process transactions for merchants or acquirers. This EVV is an optional five-character hexadecimal value that Visa assigns to identify the enabler that processes requests for authorization and OCT services. If the wrong enabler ID is used in a transaction, the transaction is still accepted. If the enabler ID character string is longer than five characters, the transaction is declined. The agent unique ID data is still supported in the TC 33 capture file in the first five positions:

- Record: CP12 TCR1
- Position: 138-148

The five positions that follow the agent unique ID in CP12 TCR1 are used for the EVV. The final position is reserved for 0. Except for the first digit which is fixed, CP12-TCR1 positions 138-148 () now occupy all of ISO field 126.18.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **processingInformation.enablerId**
- SCMP API Field: **enabler_id**
- Simple Order API Fields: **enablerId**

processingInformation. extendedCreditTotalCount

Number of months over which the cardholder can pay for the purchase.

You can use this field when offering extended credit to a cardholder at a retail location. The cardholder provides this value. The issuer pays you for the purchase in one payment, and then the cardholder pays the issuer in the number of monthly payments specified by this value.

This field is available only for acquirers in South Africa on the Visa Platform Connect processor.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **processingInformation.extendedCreditTotalCount**
- SCMP API Field: **extended_credit_total_count**
- Simple Order API Field: **extendedCreditTotalCount**

processingInformation. fundingOptions.initiator.type

Code that denotes whether the customer identification data belongs to the sender or the recipient.

Possible values:

- **P**: Payee (recipient)
- **S**: Payer (sender)

When this field is set to **S**, these API request fields are required:

- **senderInformation.personalIdType**
- **senderInformation.personalIdSubType**

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processingInformation.fundingOptions.initiator.type**
- SCMP API Field: **customer_entity_identifier**
- Simple Order API Field: **initiatorType**

processingInformation. industryDataType

Indicates whether the transaction includes industry data.

For certain industries, you must set this field to an industry data value to be sent to the processor. When this field is not set to an industry value or is not included in the request, industry data does not go to the processor.

Possible Values

- **airline**
- **auto_rental**
- **healthcare_medical**
- **healthcare_transit**
- **lodging**
- **restaurant**
- **transit**

Specifications

- Data Type: String
- Data Length: 18

Mapping Information

- REST API Field: **processingInformation.industryDataType**
- SCMP API Field: **industry_datatype**
- Simple Order API Fields:
 - **ccAuthService_industryDatatype**
 - **ccCaptureService_industryDatatype**
 - **ccCreditService_industryDatatype**

processingInformation. issuer.discretionaryData

Data defined by the issuer.

This field is available only for Visa and Mastercard on the Visa Platform Connect processor.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP08 TCR1
- Position: 5-168
- Field: Free Form Text

The tables provide examples of the formats for discretionary data specific to acquirers for issuer-funded installment payments. The issuers and acquirers work together to develop and reach consensus on the formats. You must contact your acquirer for information about the formats to use.

Example: Discretionary Data Format for Issuer-Funded Installment Payments with Visa Guatemala

VC100000000050000

Discretionary Data Format for Issuer-Funded Installment Payments with Visa Guatemala

Position (Character or Digit #)	Number of Characters or Digits	Description
1-2	2	Prefix. Set this value to VC.
3-4	2	Total number of installments.
5-16	12	Total amount.

Example: Discretionary Data Format for Issuer-Funded Installment Payments with Visa Uruguay

006120123456789100000000008160003359

Discretionary Data Format for Issuer-Funded Installment Payments with VisaNet Uruguay

Position (Character or Digit #)	Number of Characters or Digits	Description
1-2	2	Plan type. Set this value to 00. Specifies that the transaction is an e-commerce transaction.
3	1	Grace period. Number of months that the issuer waits before charging customers.
4-5	2	Total number of installments. Possible values: 00 through 99.

Position (Character or Digit #)	Number of Characters or Digits	Description
6	1	POS entry mode. Set this value to 0. Specifies that the transaction is an e-commerce transaction.
7-15	9	Identity document number. Set this value to the number on the customer's identity document or leave it blank. Format: right justified with 0 (zero) padding on the left.
16	1	Financial inclusion law indicator. Possible values: 1: Law 17934 2: Law 18099 3: Asignaciones familiares (AFAM) (family allowance program) 4: Real state law 5: Law 19210
17-28	12	Financial inclusion amount. This value is the amount the bank returns to the customer.
29-35	7	Merchant-generated invoice number.

Specifications

- Data Type: String
- Data Length: 255

Important

For an authorization, the maximum length for this value is 255 characters. In the capture file, the value is truncated at 164 characters.

Mapping Information

- REST API Field: **issuerInformation.discretionaryData** and **processingInformation.issuer.discretionaryData**
- SCMP API Field: **issuer_additional_data**

- Simple Order API Field: **issuer_additionalData**

processingInformation. japanPaymentOptions.businessName

Business name in Japanese characters.

This field is available only on the JCN Gateway processor, and for the Sumitomo Mitsui Card Co. acquirer on the Visa Platform Connect processor.

Specifications

- Data Type: String
- Data Length: 25

Mapping Information

- REST API Field: **processingInformation.japanPaymentOptions.businessName**
- SCMP API Field: **jpo_business_name_japanese**
- Simple Order API Field: **jpo_businessNameJapanese**

processingInformation. japanPaymentOptions.businessNameAlphaNumeric

Business name in alphanumeric characters.

This field is available only on the JCN Gateway processor, and for the Sumitomo Mitsui Card Co. acquirer on the Visa Platform Connect processor.

Specifications

- Data Type: String
- Data Length: 25

Mapping Information

- REST API Field:
processingInformation.japanPaymentOptions.businessNameAlphaNumeric
- SCMP API Field: **jpo_business_name_alphanumeric**
- Simple Order API Field: **jpo_businessNameAlphanumeric**

processingInformation. japanPaymentOptions. businessNameKatakana

Business name in Katakana characters.

This field is available only on the JCN Gateway processor, and for the Sumitomo Mitsui Card Co. acquirer on the Visa Platform Connect processor.

Specifications

- Data Type: String
- Data Length: 25

Mapping Information

- REST API Field: **processingInformation.japanPaymentOptions.businessNameKatakana**
- SCMP API Field: **jpo_business_name_katakana**
- Simple Order API Field: **jpo_businessNameKatakana**

processingInformation. japanPaymentOptions.firstBillingMonth

First billing month for a transaction that uses installment payments.

This field is available only on the JCN Gateway processor, and for the Sumitomo Mitsui Card Co. acquirer on the Visa Platform Connect processor.

Possible values: 01 through 12.

When you do not include this field in a request that uses installment payments for one of the Japanese payment options, the first billing month is set to the calendar month that follows the transaction date.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **processingInformation.japanPaymentOptions.firstBillingMonth**
- SCMP API Field: **jpo_first_billing_month**
- Simple Order API Field: **jpo_firstBillingMonth**

processingInformation. japanPaymentOptions.jis2TrackData

Japanese Industrial Standard Type 2 (JIS2) track data from the front of the card.
This field is available only on the JCN Gateway and Visa Platform Connect processors.

Specifications

- Data Type: String
- Data Length: 69

Mapping Information

- REST API Field: **processingInformation.japanPaymentOptions.jis2TrackData**
- SCMP API Field: **jpo_jis2_track_data**
- Simple Order API Field: **jpo_jis2TrackData**

processingInformation. japanPaymentOptions.paymentMethod

Type of Japanese payment option.

This field is available only on the JCN Gateway processor, and for the Sumitomo Mitsui Card Co. acquirer on the Visa Platform Connect processor.

This field is required for authorization and capture requests if set to these values: 21, 22, 23, 24, 31, 32, 34, 61, or 80.

Possible values:

This value is a 2-digit code indicating the payment method. Use Payment Method Code value that applies to the transaction.

- 10: One-time payment
- 21, 22, 23, 24: Bonus payment (one-time)
- 31, 32, 33, 34: Integrated payment (Bonus + Installment)
- 61: Installment payment
- 80: Revolving payment

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **processingInformation.japanPaymentOptions.paymentMethod**
- SCMP API Field: **jpo_payment_method**
- Simple Order API Field: **jpo_paymentMethod**

processingInformation. japanPaymentOptions.installments

Number of installment payments.

This field is available only on the JCN Gateway processor, and for the Sumitomo Mitsui Card Co. acquirer on the Visa Platform Connect processor.

This field is required for authorization and capture requests if the value of the **processingInformation.japanPaymentOptions.paymentMethod** field is set to [21](#), [22](#), [23](#), [24](#), [31](#), [32](#), [33](#), [34](#), or [80](#).

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **processingInformation.japanPaymentOptions.installments**
- SCMP API Field: **jpo_installments**
- Simple Order API Field: **jpo_installments**

processingInformation. japanPaymentOptions.terminalId

Unique Japan Credit Card Association (JCCA) terminal identifier that is provided by Cybersource.

The difference between this field and the **pointOfSaleInformation.terminalId** field is that you can define the **pointOfSaleInformation.terminalId** field, but the **processingInformation.japanPaymentOptions.terminalId** field is defined by the JCCA and is used only in Japan.

This field is available only on the JCN Gateway and Visa Platform Connect processors.
Visa Platform Connect

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR9

- Position: 130-142
- Field: Terminal Identification Number

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: Integer
- Data Length: 13

Mapping Information

- REST API Field: **processingInformation.japanPaymentOptions.terminalId**
- SCMP API Field: **jpo_jcca_terminal_id**
- Simple Order API Field: **jpo_jccaTerminalID**

processingInformation. leastCostRouting

Flag that specifies whether to request that the processor use least-cost routing for the transaction.

This field is available only on the FDI Australia and Worldpay VAP processors.

When the request includes this field, this value overrides the information in your account.

Possible values:

- Y: Request that the processor use least-cost routing for the transaction
- N (default): Do not request that the processor use least-cost routing for the transaction

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processingInformation.leastCostRouting**
- SCMP API Field: **auth_least_cost_routing**
- Simple Order API Field: **ccAuthService_leastCostRouting**

processingInformation.linkId

Value that links the current authorization request to the original authorization request. This value is used for partial authorizations and split shipments. Set this value to the request ID that was returned in the response message from the original authorization request.

Specifications

- Data Type: String
- Data Length: 26

Mapping Information

- REST API Field: **processingInformation.linkId**
- SCMP API Field: **link_to_request**
- Simple Order API Field: **linkToRequest**

processingInformation.loanOptions.assetType

Flag that specifies whether a loan is for a recoverable item or a non-recoverable item. This field is available only for BNDES transactions on the Visa Platform Connect processor. Possible values:

- **N**: Non-recoverable item
- **R**: Recoverable item

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP07 TCR2
- Position: 26
- Field: Asset Indicator

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processingInformation.loanOptions.assetType**
- SCMP API Field: **loan_asset_type**

- Simple Order API Field: **loan_assetType**

processingInformation. loanOptions.type

Type of loan or installment payment plan based on an agreement between you and the issuer.

This field is available only for these type of payments on the Visa Platform Connect processor:

- BINDES transactions
- Installment payments with Mastercard in Brazil

Example: AGRO-CUSTEIO

Example: AGRO-INVEST

Example: BNDES-Type1

Example: CBN

Example: FINAME

For BNDES transactions, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP07 TCR2
- Position: 27-46
- Field: Loan Type

For installment payments with Mastercard in Brazil, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP07 TCR4
- Position: 5-24
- Field: Financing Type

Specifications

- Data Type: String
- Data Length: 20

Mapping Information

- REST API Field: **processingInformation.loanOptions.type**
- SCMP API Field: **loan_type**
- Simple Order API Field: **loan_type**

processingInformation. mobileRemotePaymentType

Type of payment initiated from a cardholder's mobile device.

This field is available only for Mastercard transactions on the Visa Platform Connect processor.

Possible values:

- **1**: Customer-initiated remote purchase, face-to-face
- **2**: Customer-initiated remote purchase, e-commerce
- **3**: Customer-initiated remote purchase, mail order / telephone order
- **4**: Customer-initiated bill pay
- **5**: Customer-initiated top up
- **6**: Customer-initiated cash out
- **7**: ATM-triggered or agent-initiated cash out
- **8**: Merchant-initiated remote purchase, face-to-face
- **9**: Merchant-initiated remote purchase, e-commerce

Visa Platform Connect

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR6
- Position: 94
- Field: Mastercard Mobile Remote Payment Program Indicator

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processingInformation.mobileRemotePaymentType**
- SCMP API Field: **mobile_remote_payment_type**
- Simple Order API Field: **ccAuthService_mobileRemotePaymentType**

processingInformation. nationalNetDomesticData

Supplementary domestic transaction information provided by the acquirer.

Specifications

- Data Type: String
- Data Length: 123



Important

For an authorization, the maximum length for this value is 255 characters. In the capture file, the value is truncated at 161 characters.

Mapping Information

- REST API Field: **processingInformation.nationalNetDomesticData**
- SCMP API Field: **national_net_domestic_data**
- Simple Order API Field: **nationalNetDomesticData**

processingInformation.networkPartnerID

Merchant payment gateway ID that is assigned by Mastercard and provided by your acquirer when a registered merchant payment gateway service provider is involved in the transaction.

This field is available only for the Visa Platform Connect processor.

For Mastercard transactions on Visa Platform Connect, set this field to **00000163065**. If you do not include this field, Cybersource will provide it for you.

If you support card-not-present Mastercard transactions, you must include this field in all transaction requests. When you process card-not-present transactions and do not include this field in your request, Cybersource sets the field value to **00000163065**.

Specifications

- Data Type: String
- Data Length: 11

Mapping Information

- REST API Field: **processingInformation.networkPartnerId**
- SCMP API Field: **network_partner_id**
- Simple Order API Field: **ccAuthService_networkPartnerId**

processingInformation. networkRoutingOrder

Priority order of the networks through which the transaction will be routed.

Important

This field is supported only for businesses located in the U.S.

Set this value to a series of one-character network codes in your preferred order:

Network	Code
Accel/Exchange	E
AFFN	U
Alaska Option	3
CU24	C
Quest/Electronic Benefits Transfer (EBT)	K
Interlink	G
Maestro	8
NETS	P
NYCE	F
Pulse	H
Shazam (ITS)	7
Star	M
Visa/PLUS	V

For example, if the Star network is your first preference and Pulse is your second preference, set this field to a value of **MH**.

When you do not include this value in your PIN debit request, Cybersource uses the list of network codes from your account.

Specifications

- Data Type: String
- Data Length: 30

Mapping Information

- REST API Field: **processingInformation.networkRoutingOrder**
- SCMP API Field: **network_order**
- Simple Order API Fields:
 - **pinDebitCreditService_networkOrder**
 - **pinDebitPurchaseService_networkOrder**

processingInformation. payByPointsIndicator

Indicates whether transaction uses loyalty points.

Possible values:

- **true**: Transaction uses loyalty points.
- **false**: Transaction does not use loyalty points.

Specifications

- Data Type: Boolean
- Data Length: Does not apply

Mapping Information

- REST API Field: **processingInformation.payByPointsIndicator**
- SCMP API Field: **pay_by_points_indicator**
- Simple Order API Field: **payByPoints_indicator**

processingInformation. paymentSolution

Type of payment solution that is being used for the transaction.

This unique ID distinguishes digital payment solution transactions and authorizations with payment network tokens on the Cybersource platform for reporting purposes.

Possible values:

- **001**: Apple Pay
- **004**: Cybersource In-App Solution
- **005**: Masterpass
- **006**: Android Pay
- **007**: Chase Pay
- **008**: Samsung Pay
- **012**: Google Pay

- **014**: Mastercard credential-on-file (COF) payment network token. Returned in authorizations that use a payment network token associated with a TMS token.
- **015**: Visa credential-on-file (COF) payment network token. Returned in authorizations that use a payment network token associated with a Token Management Service (TMS) token.
- **027**: Click to Pay
- **visacheckout**: Visa Click to Pay.

Specifications

- Apple Pay, Google Pay, Samsung Pay, Visa payment network tokens, and Mastercard payment network tokens:
 - Data Type: String
 - Data Length: 3
- Visa Click to Pay:
 - Data Type: String
 - Data Length: 12

Mapping Information

- REST API Field: **processingInformation.paymentSolution**
- SCMP API Field: **payment_solution**
- Simple Order API Field: **paymentSolution**

processingInformation. payoutOptions. deferredDateTime

Date and time when the requested Payouts original credit transaction (OCT) is to be processed.

This field is required for a Payouts OCT service request that specifies a deferred OCT processing date and time.

To use the deferred OCT processing option, include this field in the OCT request and specify the date and time in UTC.

Format: `yyyymmddhhmm`

This field is available only for Payouts OCT transactions on the Visa Platform Connect processor.

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **processingInformation.payoutOptions.deferredDateTime**
- SCMP API Field: **oct_deferred_date_time**
- Simple Order API Field: **octService_deferredDateTime**

processingInformation. payoutOptions. acquirerBin

Acquirer bank identification number (BIN).

The Funds Transfer application is registered under this BIN. This field must match the information provided during enrollment.

Specifications

- Data Type: String
- Data Length: 20

Mapping Information

No corresponding fields.

processingInformation. payoutOptions. networkId

The payment network identification code.

The networks specified must be a subset of the information that was provided during program enrollment.

Possible values:

- **0020**: Accel/Exchange
- **0024**: CU24
- **0003**: Interlink
- **0016**: Maestro
- **0018**: NYCE
- **0027**: NYCE
- **0009**: Pulse
- **0017**: Pulse
- **0019**: Pulse
- **0008**: Star
- **0010**: Star

- `0011`: Star
- `0012`: Star
- `0015`: Star
- `0002`: Visa/PLUS

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

No corresponding fields.

processingInformation. payoutOptions. payoutInquiry

Request parameter that is related to payouts information in BIN lookup.

Set the field to `true`, and provide attributes so that fund transfer and payouts information are included in the response. When payouts information is not provided or found, the response will have the standard account lookup.

Possible values:

- `true`
- `false`

Specifications

- Data Type: Boolean
- Data Length: 5

Mapping Information

No corresponding fields.

processingInformation. processorId

Value that identifies the acquirer to use for the transaction.

This field is available only on the Visa Platform Connect processor.

Contact customer support to get the value for this field.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **processingInformation.processorId**
- SCMP API Field: **processor_id**
- Simple Order API Field: **processorID**

processingInformation.purchaseLevel

Flag that indicates the capture or credit request includes Level III data.

Set the value for this field to **3**.

This field is available on the American Express Direct, Barclays, Chase Paymentech Solutions, Elavon Americas, FDC Compass, FDC Nashville Global, GPN, OmniPay Direct, RBS WorldPay Atlanta, TSYS Acquiring Solutions, Visa Platform Connect, and Worldpay VAP processors.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processingInformation.purchaseLevel**
- SCMP API Field: **purchasing_level**
- Simple Order API Fields:
 - **ccCaptureService_purchasingLevel**
 - **ccCreditService_purchasingLevel**

On the Barclays processor, the **invoiceHeader_purchaserVATRegistrationNumber** field is available for the capture service, and the **ccCreditService_purchasingLevel** field is available for the credit service.

Processor Field Names

This list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data:

- American Express Direct: Does not apply
- Barclays: Does not apply
- Chase Paymentech Solutions: Does not apply

- FDC Compass: Does not apply
- FDC Nashville Global: Does not apply
- GPN: Does not apply
- OmniPay Direct: Does not apply
- RBS WorldPay Atlanta: Does not apply
- TSYS Acquiring Solutions: Does not apply
- Visa Platform Connect: Does not apply
- Worldpay VAP: Does not apply

processingInformation.purchaseOptions.isElectronicBenefitsTransfer

Flag that indicates that this transaction is an EBT transaction.
This field is available only on the Visa Platform Connect processor.

Possible value: `EBT`

Specifications

- Date Type: Boolean
- Data Length: 3

Mapping Information

- REST API Field: `processingInformation.purchaseOptions.isElectronicBenefitsTransfer`
- SCMP API Field: `pin_debit_payment_type`
- Simple Order API Fields:
 - `pinDebitCreditService_paymentType`
 - `pinDebitPurchaseService_paymentType`

processingInformation.purchaseOptions.type

Flag that indicates an EBT voucher transaction.
This field is available only on the Visa Platform Connect processor.

Possible value: `verbal`

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

- REST API Field: **processingInformation.purchaseOptions.type**
- SCMP API Field: **pin_debit_transaction_type**
- Simple Order API Field: **pinDebitPurchaseService_transactionType**

processingInformation. purposeOfPayment

Purpose of funds code.

This field is returned during original credit transactions (OCTs).

This field is available only on the Visa Platform Connect processor.

The value for this field corresponds to the following data in the TC 33 capture file:

- Field: Purpose of Payment Code
- Record: CP01 TCRO
- Position: 53-54

Specifications

- Data Type: String
- Length: 12

Mapping Information

- REST API Field: **processingInformation.purposeOfPayment**
- SCMP API Field: **oct_purpose_of_payment**
- Simple Order API Field: **octService_purposeOfPayment**

processingInformation. reconciliationId

Transaction reference number.

Identifier used for tracking a request through to the payment processor for reconciliation.

This value is not returned for all processors.

Syntax

The syntax must conform to this regular expression.

Visa Platform Connect `[a-zA-Z0-9\ -]`

All other processors: `[a-zA-Z0-9]`

Specifications

- Data Type: String
- Data Length:
 - Visa Platform Connect: 25
 - TeleCheck: 50
 - All other processors: 60

Mapping Information

- REST API Field: **processingInformation.reconciliationId**
- SCMP API Fields:
 - **auth_trans_ref_no**
 - **ecp_ref_no**
- Simple Order API Fields:
 - **ccAuthReply_reconciliationID**
 - **ecCreditService_referenceNumber**
 - **ecDebitService_referenceNumber**

processingInformation. recurringOptions.firstRecurringPayment

Flag that specifies whether this transaction is the first in a series of recurring payments.
Possible values:

- **true**: Yes, this is the first payment in a series of recurring payments.
- **false** (default): No, this is not the first payment in a series of recurring payments.

This field is available only on the Atos, Barclays, Credit Mutuel-CIC, FDC Nashville Global (with American Express cards and Visa cards), and OmniPay Direct processors.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **processingInformation.recurringOptions.firstRecurringPayment**
- SCMP API Field: **auth_first_recurring_payment**
- Simple Order API Field: **ccAuthService_firstRecurringPayment**

processingInformation. recurringOptions.loanPayment

Flag that specifies whether this is a payment towards an existing contractual loan.
Possible values:

- `true`: Loan payment.
- `false` (default): Not a loan payment.

Specifications

- Data Type: Boolean

Mapping Information

- REST API Field: **processingInformation.recurringOptions.loanPayment**
- SCMP API Field: **debt_indicator**
- Simple Order API Field: **debtIndicator**

processingInformation. refundOptions.reason

Reason for a refund.
Barclays: Used only for Mastercard and Maestro payment of winning transactions.
Restricted to gaming merchants with MCC 7995.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **processingInformation.refundOptions.reason**
- SCMP API Fields:
 - **ap_refund_reason**
 - **credit_refund_reason**
- Simple Order API Fields:
 - **apRefundService_reason**
 - **ccCreditService_refundReason**

processingInformation.reportGroup

Value that you create that enables you to identify a group of transactions. This field is available only on the Worldpay VAP processor.

Specifications

- Data Type: String
- Data Length: 25

Mapping Information

- REST API Field: **processingInformation.reportGroup**
- SCMP API Field: **report_group**
- Simple Order API Field: **reportGroup**

processingInformation.transactionReason

Transaction reason code. Sends the reason code as 5120, which indicates the sales tax/ value added tax part of original credit transactions (OCTs).

This field is available only on the Visa Platform Connect processor.

To process Faster Refund Original Credit Transactions (OCTs) in AP and the EU, include these fields in the request:

- Transaction Type
 - Record: Field 3
 - Positions: 1-2
- Transaction Amount
 - Record: Field 4
- Card Acceptor Name or Location
 - Record: Field 43
- Transaction Identifier
 - Record: Field 62.2 (in bitmap format)
- Message Reason Code
 - Record: Field 63.3
- Acceptor Legal Business Name
 - Record: 104, Usage 2—Transaction-Specific Data (in TLV format)
 - Dataset ID: 56
 - Tag: 81

- Business Application Identifier (BAI)
 - Record: 104, Usage 2—Transaction—Specific Data (in TLV format)
 - Dataset ID: 57
 - Tag: 01
- Visa Merchant Identifier
 - Record: 126.5

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **processingInformation.transactionReason**
- SCMP API Field: **transaction_reason**
- Simple Order API Field: **transactionReason**

processingInformation. transactionTypeIndicator

Transaction type indicator for Mastercard authorizations, authorization reversals, and credits.

Possible values:

- **C02**: Mastercard rebate
- **C03**: rePower load value
- **C04**: Gaming pre-pay
- **C07**: General person-to-person
- **C52**: General transfer to own account
- **C53**: Agent cash out
- **C54**: Payment of own credit card bill
- **C55**: Business Disbursement
- **C56**: Government or non-profit disbursement
- **C57**: Rapid merchant settlement
- **C58**: Cash in at ATM (Usage limited to specific countries)
- **C59**: Cash in at point of sale (Usage limited to specific countries)
- **C65**: General business to business transfer
- **C67**: Mastercard merchant-presented QR
- **C68**: Mastercard merchant-presented QR refund payment
- **C91**: Utility payments (for Brazil domestic use only)

- **C92**: Government services (for Brazil domestic use only)
- **C93**: Mobile phone top ups (for Brazil domestic use only)
- **C94**: Coupon booklet payments (for Brazil domestic use only)
- **F07**: General person-to-person transfer
- **F08**: Person-to-person transfer to card account
- **F52**: General transfer to own account
- **F53**: Agent cash out
- **F54**: Payment of own credit card bill
- **F55**: Business disbursement
- **F61**: Transfer to own staged digital wallet account
- **F64**: Transfer to own debit or prepaid account
- **F65**: General business-to-business transfer
- **P10**: Installment-based repayment
- **P01**: Mastercard ATM cash pick-up transaction
- **P70**: Cryptocurrency
- **P71**: High-risk securities

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **processingInformation.transactionTypeIndicator**
- SCMP API Field: **transaction_type_indicator**
- Simple Order API Field: **transactionTypeIndicator**

processingInformation.visaCheckoutID

Identifier for a Visa Click to Pay order.

Visa Click to Pay provides a unique order ID for every transaction in the Visa Click to Pay **callID** field.

Specifications

- Data Type: String
- Data Length: 48

Mapping Information

- REST API Field: **processingInformation.visaCheckoutID**
- SCMP API Field: **vc_order_id**

- Simple Order API Field: **vc_orderID**

processingInformation.walletType

Type of wallet.

This field is available only on the FDC Compass, FDC Nashville Global, FDI Australia, Visa Platform Connect, and TSYS Acquiring Solutions processors.

Set the value for this field to **VCIND**.

FDC Compass, FDC Nashville Global, FDI Australia, and TSYS Acquiring Solutions

The value that is sent to the processor is the value that the processor expects for this field.

Visa Platform Connect

This field is a passthrough; therefore, the value is not verified or modified in any way before it is sent to the processor.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR8
- Position: 72-76
- Field: Agent Unique ID

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **processingInformation.walletType**
- SCMP API Field: **wallet_type**
- Simple Order API Field: **wallet_type**

processorInformation

The following fields provide processor information.

processorInformation. achVerification. resultCode

Results from the ACH verification service.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **processorInformation.achVerification.resultCode**
- SCMP API Field: **ecp_debit_verification_code**
- Simple Order API Field: **ecDebitReply_verificationCode**

processorInformation. achVerification. resultCodeRaw

Raw results from the ACH verification service.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **processorInformation.achVerification.resultCoderaw**
- SCMP API Fields:
 - **ecp_credit_verification_code_raw**
 - **ecp_debit_verification_code_raw**
- Simple Order API Fields:
 - **ecCreditReply_verificationCodeRaw**
 - **ecDebitReply_verificationCodeRaw**

processorInformation. amexVerbalAuthReferenceNumber

Referral response number for a verbal authorization.

Give this number to American Express when you call them for a verbal authorization. This field is available only for the FDMS Nashville processor when using an American Express card.

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

- REST API Field: **processorInformation.amexVerbalAuthReferenceNumber**
- SCMP API Field: **auth_referral_response_number**
- Simple Order API Field: **ccAuthReply_referralResponseNumber**

processorInformation. approvalCode

Approval code. The value of this field depends on service requested. See service-specific description below.

**Authorization and Incremental
Authorization**

Credit

**This field is returned only when the
processor sends this value.**

**This field is returned only when the
issuer returns this value and the credit is
authorized.**

PIN debit	Authorization code that is returned by the processor.
Elavon Encrypted Account Number Program	The returned value is <u>OFFLINE</u> .
TSYS Acquiring Solutions	The returned value for a successful zero amount authorization is <u>000000</u> .

Authorization

- Type: String
- Length: Depends on processor

Incremental Authorization

- Data Type: String
- Data Length: 7

Credit

- Data Type: String
- Data Length: 6

Mapping Information

- REST API Field: **processorInformation.approvalCode**
- SCMP API Fields:
 - **auth_auth_code**
 - **credit_auth_code**
 - **incremental_auth_code**
 - **oct_approval_code**
 - **pin_debit_purchase_authorization_code**
 - **pin_debit_credit_authorization_code**
- Simple Order API Fields:
 - **ccAuthReply_authorizationCode**
 - **ccCreditReply_authorizationCode**
 - **ccIncrementalAuthReply_authorizationCode**
 - **octReply_approvalCode**
 - **pinDebitCreditReply_authorizationCode**
 - **pinDebitPurchaseReply_authorizationCode**

processorInformation. authIndicator

Type of authorization that was performed.

This field is not returned for unmarked authorizations. Some processors that support the final authorization indicator do not send this field.

Possible values for all processors except Visa Platform Connect:

- **0**: Preauthorization
- **1**: Final authorization

Visa Platform Connect

Possible value for Visa transactions:

- **0**: Authorization for an estimated amount

Possible values for Mastercard transactions:

- **0**: Preauthorization
- **1**: Final authorization
- **2**: Undefined authorization

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.authIndicator**
- SCMP API Field: **auth_indicator**
- Simple Order API Field: **authIndicator**

processorInformation.authorizationOptions.panReturnIndicator

Flag that indicates whether a primary account number (PAN) is associated with an ExpressPay-enabled card or device in an authorization request.

This field is available only for the Visa Platform Connect processor.

Possible values:

- **1**: ExpressPay Translation (PAN request)
- **2**: ExpressPay Translation (PAN request) and expiration date request

This field is required in the authorization request message you send to American Express ExpressPay for a contactless transaction. If a PAN is provided, it is returned in an authorization request response message. The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCRB
- Position: 86-108
- Field: American Express PAN, Extended

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.authorizationOptions.panReturnIndicator**
- SCMP API Field: **pan_return_indicator**
- Simple Order API Field: **ccAuthService_panReturnIndicator**

processorInformation. avs.code

Value returned for the Address Verification Service (AVS) by the payment service. See [AVS Codes](#).

Specifications

- Type: String
- Length: 1

Mapping Information

- REST API Field: **processorInformation.avs.code**
- SCMP API Fields:
 - **auth_auth_avs**
 - **avs**
- Simple Order API Fields:
 - **afsService_avsCode**
 - **ccAuthReply_avsCode**

processorInformation. avs.codeRaw

AVS result code sent directly from the processor.
This field is returned only when the processor sends this value.

Important

Do not use this value to evaluate the AVS result. Use this value only when debugging your order management system.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **processorInformation.avs.codeRaw**
- SCMP API Field: **auth_avs_raw**
- Simple Order API Field: **ccAuthReply_avsCodeRaw**

processorInformation. cardReferenceData

Transaction identifier that is generated by the payment card company.

This field is available only for industry-practice merchant-initiated token transactions with Discover or Diners Club payment cards processed by the Visa Platform Connect, HSBC, and Streamline processors.

Set the value for this field to the value for the **processorInformation.cardReferenceData** field that was in the response message when you obtained the customer's credentials.

When you use this field, you must also include the **issuerInformation.transactionInformation** field.

Specifications

- Data Type: String
- Data Length: 46

Mapping Information

- REST API Field: **processorInformation.cardReferenceData**
- SCMP API Field: **auth_card_reference_data**
- Simple Order API Fields:
 - Request field: **ccAuthService_cardReferenceData**
 - Response field: **ccAuthReply_cardReferenceData**

processorInformation. cardVerification.resultCode

Result of card verification.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.cardVerification.resultCode**
- SCMP API Field: **cv_result**
- Simple Order API Fields:
 - **afsService_cvCode**
 - **ccAuthReply_cvCode**

processorInformation. cardVerification.resultCodeRaw

CVN result code sent directly from the processor.
This field is returned only when the processor sends this value.



Important

Do not use this value to evaluate the CVN result. Use this value only when debugging your order management system.

Specifications

- Data Type: String
- Data Length: 11

Mapping Information

- REST API Field: **processorInformation.cardVerification.resultCodeRaw**
- SCMP API Field: **auth_cv_result_raw**
- Simple Order API Field: **ccAuthReply_cvCodeRaw**

processorInformation. consumerAuthenticationResponse. code

Mapped response code for American Express SafeKey, RuPay PaySecure, or Visa Secure.

 **Important**

A value of 0 for a Visa transaction indicates that Visa downgraded the transaction. When Visa approves an authorization and downgrades it, you are liable for the transaction. To confirm the downgrade, look at the e-commerce indicator for the transaction in the Business Center. You can proceed with the transaction if you want to accept liability. If you do not want to accept liability, reverse the authorization, attempt to authenticate the customer again, and request another authorization.

American Express SafeKey Response Codes

Response Code	Description
1	CAVV failed validation and authentication.
2	CAVV passed validation and authentication.
3	CAVV passed the validation attempt.
4	CAVV failed the validation attempt.
7	CAVV failed the validation attempt and the issuer is available.
8	CAVV passed the validation attempt and the issuer is available.
9	CAVV failed the validation attempt and the issuer is not available.
A	CAVV passed the validation attempt and the issuer is not available.
U	Issuer does not participate or 3-D Secure data was not used.
99	An unknown value was returned from the processor.

Visa Secure Response Codes

Response Code	Description
0	CAVV not validated because erroneous data was submitted. Visa downgraded the transaction. When you receive an authorization approval and the CAVV response code is 0, you are liable for the transaction. To confirm the downgrade, look at the e-commerce indicator for the transaction in the Business Center. You can proceed with the transaction if you want to accept liability. If you do not want to accept liability, reverse the authorization, attempt to authenticate the customer again, and request another authorization.
1	CAVV failed validation and authentication.
2	CAVV passed validation and authentication.
3	CAVV passed the validation attempt.
4	CAVV failed the validation attempt.
6	CAVV not validated because the issuer does not participate.
7	CAVV failed the validation attempt and the issuer is available.
8	CAVV passed the validation attempt and the issuer is available.
9	CAVV failed the validation attempt and the issuer is not available.
A	CAVV passed the validation attempt and the issuer is not available.
B	CAVV passed the validation with information only; no liability shift.
C	CAVV attempted but not validated; issuer did not return CAVV code.
D	CAVV not validated or authenticated; issuer did not return CAVV code.
I	Invalid security data.
U	Issuer does not participate or 3-D secure data was not used.
99	An unknown value was returned from the processor.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **processorInformation.consumerAuthenticationResponse.code**
- SCMP API Field: **auth_cavv_response_code**
- Simple Order API Field: **ccAuthReply_cavvResponseCode**

processorInformation. consumerAuthenticationResponse.codeRaw

CAVV response code sent directly from the processor for American Express SafeKey, RuPay PaySecure, or Visa Secure.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **processorInformation.consumerAuthenticationResponse.codeRaw**
- SCMP API Field: **auth_cavv_response_code_raw**
- Simple Order API Field: **ccAuthReply_cavvResponseCodeRaw**

processorInformation. customer.personalIDResult

Personal identifier result.

If you included **buyerInformation.personalIdentification[].id** and **buyerInformation.personalIdentification[].type** in the request, this value indicates whether **buyerInformation.personalIdentification[].id** and **buyerInformation.personalIdentification[].type** matched a value in a record on file. Possible values:

- Y: Match
- N: No match
- K: Not supported

- U: Unknown
- Z: No response returned

This field is available only for Rede card in Brazil for the Cybersource Latin American Processing processor. It is returned only when the personal ID result is returned by the processor.

Cybersource Latin American Processing is the name of a specific processing connection. Cybersource Latin American Processing does not refer to the general topic of processing in Latin America. The information in this field description, or in this section of the field description, is for the specific processing connection called Cybersource Latin American Processing. It is not for any other Latin American processors.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.customer.personalIDResult**
- SCMP API Field: **auth_personal_id_result**
- Simple Order API Field: **ccAuthReply_personalIDCode**

processorInformation. electronicVerificationResults.code

Mapped electronic verification response code for the customer's name.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.electronicVerificationResults.code**
- SCMP API Field: **auth_ev_name**
- Simple Order API Field: **ccAuthReply_evName**

processorInformation. electronicVerificationResults.codeRaw

Raw electronic verification response code from the processor for the customer's last name.

Specifications

- Data Type: String
- Data Length: s1

Mapping Information

- REST API Field: **processorInformation.electronicVerificationResults.codeRaw**
- SCMP API Field: **auth_ev_name_raw**
- Simple Order API Field: **ccAuthReply_evNameRaw**

processorInformation. electronicVerificationResults.email

Mapped electronic verification response code for the customer's email address.

Specifications

- Type: String
- Length: 1

Mapping Information

- REST API Field: **processorInformation.electronicVerificationResults.email**
- SCMP API Field: **auth_ev_email**
- Simple Order API Field: **ccAuthReply_evEmail**

processorInformation. electronicVerificationResults.emailRaw

Raw electronic verification response code from the processor for the customer's email address.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.electronicVerificationResults.emailRaw**
- SCMP API Field: **auth_ev_email_raw**
- Simple Order API Field: **ccAuthReply_evEmailRaw**

processorInformation. electronicVerificationResults. firstName

Mapped electronic verification response code from the processor for the customer's first name.

This field is available only for the Visa Platform Connect processor.

Possible values:

- **N**: No match.
- **O**: Partial match.
- **Y**: Match.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.electronicVerificationResults.firstName**
- SCMP API Field: **auth_ev_firstname**
- Simple Order API Field: **ccAuthReply_evFirstName**

processorInformation. electronicVerificationResults. firstNameRaw

Raw electronic verification response code from the processor for the customer's first name.

This field is available only for the Visa Platform Connect processor.

Possible values:

- **01**: Match.
- **50**: Partial match.
- **99**: No match.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **processorInformation.electronicVerificationResults.firstNameRaw**
- SCMP API Field: **auth_ev_firstname_raw**
- Simple Order API Field: **ccAuthReply_evFirstNameRaw**

processorInformation. electronicVerificationResults.lastName

Mapped electronic verification response code from the processor for the customer's last name.

This field is available only for the Visa Platform Connect processor.

Possible values:

- **N**: No match.
- **O**: Partial match.
- **Y**: Match.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.electronicVerificationResults.lastName**
- SCMP API Field: **auth_ev_lastname**
- Simple Order API Field: **ccAuthReply_evLastName**

processorInformation. electronicVerificationResults.lastNameRaw

Raw electronic verification response code from the processor for the customer's last name.

This field is available only for the Visa Platform Connect processor.

Possible values:

- **01**: Match.
- **50**: Partial match.
- **99**: No match.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **processorInformation.electronicVerificationResults.lastNameRaw**
- SCMP API Field: **auth_ev_lastname_raw**
- Simple Order API Field: **ccAuthReply_evLastNameRaw**

processorInformation. electronicVerificationResults.middleName

Mapped electronic verification response code from the processor for the customer's middle name.

This field is available only for the Visa Platform Connect processor.

Possible values:

- **N**: No match.
- **O**: Partial match.
- **Y**: Match.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.electronicVerificationResults.middleName**
- SCMP API Field: **auth_ev_middlename**
- Simple Order API Field: **ccAuthReply_evMiddleName**

processorInformation. electronicVerificationResults. middleNameRaw

Raw electronic verification response code from the processor for the customer's middle name.

This field is available only for the Visa Platform Connect processor.

Possible values:

- **01**: Match.
- **50**: Partial match.
- **99**: No match.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **processorInformation.electronicVerificationResults.middleNameRaw**
- SCMP API Field: **auth_ev_middlename_raw**
- Simple Order API Field: **ccAuthReply_evMiddleNameRaw**

processorInformation. electronicVerificationResults. name

Mapped electronic verification response code from the processor for the customer's full name: first name, middle name, and last name.

This field is supported only for Visa Platform Connect.

Possible values:

- **N**: No match.
- **O**: Partial match.

- **Y**: Match.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.electronicVerificationResults.name**
- SCMP API Field: **auth_ev_name**
- Simple Order API Field: **ccAuthReply_evName**

processorInformation. electronicVerificationResults.nameRaw

Raw electronic verification response code from the processor for the customer's full name: first name, middle name, and last name.

This field is supported only for Visa Platform Connect.

Possible values:

- **01**: Match.
- **50**: Partial match.
- **99**: No match.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **processorInformation.electronicVerificationResults.nameRaw**
- SCMP API Field: **auth_ev_name_raw**
- Simple Order API Field: **ccAuthReply_evNameRaw**

processorInformation. electronicVerificationResults.phoneNumber

Mapped electronic verification response code for the customer's phone number.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.electronicVerificationResults.phoneNumber**
- SCMP API Field: **auth_ev_phone_number**
- Simple Order API Field: **ccAuthReply_evPhoneNumber**

processorInformation. electronicVerificationResults. phoneNumberRaw

Raw electronic verification response code from the processor for the customer's phone number.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.electronicVerificationResults.phoneNumberRaw**
- SCMP API Field: **auth_ev_phone_number_raw**
- Simple Order API Field: **ccAuthReply_evPhoneNumberRaw**

processorInformation. electronicVerificationResults. postalCode

Mapped electronic verification response code for the customer's postal code.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.electronicVerificationResults.postalCode**
- SCMP API Field: **auth_ev_postal_code**
- Simple Order API Field: **ccAuthReply_evPostalCode**

processorInformation. electronicVerificationResults. postalCodeRaw

Raw electronic verification response code from the processor for the customer's postal code.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.electronicVerificationResults.postalCodeRaw**
- SCMP API Field: **auth_ev_postal_code_raw**
- Simple Order API Field: **ccAuthReply_evPostalCodeRaw**

processorInformation. electronicVerificationResults. street

Mapped electronic verification response code for the customer's street address.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.electronicVerificationResults.street**
- SCMP API Field: **auth_ev_street**
- Simple Order API Field: **ccAuthReply_evStreet**

processorInformation. electronicVerificationResults.streetRaw

Raw electronic verification response code from the processor for the customer's street address.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.electronicVerificationResults.streetRaw**
- SCMP API Field: **auth_ev_street_raw**
- Simple Order API Field: **ccAuthReply_evStreetRaw**

processorInformation. emsTransactionRiskScore

Fraud score for a MasterCard transaction.

This field is available only for the Visa Platform Connect processor, for authorizations on Mastercard payment cards issued in the US. To receive a fraud score, you must have Mastercard Expert Monitoring Solutions enabled for your account.

- Positions 1-3: Fraud score. This value ranges from 001 to 998, where 001 indicates the least likely fraudulent transaction and 998 indicates the most likely fraudulent transaction.
- Positions 4-5: Reason code that specifies the reason for the fraud score. Possible values:
 - 01: Suspicious cross border activity.
 - 02: Suspicious transaction.
 - 03: High number of transactions.
 - 04: High number of transactions at an unattended terminal.
 - 05: Suspicious recent history of transactions.
 - 06: Suspicious activity and high number of transactions.
 - 07: Suspicious cardholder not present activity.
 - 08: Suspicious activity and low number of transactions.
 - 09: Suspicious service station activity.
 - 10: Suspicious online activity.

- 11: High amount transaction or high cumulated amount recently spent.
- 12: Suspicious gambling activity.
- 13: Suspicious phone or mail order activity.
- 14: Suspicious grocery store activity.
- 15: High risk country.
- 16: High amount, high number of transactions, and cross border.
- 17: Suspicious activity including previous declined transactions.
- 18: Suspicious airline activity.
- 19: Score forced to be 001 because the transaction being scored was a 04xx message.
- 20: Not a financial transaction.
- 21: Abnormal geographic activity.
- 22: Abnormal, high frequency at the same MCC.
- 23: High amount recent ATM activity.
- 24: Suspicious recent ATM activity or suspicious ATM activity following a recent abnormal activity.
- 25: Suspicious telecom activity.
- 26: High number of international ATM transactions.
- 27: High cumulated withdrawal amount on international ATM.
- 28: High velocity of domestic ATM transactions.
- 29: High risk MCC.
- Positions 6-32: Reserved for future use.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

- REST API Field: **processorInformation.emsTransactionRiskScore**
- SCMP API Field: **auth_ems_transaction_risk_score**
- Simple Order API Field: **ccAuthReply_emsTransactionRiskScore**

processorInformation. forwardedAcquirerCode

Name of the Japanese acquirer that processed the transaction.
This field is available only for the JCN Gateway processor.
Contact the Cybersource Japan Support Group for more information.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

- REST API Field: **processorInformation.forwardedAcquirerCode**
- SCMP API Fields:
 - **auth_forward**
 - **auth_reversal_forward**
 - **credit_forward**
- Simple Order API Fields:
 - **ccAuthReply_forwardCode**
 - **ccAuthReversalReply_forwardCode**
 - **ccCreditReply_forwardCode**

processorInformation. masterCardAuthenticationType

Type of authentication for which the transaction qualifies as determined by the Mastercard authentication service, which confirms the identity of the cardholder. Mastercard provides this value to Cybersource.

This field is available only on the Visa Platform Connect processor.

Possible values:

- **1**: Transaction qualifies for Mastercard authentication type 1.
- **2**: Transaction qualifies for Mastercard authentication type 2.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR6
- Position: 132
- Field: Mastercard Member Defined Data

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.masterCardAuthenticationType**
- SCMP API Field: **auth_transaction_qualification**
- Simple Order API Field: **ccAuthReply_transactionQualification**

processorInformation. masterCardServiceCode

Mastercard service that was used for the transaction.

Mastercard provides this value to Cybersource.

This field is available only for the Visa Platform Connect processor.

Possible value is **53**: Mastercard card-on-file token service.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR6
- Position: 133-134
- Field: Mastercard Merchant on-behalf service

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **processorInformation.masterCardServiceCode**
- SCMP API Fields:
 - **auth_payment_card_service**
 - **auth_reversal_payment_card_service**
- Simple Order API Fields:
 - **ccAuthReply_paymentCardService**
 - **ccAuthReversalReply_paymentCardService**

processorInformation. masterCardServiceReplyCode

Result of the Mastercard card-on-file token service.

Mastercard provides this value to Cybersource.

This field is available only for the Visa Platform Connect processor.

Possible values:

- **C**: Service completed successfully.
- **F**: One of the following:
 - Incorrect Mastercard POS entry mode. The Mastercard POS entry mode should be **81** for an authorization or authorization reversal.
 - Incorrect Mastercard POS entry mode. The Mastercard POS entry mode should be **01** for a tokenized request.
 - Token requestor ID is missing or formatted incorrectly.
- **I**: One of the following:
 - Invalid token requestor ID.
 - Suspended or deactivated token.
 - Invalid token (not in mapping table).
- **T**: Invalid combination of token requestor ID and token.
- **U**: Expired token.
- **W**: Primary account number (PAN) listed in electronic warning bulletin.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.masterCardServiceReplyCode**
- SCMP API Fields:
 - **auth_payment_card_service_result**
 - **auth_reversal_payment_card_service_result**
- Simple Order API Fields:
 - **ccAuthReply_paymentCardServiceResult**
 - **ccAuthReversalReply_paymentCardServiceResult**

processorInformation.merchantAdvice.code

Category code indicating information about a decline.

For some processors, this field is used only for Mastercard. For other processors, this field is used for Visa and Mastercard. And for other processors, this field is not implemented.

When this field is used for Mastercard with FDC Nashville Global, it is available only for card-not-present declined transactions. When this field is used for Visa with FDC Nashville Global, it is available for both card-present and card-not-present declined transactions.

Important

Use the values returned in this field for Visa and Mastercard to determine whether to retry declined transactions. Update your retry logic to ensure that a retry is not attempted when the card association won't approve the transactions. A retry on a transaction with a value in this field that prohibits retry, such as the value of 1 for Visa (Issuer never approves) or 3 for Mastercard (Do not try again), can incur a penalty from card companies.

Important

If a decline does not have a merchant advice code in the response, the default is not to retry the transaction.

Visa and Mastercard, in addition to the merchant advice codes, provide decline response codes. American Express and Discover do not provide category codes, but they do provide decline response codes.

Possible Values for Chase Paymentech Solutions, FDC Nashville Global, GPX, and Visa Platform Connect Processors

Visa:

- **1**: Issuer never approves
- **2**: Issuer cannot approve at this time
- **3**: Data quality/revalidate payment information

Mastercard:

- **01**: New account information available
- **02**: Try again later
- **03**: Do not try again
- **04**: Token not supported
- **21**: Do not honor
- **22**: Merchant does not qualify for product code

- **24**: Retry after 1 hour
- **25**: Retry after 24 hours
- **26**: Retry after 2 days
- **27**: Retry after 4 days
- **28**: Retry after 6 days
- **29**: Retry after 8 days
- **30**: Retry after 10 days
- **40**: Non-reloadable prepaid card
- **41**: Non-reloadable prepaid card
- **42**: Sanctions score exceeds applicable threshold value
- **99**: Do not try again

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **processorInformation.merchantAdvice.code**
- SCMP API Field: **merchant_advice_code**
- Simple Order API Field: **ccAuthReply_merchantAdviceCode**

processorInformation. merchantAdvice.codeRaw

Raw merchant advice code sent directly from the processor.

This field is available only for Mastercard and processed by the FDC Compass and Visa Platform Connect processors.

Possible values:

- **00**: No information, or response not provided.
- **01**: New account information is available. Obtain the new information.
- **02**: Try again later.
- **03**: Do not try again. Obtain another type of payment from the customer.
- **04**: Problem with a token or a partial shipment indicator. Do not try again.
- **08**: Payment blocked by the payment card company.
- **21**: Recurring payment cancellation service.
- **99**: An unknown value was returned from the processor.
- **7903**: Do not try again
- **7921**: Do not honor

- **7940**: Non#reloadable prepaid card
- **7941**: Non#reloadable prepaid card
- **7942**: Sanctions score exceeds applicable threshold value

Visa Platform Connect

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR7
- Position: 96-99
- Field: Response Data—Merchant Advice Code

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **processorInformation.merchantAdvice.codeRaw**
- SCMP API Field: **auth_merchant_advice_code_raw**
- Simple Order API Field: **ccAuthReply_merchantAdviceCodeRaw**

processorInformation. merchantAdvice.nameMatch

Flag returned by an issuer to indicate the result of an account name for which you sent a zero amount authorization request.

Possible values returned:

- **00**: Name match performed.
- **01**: Name match not performed.
- **02**: Name match not supported.

Use the response value to verify an account name before you request authorization for an AFT or an OCT.

When you send a zero-amount authorization request, the message must include the **orderInformation.billTo.lastName** field. The authorization request should include these additional request fields if the information is available:

- **orderInformation.billTo.firstName**
- **orderInformation.billTo.lastName**



Important

This field is available only for the Visa Platform Connect processor, and only from acquirers that support account inquiry services.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **processorInformation.merchantAdvice.nameMatch**
- SCMP API Field: **auth_name_match**
- Simple Order API Field: **ccAuthReply_nameMatch**

processorInformation. merchantNumber

Identifier that was assigned to you by your acquirer.
This value must be printed on the receipt.
This field is supported only for Cybersource integrations.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **processorInformation.merchantNumber**
- SCMP API Field: **acquirer_merchant_number**
- Simple Order API Field: **acquirerMerchantNumber**

processorInformation. networkTransactionId

Network transaction identifier (TID).
This field is available only for the Visa Platform Connect processor and only when the credit is authorized.
You can use this value to identify a specific transaction when you are discussing the transaction with your acquirer.

Specifications

- Type: String
- Length: 15

Mapping Information

- REST API Field: **processorInformation.networkTransactionId**
- SCMP API Field: **credit_auth_payment_network_transaction_id**
- Simple Order API Field: **ccCreditReply_paymentNetworkTransactionID**

processorInformation. paymentAccountReferenceNumber

Visa-generated reference number that identifies a transaction for which you provided one of the following:

- Visa primary account number (PAN)
- Visa-generated token for a PAN

This reference number provides a link to the cardholder account and to all transactions for that account.

This field is available only on the Visa Platform Connect processor.

For transactions with American Express, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR8
- Position: 79-107
- Field: PAR—Payment Account Reference

For Token Management Service transactions, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR8
- Position: 79-110
- Field: Payment Account Reference

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length: 35

Mapping Information

- REST API Field: **processorInformation.paymentAccountReferenceNumber**
- SCMP API Field: **payment_account_reference**

- Simple Order API Field: **paymentAccountReference**

processorInformation.preApprovalToken

The pre-approval token generated by an alternative payment method.

When the alternative payment method approves an order, it generates a pre-approval token in the **processorInformation.token** response field. The pre-approval token is also known as a session token or a processor token.

Specifications

- Data Type: String
- Data Length: 60

Mapping Information

- REST API Field: **processorInformation.preApprovalToken**
- SCMP API Field: **ap_auth_preapproval_token**
- Simple Order API Field: **apAuthService_preapprovalToken**

processorInformation.responseCategoryCode

Processor-defined response category code.

This field is returned only for:

- Japanese issuers
- Domestic transactions in Japan
- Credit Mutuel-CIC—the value returned in this field is a processor transaction ID required for troubleshooting. The associated detail error code is in the **processorInformation.responseCategoryCode** field or the **issuerInformation.responseCode** field, depending on which service you requested.

Specifications

- Data Type: String
- Data Length: 3
- Data Length:
 - Comercio Latino: 36
 - All other processors: 3

Mapping Information

- REST API Field: **processorInformation.responseCategoryCode**
- SCMP API Field: **additional_processor_response**
- Simple Order API Field: **additionalProcessorResponse**

processorInformation.responseCode

Response code from the issuer or the processor providing the status of the request. This field is returned only when the processor sends this value.



Important

Do not use this field to evaluate the result of the request.

This field is available for these services:

- Authorization and Incremental Authorization—This field is returned only when the processor sends this value.
- Credit—This field is returned only when the credit is authorized and the processor sends this value.
- PIN Debit—This field is the value that is returned by the processor or bank in a response.

This field is available only for the AIBMS, Comercio Latino, JCN Gateway, and Visa Platform Connect processors.

These processors have specific requirements:

AIBMS

When this value is **08**, you can accept the transaction if the customer provides you with identification.

Comercio Latino

This value is the status code and the error or response code received from the processor separated by a colon.
Format: [status code]:E[error code] or [status code]:R[response code]
Example: 2:R06

JCN Gateway

Processor-defined detail error code. The associated response category code is in the **processorInformation.responseCategoryCode** REST API field.

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The response code value **Z5** (valid account, but amount is not supported) is returned when the anticipated amount mentioned in

the transaction exceeds the account limit or available funds.

The response code value **70** (PIN data required) is possible in these countries only when the PIN data is not included in domestic card-present transactions:

- Albania
- Azerbaijan
- Georgia
- India
- Moldova
- Montenegro
- North Macedonia
- Ukraine

The response code value **1A** (additional customer authentication required) is possible only in these countries when Strong Customer Authentication (SCA_ is requested for an e-commerce or card-present transaction:

- Albania
- Azerbaijan
- Georgia
- Moldova
- Montenegro
- North Macedonia
- Ukraine

These response codes are available only for Mastercard on the Visa Platform Connect processor.

Mastercard declined authorizations: If an authorization is declined for a point-of-sale transaction, Mastercard returns a combined response code and decline reason code. The codes are added to the authorization response in this field:

- Record: Field 104
- Dataset ID: 65
- Tag: 48

The response code can be one of these values:

- **51**: Insufficient funds
- **79**: Life cycle
- **82**: Policy
- **83**: Fraud or security

The decline reason code indicates the reason that the authorization was declined, or it can provide other information that you can use to determine subsequent action. Mastercard returns one of these values as the decline reason code:

- **01**: New account information available.
- **02**: Cannot approve at this time. Retry later.
- **03**: Do not retry.
- **24**: Retry after 1 hour.
- **25**: Retry after 24 hours.
- **26**: Retry after 2 days.
- **27**: Retry after 4 days.
- **28**: Retry after 6 days.
- **29**: Retry after 8 days.
- **30**: Retry after 10 days.

Specifications

- Data Type: String
- Data Length
 - JCN Gateway: 3
 - Other supported processors: 6 (eCheck transactions); 10 (other transactions)

Mapping Information

- REST API Field: **processorInformation.responseCode**
- SCMP API Fields:
 - **auth_auth_response**
 - **auth_reversal_auth_response**
 - **credit_auth_response**
 - **ecp_credit_result_code**
 - **ecp_debit_result_code**
 - **incremental_auth_response**
 - **oct_response_code**
 - **pin_debit_credit_processor_response**

- **pin_debit_purchase_processor_response**
- **pin_debit_reversal_processor_response**
- Simple Order API Fields:
 - **ccAuthReply_processorResponse**
 - **ccAuthReply_merchantAdviceCode**
 - **ccAuthReversalReply_processorResponse**
 - **ccCreditReply_processorResponse**
 - **ccIncrementalAuthReply_processorResponse**
 - **ecCreditReply_processorResponse**
 - **ecDebitReply_processorResponse**
 - **octReply_processorResponse**
 - **pinDebitCreditReply_processorResponse**
 - **pinDebitPurchaseReply_processorResponse**
 - **pinDebitReversalReply_processorResponse**

processorInformation.responseDetails

Additional information about a declined transaction.

This field is available only on the OmniPay Direct and Visa Platform Connect processors.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **processorInformation.responseDetails**
- SCMP API Field: **additional_data**
- Simple Order API Field: **additionalData**

processorInformation. retrievalReferenceNumber

Reconciliation reference number.

This field is available only for the Visa Platform Connect processor.

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Retrieval request number.

Specifications

- Data Type: String
- Data Length: 20

Mapping Information

- REST API Field: **processorInformation.retrievalReferenceNumber**
- SCMP API Field: **auth_reconciliation_reference_number**
- Simple Order API Field: **ccAuthReply_reconciliationReferenceNumber**

processorInformation.routing.network

Indicates whether the transaction was routed on a credit network, a debit network, or the STAR signature debit network.

This field is available only on the FDC Nashville Global processor.

Possible values:

- **C**: Credit network
- **D**: Debit network (without signature)
- **S**: STAR signature debit network

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.routing.network**
- SCMP API Fields:
 - **pin_debit_credit_network_code**
 - **pin_debit_purchase_network_code**
 - **routing_network_type**
- Simple Order API Fields:
 - **pinDebitCreditReply_networkCode**
 - **pinDebitPurchaseReply_networkCode**
 - **routing_networkType**

processorInformation.routing.customerSignatureRequired

Indicates whether you need to obtain the cardholder's signature. This field is available only on the FDC Nashville Global processor.

Possible values:

- **Y**: You need to obtain the cardholder's signature.
- **N**: You do not need to obtain the cardholder's signature.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **processorInformation.routing.customerSignatureRequired**
- SCMP API Field: **routing_signature_cvm_required**
- Simple Order API Field: **routing_signatureCVMRequired**

processorInformation.routing.networkName

Name of the network on which the transaction was routed. This field is available only on the FDC Nashville Global processor.

Possible values:

- NYCE
- PULSE
- STAR
- Visa
- Mastercard

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **processorInformation.routing.networkName**
- SCMP API Field: **routing_network_label**
- Simple Order API Field: **routing_networkLabel**

processorInformation. sellerProtection.eligibility

Indicates whether customer has seller protection enabled.

Possible values:

- **true**: Seller protection is enabled.
- **false**: Seller protection is not enabled.

Specifications

- Data Type: Boolean
- Data Length: 5

Mapping Information

- REST API Field: **processorInformation.sellerProtection.eligibility**
- SCMP API Field: **ap_seller_protection_eligibility**
- Simple Order API Field: **apReply_sellerProtection_eligibility**

processorInformation. systemTraceAuditNumber

Receipt number.

This field is available only on the American Express Direct, Visa Platform Connect, and SIX processors.

Credit Card Transactions

- American Express Direct: System trace audit number (STAN). This value identifies the transaction and is useful when investigating a chargeback dispute.
- Visa Platform Connect: System trace number that must be printed on the customer's receipt.

Specifications

- Data Type: String

- Data Length: 6

Mapping Information

- REST API Field: **processorInformation.systemTraceAuditNumber**
- SCMP API Field: **receipt_number**
- Simple Order API Field: **receiptNumber**

processorInformation.transactionID

Transaction identifier (TID) or Processor transaction ID that is used to identify and track a transaction throughout its life cycle.

This field is available only on the American Express Direct, Elavon Americas, and Moneris processors.

American Express Direct and Elavon Americas

This field is available only American Express card transactions on these processors. American Express generates this value. To comply with the CAPN requirements, this value must be included in all subsequent follow-on requests, such as captures and follow-on credits.

When you perform authorizations, captures, and credits through Cybersource, Cybersource passes this value from the authorization service to the subsequent services for you. However, when you perform authorizations through Cybersource and perform subsequent services through other financial institutions, you must ensure that requests for captures and credits include this value.

Moneris

This value identifies the transaction on a host system. It contains the following information:

- Terminal used to process the transaction.
- Shift during which the transaction took place.
- Batch number.
- Transaction number within the batch.

You must store this value. If you give the customer a receipt, display this value on the receipt.

Example For the value 66012345001069003:

- Terminal ID = 66012345
- Shift number = 001
- Batch number = 069
- Transaction number = 003

Specifications

- Data Type: String
- Data Length: 87 (for e-check transactions); 15 (for all other transactions)

Mapping Information

- REST API Field: **processorInformation.transactionID**
- SCMP API Fields:
 - **auth_payment_network_transaction_id**
 - **auth_processor_trans_id**
 - **auth_reversal_processor_trans_id**
 - **auth_transaction_id**
 - **bill_processor_trans_id**
 - **credit_processor_trans_id**
 - **ecp_credit_processor_trans_id**
 - **ecp_debit_processor_trans_id**
 - **incremental_auth_payment_network_transaction_id**
 - **oct_payment_network_transaction_id**
 - **pin_debit_purchase_transaction_id**
- Simple Order API Fields:
 - **ccAuthReply_transactionID**
 - **ccAuthReply_paymentNetworkTransactionID**
 - **ccAuthReply_processorTransactionID**
 - **ccAuthReversalReply_processorTransactionID**
 - **ccCaptureReply_processorTransactionID**
 - **ccCreditReply_processorTransactionID**
 - **ccIncrementalAuthReply_paymentNetworkTransactionID**
 - **ecCreditReply_processorTransactionID**
 - **ecDebitReply_processorTransactionID**
 - **octReply_paymentNetworkTransactionID**
 - **pinDebitPurchaseReply_transactionID**

processorInformation. transactionIntegrityCode

Transaction integrity classification provided by Mastercard.

This field is available only for the Visa Platform Connect processor.

This value indicates Mastercard's evaluation of the transaction's safety and security.

Possible values for card-present transactions:

- **A1**: EMV or token in a secure, trusted environment.
- **B1**: EMV or chip equivalent.
- **C1**: Magnetic stripe.
- **E1**: Key entered.
- **U0**: Unclassified.

Possible values for card-not-present transactions:

- **A2**: Digital transactions.
- **B2**: Authenticated checkout.
- **C2**: Transaction validation.
- **D2**: Enhanced data.
- **E2**: Generic messaging.
- **U0**: Unclassified.

For information about these values, contact Mastercard or your acquirer.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR6
- Position: 136-137
- Field: Mastercard Transaction Integrity Classification

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **processorInformation.transactionIntegrityCode**
- SCMP API Field: **auth_transaction_integrity**
- Simple Order API Field: **ccAuthReply_transactionIntegrity**

productInformation

The following fields provide product information.

productInformation. selectedProducts.
commerceSolutions. accountUpdater.
configurationInformation. configurations.
amex. active

Determines whether American Express is actively configured as a card type for Account Updater.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "commerceSolutions": {
        "accountUpdater": {
          "configurationInformation": {
            "configurations": {
              "amex": {
                "active": "true"
              }
            }
          }
        }
      }
    }
  }
}
```



```

    }
  }
}
}

```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.commerceSolutions.accountUpdater.
configurationInformation.configurations.amex.active**

Product Enablement and Configuration Service API Field:

commerceSolutions.accountUpdater.configurationInformation.configurations.amex.active

productInformation. selectedProducts.
commerceSolutions. accountUpdater.
configurationInformation. configurations.
amex. mode

Determines the type of mode configured on Account Updater for American Express cards.

Possible Values

- tokenApi
- dailyHarvest

Syntax

```

{
  "productInformation": {
    "selectedProducts": {
      "commerceSolutions": {
        "accountUpdater": {
          "configurationInformation": {
            "configurations": {
              "amex": {
                "mode": "dailyHarvest"
              }
            }
          }
        }
      }
    }
  }
}

```

```

}
}
}

```

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.commerceSolutions.accountUpdater.
configurationInformation.configurations.amex.mode**

Product Enablement and Configuration Service API Field:

commerceSolutions.accountUpdater.configurationInformation.configurations.amex.mode

productInformation. selectedProducts.
commerceSolutions. accountUpdater.
configurationInformation. configurations.
daysWindow

Interval of days at which Account Updater updates payment information. The default value is 31 days.

Syntax

```

{
  "productInformation": {
    "selectedProducts": {
      "commerceSolutions": {
        "accountUpdater": {
          "configurationInformation": {
            "configurations": {
              "daysWindow": "31"
            }
          }
        }
      }
    }
  }
}

```

Specifications

- Data Type: String

- Minimum Data Length: 1
- Maximum Data Length: 3650

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.commerceSolutions.accountUpdater.
configurationInformation.configurations.daysWindow**

Product Enablement and Configuration Service API Field:

commerceSolutions.accountUpdater.configurationInformation.configurations.daysWindow

productInformation. selectedProducts.
commerceSolutions. accountUpdater.
configurationInformation. configurations.
masterCard. active

Determines whether Mastercard is actively configured as a card type for Account Updater.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "commerceSolutions": {
        "accountUpdater": {
          "configurationInformation": {
            "configurations": {
              "masterCard": {
                "active": "true"
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.commerceSolutions.accountUpdater.
configurationInformation.configurations.masterCard.active**

Product Enablement and Configuration Service API Field:

**commerceSolutions.accountUpdater.configurationInformation.
configurations.masterCard.active**

productInformation. selectedProducts.
commerceSolutions. accountUpdater.
configurationInformation. configurations.
preferredDay

Merchant's preferred day that Account Updater updates payment information.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "commerceSolutions": {
        "accountUpdater": {
          "configurationInformation": {
            "configurations": {
              "preferredDay": "1"
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 28

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.commerceSolutions.accountUpdater.
configurationInformation.configurations.preferredDay**

Product Enablement and Configuration Service API Field:

commerceSolutions.accountUpdater.configurationInformation.configurations.preferredDay

productInformation. selectedProducts.
commerceSolutions. accountUpdater.
configurationInformation. configurations.
visa. active

Determines whether Visa is actively configured as a card type for Account Updater.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "commerceSolutions": {
        "accountUpdater": {
          "configurationInformation": {
            "configurations": {
              "visa": {
                "active": "true"
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.commerceSolutions.accountUpdater.configurationInformation.configurations.visa.active

Product Enablement and Configuration Service API Field:

commerceSolutions.accountUpdater.configurationInformation.configurations.visa.active

productInformation.selectedProducts.commerceSolutions.accountUpdater.subscriptionInformation.enabled

Determines whether subscription information is enabled for Account Updater.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "commerceSolutions": {
        "accountUpdater": {
          "subscriptionInformation": {
            "enabled": "true"
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.commerceSolutions.accountUpdater.subscriptionInformation.enabled

Product Enablement and Configuration Service API Field:

commerceSolutions.accountUpdater.subscriptionInformation.enabled

productInformation.selectedProducts.commerceSolutions.accountUpdater.subscriptionInformation.selfServiceability

This field value indicates whether the organization can enable Account Updater using self service.

Possible Values

- `NOT_SELF_SERVICEABLE` (default)

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "commerceSolutions": {
        "tokenManagement": {
          "subscriptionInformation": {
            "selfServiceability": "NOT_SELF_SERVICEABLE"
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.commerceSolutions.accountUpdater.subscriptionInformation.selfServiceability

Product Enablement and Configuration Service API Field:

commerceSolutions.accountUpdater.subscriptionInformation.selfServiceability

productInformation.selectedProducts.commerceSolutions.tokenManagement.subscriptionInformation.enabled

Determines whether subscription information is enabled for Token Management Service.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "commerceSolutions": {
        "valueAddedServices": {
          "tokenManagement": {
            "subscriptionInformation": {
              "enabled": "true"
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.commerceSolutions.tokenManagement.subscriptionInformation.enabled

Product Enablement and Configuration Service API Field:

commerceSolutions.tokenManagement.subscriptionInformation.enabled

productInformation.selectedProducts. commerceSolutions.tokenManagement. subscriptionInformation.selfServiceability

This field value indicates whether the organization can enable the Token Management Service using self service.

Possible Values

- `NOT_SELF_SERVICEABLE` (default)

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "commerceSolutions": {
        "valueAddedServices": {
          "tokenManagement": {
            "subscriptionInformation": {
              "selfServiceability": "NOT_SELF_SERVICEABLE"
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.commerceSolutions.tokenManagement.
subscriptionInformation.selfServiceability**

Product Enablement and Configuration Service API Field:

commerceSolutions.tokenManagement.subscriptionInformation.selfServiceability

productInformation.selectedProducts.
commerceSolutions.valueAddedServices.
reporting.subscriptionInformation.enabled

Determines whether subscription information is enabled for Reporting.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "commerceSolutions": {
        "valueAddedServices": {
          "reporting": {
            "subscriptionInformation": {
              "enabled": "true"
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.commerceSolutions.valueAddedServices.
reporting.subscriptionInformation.enabled**

Product Enablement and Configuration Service API Field:

commerceSolutions.valueAddedServices.reporting.subscriptionInformation.enabled

productInformation.selectedProducts.commerceSolutions.valueAddedServices.reporting.subscriptionInformation.selfServiceability

This field value indicates whether the organization can enable Reporting using self service.

Possible Values

- `NOT_SELF_SERVICEABLE` (default)

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "commerceSolutions": {
        "valueAddedServices": {
          "reporting": {
            "subscriptionInformation": {
              "selfServiceability": "NOT_SELF_SERVICEABLE"
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.commerceSolutions.valueAddedServices.reporting.subscriptionInformation.selfServiceability

Product Enablement and Configuration Service API Field:

commerceSolutions.valueAddedServices.reporting.subscriptionInformation.selfServiceability

productInformation.selectedProducts.
commerceSolutions.valueAddedServices.
transactionSearch.subscriptionInformation.
enabled

Determines whether subscription information is enabled for Transaction Search.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "commerceSolutions": {
        "valueAddedServices": {
          "transactionSearch": {
            "subscriptionInformation": {
              "enabled": "true"
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.commerceSolutions.valueAddedServices.
transactionSearch.subscriptionInformation.enabled**

Product Enablement and Configuration Service API Field:

**commerceSolutions.valueAddedServices.transactionSearch.
subscriptionInformation.enabled**

productInformation.selectedProducts.commerceSolutions.valueAddedServices.transactionSearch.subscriptionInformation.selfServiceability

This field value indicates whether the organization can enable Transaction Search using self service.

Possible Values

- `NOT_SELF_SERVICEABLE` (default)

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "commerceSolutions": {
        "valueAddedServices": {
          "transactionSearch": {
            "subscriptionInformation": {
              "selfServiceability": "NOT_SELF_SERVICEABLE"
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.commerceSolutions.valueAddedServices.transactionSearch.subscriptionInformation.selfServiceability

Product Enablement and Configuration Service API Field:

commerceSolutions.valueAddedServices.transactionSearch.subscriptionInformation.selfServiceability

productInformation.selectedProducts.payments.cardPresentConnect.subscriptionInformation.enabled

This field indicates if subscription information is enabled or disabled for Card Present Connect.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardPresentConnect": {
          "subscriptionInformation": {
            "enabled": "true"
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.subscriptionInformation.enabled

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.subscriptionInformation.enabled

productInformation.selectedProducts.
 payments.cardPresentConnect.
 subscriptionInformation.selfServiceability

This field value indicates whether the organization can enable Card Present Connect using self service.

Possible Values

- `NOT_SELF_SERVICEABLE` (default)

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardPresentConnect": {
          "subscriptionInformation": {
            "selfServiceability": "NOT_SELF_SERVICEABLE"
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.payments.cardPresentConnect.
 subscriptionInformation.selfServiceability**

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.subscriptionInformation.selfServiceability

productInformation.selectedProducts.
 payments.cardProcessing.

configurationInformation.configurations.common. allowCapturesGreaterThanAuthorizations

If set to `true`, this field indicates that the merchant account is enabled to capture amounts that are greater than the authorization amount.

This field is available for these processors: Chase Paymentech Solutions, Chase Paymentech Tandem, GPX and Visa Platform Connect.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "allowCapturesGreaterThanAuthorizations": "true"
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API:

productInformation.selectedProducts.payments.cardProcessing.

configurationInformation.configurations.common.allowCapturesGreaterThanAuthorizations

Product Enablement and Configuration Service API: **payments.cardProcessing.**

configurationInformation.configurations.common.allowCapturesGreaterThanAuthorization

productInformation.selectedProducts.
 payments.cardProcessing.
 configurationInformation.configurations.
 common.defaultAuthTypeCode

Authorization finality indicator. Request value can be in lowercase or capitalized letters.

This field is available for these processors: Barclays, Barclays Merchant Services, Chase Paymentech Solutions, Chase Paymentech Tandem, Elavon Americas, FDMS Nashville, FDC Nashville Global, GPN, GPX, SIX, Streamline, Visa Platform Connect, and TSYS Acquiring Solutions.

Possible Values

- FINAL
- PRE
- UNDEFINED

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "defaultAuthTypeCode": "UNDEFINED"
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.

configurationInformation.configurations.common.defaultAuthTypeCode

Product Enablement and Configuration Service API Field: **payments.cardProcessing.**

configurationInformation.configurations.common.defaultAuthTypeCode

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
common.
enableDuplicateMerchantReferenceNumberBlocking

Indicates if duplicate merchant reference numbers are blocked for transactions.

This field is available for these processors: Chase Paymentech Solutions, GPX, and Visa Platform Connect.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "enableDuplicateMerchantReferenceNumberBlocking": "true"
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.

configurationInformation.configurations.common.enableDuplicateMerchantReferenceNumberBlocki

Product Enablement and Configuration Service API Field: **payments.cardProcessing.**

configurationInformation.configurations.common.enableDuplicateMerchantReferenceNumberBlocki

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
common. enableInterchangeOptimization

When this field is set to `true`, your interchange fees are reduced by using automatic authorization refresh and automatic partial authorization reversal.

This field is available for these processors: Visa Platform Connect.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "enableInterchangeOptimization": "true"
              }
            }
          }
        }
      }
    }
  }
}
```

}

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.

configurationInformation.configurations.common.enableInterchangeOptimization

Product Enablement and Configuration Service API Field: **payments.cardProcessing.**

configurationInformation.configurations.common.enableInterchangeOptimization

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
common. enablePartialAuth

When this field is set to `true`, it enables merchants to accept partial authorization approvals.

This field is available for these processors: American Express Direct, Chase Paymentech Solutions, Chase Paymentech Tandem, Elavon Americas, GPN, GPX, FDC Nashville Global, FDMS Nashville, Visa Platform Connect, and TSYS Acquiring Solutions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "enablePartialAuth": "true"
              }
            }
          }
        }
      }
    }
  }
}
```

```

    }
  }
}
}
}

```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.payments.cardProcessing.
configurationInformation.configurations.common.enablePartialAuth**

Product Enablement and Configuration Service API Field: **payments.cardProcessing.
configurationInformation.configurations.common.enablePartialAuth**

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
common. enableSplitShipment

When this field is set to `true`, it enables merchants to split an order into multiple shipments with multiple captures. This feature is provided by Cybersource and supports three different scenarios:

- Multiple authorizations
- Multiple captures
- Multiple authorizations with multiple captures

This field is available for these processors: Visa Platform Connect.

Possible Values

- `true`
- `false`

Syntax

```

{
  "productInformation": {
    "selectedProducts": {
      "payments": {

```


Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "merchantDescriptorInformation": {
                  "city": "Boston"
                }
              }
            }
          }
        }
      }
    }
  }
}
```

American Express Direct and RuPay: The syntax must conform to this regular expression:

```
^[0-9a-zA-Z\s]+$
```

TSYS Acquiring Solutions: The syntax must conform to this regular expression:

```
%5E%5B0-9a-zA-Z%5D%2B%24
```

Specifications

- Data Type: String
- Minimum Data Length:
 - Elavon Americas: 0
 - All other processors: 1
- Maximum Data Length:
 - American Express Direct: 21
 - All other processors: 13

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.common.merchantDescriptorInformation.city

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.common.merchantDescriptorInformation.city

productInformation.selectedProducts.
 payments.cardProcessing.
 configurationInformation.configurations.
 common.merchantDescriptorInformation.
 country

Country of origin for the merchant's business.

Use the ISO Alpha-2 country code described in the ISO 3166 standard.

Use the ISO Alpha-3 country code described in the ISO 3166 standard.

For more information, see: <https://www.iso.org/iso-3166-country-codes.html>

This field is available for these processors: American Express Direct (required), Elavon Americas, SIX, and TSYS Acquiring Solutions.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "merchantDescriptorInformation": {
                  "country": "CAN"
                }
              }
            }
          }
        }
      }
    }
  }
}
```

The syntax must conform to this regular expression:

American Express Direct

```
^[A-Z]+$
```

All other processors

```
%5E%5B0-9a-zA-Z%5D%2B%24
```

Specifications

- Data Type: String
- Minimum Data Length:
 - Elavon Americas: 2
 - All other processors: 3
- Maximum Data Length:
 - Elavon Americas: 2
 - All other processors: 3

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.common.merchantDescriptorInformation.country

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.common.merchantDescriptorInformation.country

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.merchantDescriptorInformation.name

Merchant business name.

This name is displayed on the cardholder's statement. When you include more than one consecutive space, extra spaces are removed. When used with Payer Authentication, this field is the company's name as it appears to the customer in the issuing bank's authentication form. This value overrides the value specified by the merchant bank. This field is available for these processors: American Express Direct (required), Elavon Americas, RuPay, and TSYS Acquiring Solutions.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
```

```
"configurations": {  
  "common": {  
    "merchantDescriptorInformation": {  
      "name": "Merchant Name"  
    }  
  }  
}
```

The syntax must conform to this regular expression:

```
^[0-9a-zA-Z\s]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 38

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.common.merchantDescriptorInformation.name

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.common.merchantDescriptorInformation.name

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
common. merchantDescriptorInformation.
phone

Merchant phone number.

This field is available for these processors: American Express Direct (required), Elavon Americas, RuPay, and TSYS Acquiring Solutions.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "merchantDescriptorInformation": {
                  "phone": "5554327113"
                }
              }
            }
          }
        }
      }
    }
  }
}
```

The syntax must conform to this regular expression:

```
^[0-9a-zA-Z\s]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 20

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.common.merchantDescriptorInformation.phone

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.common.merchantDescriptorInformation.phone

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.

common.merchantDescriptorInformation.state

State code or region code of the merchant business location.

Use the standard state, province, and territory codes for the US and Canada. This field is supported only for businesses located in the US or Canada. This value must consist of English characters. This value might be displayed on the cardholder's statement.

This field is available for these processors: American Express Direct (required), Elavon Americas, RuPay, and TSYS Acquiring Solutions.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "merchantDescriptorInformation": {
                  "state": "TX"
                }
              }
            }
          }
        }
      }
    }
  }
}
```

The syntax must conform to this regular expression:

```
^[A-Z]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 3

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.common.merchantDescriptorInformation.state

Product Enablement and Configuration Service API Field:
**payments.cardPresentConnect.configurationInformation.
 configurations.common.merchantDescriptorInformation.state**

**productInformation.selectedProducts.
 payments.cardProcessing.
 configurationInformation.configurations.
 common.merchantDescriptorInformation.
 street**

Street address of the merchant business location.

This value must consist of English characters. This value might be displayed on the cardholder's statement.

This field is available for these processors: American Express Direct (required), Elavon Americas, and TSYS Acquiring Solutions.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "merchantDescriptorInformation": {
                  "street": "123 Main St"
                }
              }
            }
          }
        }
      }
    }
  }
}
```

The syntax must conform to this regular expression:

```
^[0-9a-zA-Z\s]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 38

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.common.merchantDescriptorInformation.street

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.common.merchantDescriptorInformation.street

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
common. merchantDescriptorInformation.
url

URL of the merchant website.

This field is available for these processors: American Express Direct and RuPay.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "merchantDescriptorInformation": {
                  "url": "http://www.merchwebsite.com"
                }
              }
            }
          }
        }
      }
    }
  }
}
```

}

American Express Direct: The syntax must conform to this regular expression:

```
^(((ht|f)tp(s?):\\\/[^\.])|www\.)[-a-zA-Z0-9+&@#/%=-_!|:,;]*[-a-zA-Z0-9+&@#/%=-_!|:,;]*$
```

RuPay: The syntax must conform to this regular expression:

```
%5E%28%28%28ht%7Cf%29tp%28s%3F%29%3A%5C%2F%5C%2F%5B%5E%5C.%5D%29%7Cwww%5C.%29%5B-a-zA-Z0-9%2B%26amp%3B%40%23%2F%25%3D%7E_%7C%21%3A%2C.%3B%5D*%5B-a-zA-Z0-9%2B%26amp%3B%40%23%2F%25%3D%7E_%7C%5D%24
```

Specifications

- Data Type: String
- Minimum Data Length:
 - American Express Direct: 1
 - RuPay: 0
- Maximum Data Length:
 - American Express Direct: 40
 - RuPay: 128

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.common.merchantDescriptorInformation.url

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.common.merchantDescriptorInformation.url

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
common. merchantDescriptorInformation.
zip

Postal code of the merchant business location.

This value might be displayed on the cardholder's statement.

If your business is located in the US, you can use a 5-digit or 9-digit postal code. A 9-digit postal code must follow this format: [5 digits][dash][4 digits]

Example: 12345-6789

If your business is domiciled in Canada, use a 6-digit postal code. A 6-digit postal code must follow this format: [alpha][numeric][alpha][space] [numeric][alpha][numeric]

Example: A1B 2C3

This field is available for these processors: American Express Direct (required), Elavon Americas, RuPay, and TSYS Acquiring Solutions.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "merchantDescriptorInformation": {
                  "zip": "12345-6789"
                }
              }
            }
          }
        }
      }
    }
  }
}
```

The syntax must conform to this regular expression:

```
^[0-9a-zA-Z\s]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 15

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.common.merchantDescriptorInformation.zip

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.common.merchantDescriptorInformation.zip

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
common.preferCobadgedSecondaryBrand

Indicates the merchant's preference on secondary card brand for routing in the case of co-branded cards.

This field is available for this processor: EFTPOS.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "preferCobadgedSecondaryBrand": "true"
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.preferCobadgedSecondaryBrand

Product Enablement and Configuration Service API Field:
**payments.cardProcessing.configurationInformation.configurations.
 common.preferCobadgedSecondaryBrand**

productInformation.selectedProducts.
 payments.cardProcessing.
 configurationInformation.configurations.
 common.processLevel3Data

Indicates whether the merchant processes Level III transactions.

This field is available for these processors: Barclays Merchant Services Chase Paymentech Solutions, Chase Paymentech Tandem, FDC Nashville Global, Elavon Americas, and TSYS Acquiring Solutions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processLevel3Data": "true"
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processLevel3Data

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processLevel3Data

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
features. cardNotPresent.
amexTransactionAdviceAddendum1

Transaction advice addendum field that is used to display descriptive information about a transaction on a customer's American Express card statement.

This field is available for these processors: American Express Direct, FDC Nashville Global, and TSYS Acquiring Solutions.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
                "cardNotPresent": {
                  "amexTransactionAdviceAddendum1": "amextaa"
                }
              }
            }
          }
        }
      }
    }
  }
}
```

The syntax must conform to this regular expression:

```
^[0-9a-zA-Z\-\s.]+$
```

Specifications

- Data Type:String
- Minimum Data Length:
 - American Express Direct: 1
- Maximum Data Length:
 - American Express Direct: 40

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.

configurationInformation.configurations.features.cardNotPresent.amexTransactionAdviceAddendum

Product Enablement and Configuration Service API Field: **payments.cardProcessing.**

configurationInformation.configurations.features.cardNotPresent.amexTransactionAdviceAddendum

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
features. cardNotPresent.
ignoreAddressVerificationSystem

Flag for a sale request that indicates whether to allow the capture service to run when the authorization receives a address verification system (AVS) decline.

This field is available for these processors: Barclays, Barclays HISO, Barclays Merchant Services, FDC Nashville Global, GPN, GPX, and Visa Platform Connect.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
```

```
        "cardNotPresent": {  
            "ignoreAddressVerificationSystem": "false"  
        }  
    }  
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.ignoreAddressVerificationSystem

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.ignoreAddressVerificationSystem

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
features. cardNotPresent. installment.
enableInstallment

When set to **true**, this field enables installment plan programs.

This field is available for these processors: American Express Direct, Fiserv, and Vero.

Possible Values

- **true**
- **false**

Syntax

```
{  
  "productInformation": {
```

```

"selectedProducts": {
  "payments": {
    "cardProcessing": {
      "configurationInformation": {
        "configurations": {
          "features": {
            "cardNotPresent": {
              "installment": {
                "enableInstallment": "true"
              }
            }
          }
        }
      }
    }
  }
}

```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.installment.enableInstallment

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.installment.enableInstallment

productInformation. selectedProducts.
 payments. cardProcessing.
 configurationInformation. configurations.
 features. cardNotPresent. installment.
 installmentPlan

Indicates the type of funding for the installment plan that is associated with the payment. This field is available for these processors: American Express Direct, Fiserv, and Vero.

Possible Values

- **issuer**: Issuer-funded installment plan
- **merchant**: Merchant-funded installment plan

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
                "cardNotPresent": {
                  "installment": {
                    "installmentPlan": "merchant"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.installment.installmentPlan

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.installment.installmentPlan

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.

features. cardNotPresent. processors. [processorName]. enableEmsTransactionRiskScore

Indicates if Mastercard Expert Monitoring Solutions (EMS) is enabled. EMS provides a predictive, behavior-based fraud score in real time during authorizations for card-not-present transactions on cards issued in the US.

This field is available for these processors: GPX and Visa Platform Connect.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
                "cardNotPresent": {
                  "processors": [
                    "<processor>": {
                      "enableEmsTransactionRiskScore": "true"
                    }
                  ]
                }
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.processors.

[processorName].enableEmsTransactionRiskScore

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.

features.cardNotPresent.processors.[processorName].enableEmsTransactionRiskScore

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
features. cardNotPresent. processors.
[processorName]. payouts. currencies.
[currency]. enabledCnp

Indicates whether the card-not-present transaction is activated for the selected currency.

If both of these fields are set to `null`:

- **productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.features.cardNotPresent.processors.[processorName].payouts.currencies.[currency].enabledCp**
- **productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.features.cardNotPresent.processors.[processorName].payouts.currencies.[currency].enabledCnp**

Then this field will be set to `true`:

- **productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.features.cardNotPresent.processors.[processorName].payouts.currencies.[currency].enabledCnp**

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
```

```

"features": {
  "cardNotPresent": {
    "processors": [
      "<processor>": {
        "payouts": {
          "currencies": [
            "<currency>": {
              "enabledCnp": "true"
            }
          ]
        }
      }
    ]
  }
}

```

- <processor>: The processor that is associated with the merchant account.
- <currency>: The currency that is supported by the merchant.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.processors.

[processorName].payouts.currencies.[currency].enabledCnp

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.

features.cardNotPresent.processors.[processorName].payouts.currencies.

[currency].enabledCnp

productInformation. selectedProducts.
 payments. cardProcessing.
 configurationInformation. configurations.
 features. cardNotPresent. processors.

[processorName]. payouts. currencies. [currency]. enabledCp

Indicates whether the card-not-present transaction is activated for the selected currency.

If both of these fields are set to `null`:

- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.features.cardNotPresent.processors.[processorName].payouts.currencies.[currency].enabledCp`
- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.features.cardNotPresent.processors.[processorName].payouts.currencies.[currency].enabledCnp`

Then this field will be set to `true`:

- `productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.features.cardNotPresent.processors.[processorName].payouts.currencies.[currency].enabledCp`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
                "cardNotPresent": {
                  "processors": [
                    "<processor>": {
                      "payouts": {
                        "currencies": [
                          "<currency>": {
                            "enabledCp": "true"
                          }
                        ]
                      }
                    }
                  ]
                }
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.
- <currency>: The currency that is supported by the merchant.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.processors.

[processorName].payouts.currencies.[currency].enabledCp

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.

features.cardNotPresent.processors.[processorName].payouts.currencies.

[currency].enabledCp

```
productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
features. cardNotPresent. processors.
[processorName]. payouts. currencies.
[currency]. enabled
```

Indicates which payout currencies are enabled.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
```

```

"cardNotPresent": {
  "processors": [
    "<processor>": {
      "payouts": {
        "currencies": [
          "<currency>": {
            "enabled": "true"
          }
        ]
      }
    }
  ]
}

```

- <processor>: The processor that is associated with the merchant account.
- <currency>: The currency that is supported by the merchant.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.processors.

[processorName].payouts.currencies.[currency].enabled

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.

features.cardNotPresent.processors.[processorName].payouts.currencies.

[currency].enabled

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
features. cardNotPresent. processors.

[processorName]. payouts. currencies. [currency]. serviceEnablementNumber

The service enablement number (SE number).

A unique 10-digit number assigned by American Express to a merchant that accepts American Express cards that are provided by the acquiring bank. This number might be unique for each currency.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
                "cardNotPresent": {
                  "processors": [
                    "<processor>": {
                      "payouts": {
                        "currencies": [
                          "<currency>": {
                            "serviceEnablementNumber": "0123456789"
                          }
                        ]
                      }
                    }
                  ]
                }
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.
- <currency>: The currency that is supported by the merchant.

The value of this field must conform to this regular expression:

```
^[0-9]+$
```

Specifications

- Data Type: String

- Minimum Data Length: 10
- Minimum Data Length: 10

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.processors.

[processorName].payouts.currencies.[currency].serviceEnablementNumber

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.

features.cardNotPresent.processors.[processorName].payouts.currencies.

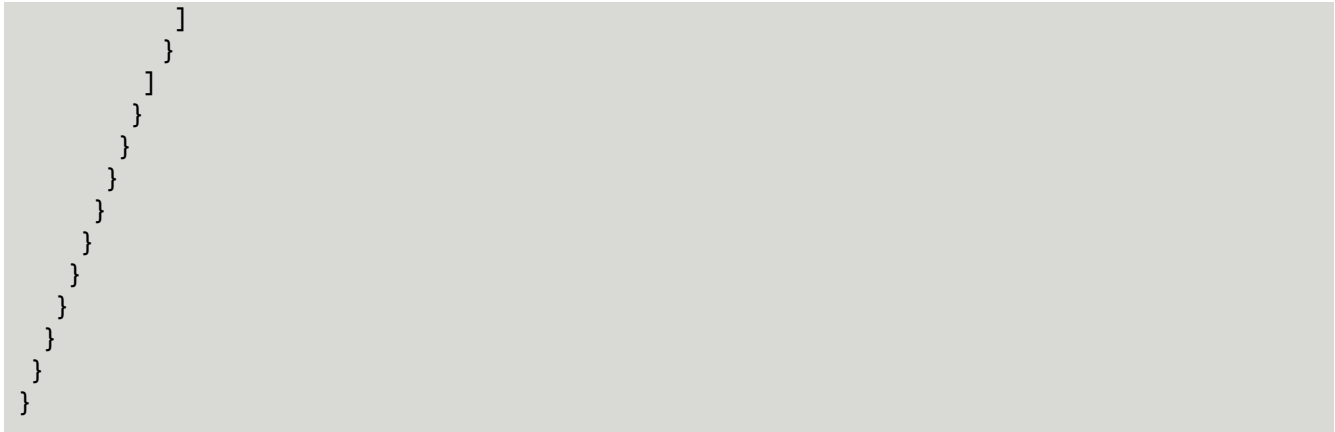
[currency].serviceEnablementNumber

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
features. cardNotPresent. processors.
[processorName]. payouts. currencies.
[currency]. terminalId

The terminal ID that is used with the payment processor. Depending on the processor and payment acceptance type, this field value may also be the default terminal ID that is used for card-present and virtual terminal transactions.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
                "cardNotPresent": {
                  "processors": [
                    "<processor>": {
                      "payouts": {
                        "currencies": [
                          "<currency>": {
                            "terminalId": "018284"
                          }
                        ]
                      }
                    }
                  ]
                }
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.
- <currency>: The currency that is supported by the merchant.

The value of this field must conform to this regular expression:

```
^[0-9:\-]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 255

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.processors.

[processorName].payouts.currencies.[currency].terminalId

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.

features.cardNotPresent.processors.[processorName].payouts.currencies.

[currency].terminalId

```
productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
features. cardNotPresent. processors.
```

[processorName]. payouts. merchantAbaNumber

Routing number that is used to identify banks within the US.
This field is available for this processor: Visa Platform Connect.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
                "cardNotPresent": {
                  "processors": [
                    "ctv": {
                      "payouts": {
                        "merchantAbaNumber": "123456789"
                      }
                    }
                  ]
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: String
- Data Length: 9

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.processors.

[processorName].payouts.merchantAbaNumber

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.

features.cardNotPresent.processors.[processorName].payouts.merchantAbaNumber

productInformation.selectedProducts.
 payments.cardProcessing.
 configurationInformation.configurations.
 features.cardNotPresent.processors.
 [processorName].payouts.merchantId

The merchant identifier (MID) that is configured for payouts.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "features": {
                  "cardNotPresent": {
                    "processors": [
                      "<processor>": {
                        "payouts": {
                          "merchantId": "testrest"
                        }
                      }
                    ]
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

The value of this field must conform to this regular expression:

```
^[0-9]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 11

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.processors.
[processorName].payouts.merchantId**

Product Enablement and Configuration Service API Field:

**payments.cardPresentConnect.configurationInformation.configurations.
features.cardNotPresent.processors.[processorName].payouts.merchantId**

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
features. cardNotPresent. processors.
[processorName]. payouts. terminalId

The terminal ID that is used with the payment processor.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "features": {
                  "cardNotPresent": {
                    "processors": [
                      "<processor>": {
                        "payouts": {
                          "terminalId": "01234"
                        }
                      }
                    ]
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```


Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
                "cardNotPresent": {
                  "processors": [
                    "<processor>": {
                      "relaxAddressVerificationSystemAllowExpiredCard": "true"
                    }
                  ]
                }
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.processors.

[processorName].relaxAddressVerificationSystemAllowExpiredCard

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.processors.

[processorName].relaxAddressVerificationSystemAllowExpiredCard

productInformation.selectedProducts.
 payments.cardProcessing.
 configurationInformation.configurations.
 features.cardNotPresent.processors.
 [processorName].
 relaxAddressVerificationSystemAllowZipWithoutCountry

When set to `true`, this field allows transactions that include a zip code without country. This field is available for these processors: American Express Direct, Barclays HISO, Chase Paymentech Solutions, GPN, GPX, Elavon Americas, FDC Nashville Global, RuPay, Visa Platform Connect

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
                "cardNotPresent": {
                  "processors": [
                    "<processor>": {
                      "relaxAddressVerificationSystemAllowZipWithoutCountry": "true"
                    }
                  ]
                }
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.processors.

[processorName].relaxAddressVerificationSystemAllowZipWithoutCountry

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.processors.

[processorName].relaxAddressVerificationSystemAllowZipWithoutCountry

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
features. cardNotPresent. processors.
[processorName].
relaxAddressVerificationSystem

Enables you to submit the payment transaction without one or more of the billing to or card expiration fields.

This field is available for these processors: American Express Direct, Barclays HISO, CB2A, Chase Paymentech Solutions, Credit Mutuel-CIC, Elavon Americas, FDC Nashville Global, Fiserv, GPN, GPX, SIX, Vero, and Visa Platform Connect.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
```



```

"cardProcessing": {
  "configurationInformation": {
    "configurations": {
      "features": {
        "cardNotPresent": {
          "processors": [
            "<processor>": {
              "relaxAddressVerificationSystem": "true"
            }
          ]
        }
      }
    }
  }
}

```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.processors.[processorName].relaxAddressVerificationSystem

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.processors.[processorName].relaxAddressVerificationSystem

productInformation. selectedProducts.
 payments. cardProcessing.
 configurationInformation. configurations.
 features. cardNotPresent.
 visaStraightThroughProcessingOnly

Indicates if a merchant is enabled for straight through processing – B2B invoice payments. This field is available for these processors: FDC Nashville Global, GPX, TSYS Acquiring Solutions, and Visa Platform Connect.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
                "cardNotPresent": {
                  "visaStraightThroughProcessingOnly": "true"
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.visaStraightThroughProcessingOnly

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.features.cardNotPresent.visaStraightThroughProcessingOnly

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.

features.cardPresent.enableTerminalIdLookup

Used for card-present and virtual terminal transactions for terminal ID lookup. This field is available for these processors: GPX.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
                "cardPresent": {
                  "enableTerminalIdLookup": "true"
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.features.cardPresent.enableTerminalIdLookup

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.features.cardPresent.enableTerminalIdLookup

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
features.cardPresent.processors.
[processorName].
disablePointOfSaleTerminalIdValidation

Indicates if terminal ID validation is disabled.
This field is available for this processor: Visa Platform Connect.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
                "cardPresent": {
                  "processors": [
                    "ctv": {
                      "disablePointOfSaleTerminalIdValidation": "true"
                    }
                  ]
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.features.cardPresent.processors.

[processorName].disablePointOfSaleTerminalIdValidation

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.features.cardPresent.processors.

[processorName].disablePointOfSaleTerminalIdValidation

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
features. cardPresent. processors.
[processorName]. enablePinTranslation

Enables Cybersource PIN translation for online PIN transactions. You must exchange PIN keys with Cybersource to use this feature.

This field is available for this processor: Visa Platform Connect.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
                "cardPresent": {
                  "processors": [
                    "<processor>": {
```


Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
                "cardPresent ": {
                  "processors": [
                    "<processor>": {
                      "pinDebitReimbursementCode": "Z"
                    }
                  ]
                }
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardPresentConnect.configurationInformation.configurations.features.cardPresent.processors.[processorName].pinDebitReimbursementCode

Product Enablement and Configuration Service API Field:

payments.cardPresentConnect.configurationInformation.configurations.features.cardPresent.processors.[processorName].pinDebitReimbursementCode

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.

common.processors.[processorName].acquirer

Merchant's acquiring bank.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "acquirer": "acquiringBank"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

The value of this field must conform to the regular expression format:

```
^[0-9a-zA-Z]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum data Length: 15

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].acquirer

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].acquirer

productInformation.selectedProducts.
 payments.cardProcessing.
 configurationInformation.configurations.
 common.processors.[processorName].
 allowMerchantDescriptorOverride

Enables a partner to enable or disable merchant descriptor values.
 This field is available for these processors: China UnionPay, EFTPOS, and Visa Platform Connect.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "allowMerchantDescriptorOverride": "true"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].allowMerchantDescriptorOverride

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].allowMerchantDescriptorOverride

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
common.processors.[processorName].
allowMultipleBills

If field is set to `true`, it enables a merchant to allow multiple captures for a single authorization transaction.

This field is available for these processors: American Express Direct, Chase Paymentech Tandem GPX, Visa Platform Connect.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "allowMultipleBills": "true"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

```

    }
  }
}
}

```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].allowMultipleBills

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].allowMultipleBills

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
common.processors.[processorName].
enhancedData

Enhanced data available for airline transactions.

This field is available for these processors: American Express Direct, Barclays Merchant Services, Elavon Americas, FDC Nashville Global, GPX, TSYS Acquiring Solutions and Visa Platform Connect.

Possible Values

- `enabled`
- `disabled`
- `ignored`
- `required`

Syntax

```

{
  "productInformation": {

```

```

"selectedProducts": {
  "payments": {
    "cardProcessing": {
      "configurationInformation": {
        "configurations": {
          "common": {
            "processors": [
              "<processor>": {
                "enhancedData": "enabled"
              }
            ]
          }
        }
      }
    }
  }
}

```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enhancedData

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enhancedData

productInformation.selectedProducts.
 payments.cardProcessing.
 configurationInformation.configurations.
 common.processors.[processorName].
 fireSafetyIndicator

When this field is set to `true`, it indicates that the merchant is compliant with the Hotel and Motel Fire Safety Act of 1990.

This field is available for these processors: GPX and Visa Platform Connect.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "fireSafetyIndicator": "true"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].fireSafetyIndicator

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].fireSafetyIndicator

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.

common.processors.[processorName].industryCode

Field that is used to identify the industry type of the merchant submitting the authorization request.

This field is available for these processors: Elavon Americas, RuPay and TSYS Acquiring Solutions.

Possible Values

- **Ø**: Unknown or unsure
- **A**: Auto rental (EMV supported)
- **B**: Bank/financial institution (EMV supported)
- **D**: Direct marketing
- **F**: Food/restaurant (EMV supported)
- **G**: Grocery store/super market (EMV supported)
- **H**: Hotel (EMV supported)
- **L**: Limited amount terminal (EMV supported)
- **O**: Oil company/automated fueling system (EMV supported)
- **P**: Passenger transport (EMV supported)
- **R**: Retail (EMV supported)

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "industryCode": "Ø"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- **<processor>**: The processor that is associated with the merchant account.

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].industryCode

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].industryCode

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
common.processors.[processorName].
merchantId

The merchant ID that is provided by the acquirer or processor.

This field is available for these processors: Barclays HISO, Barclays Merchant Services, and Elavon Americas.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "merchantId": "merchant2345"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

```
}
}
```

- <processor>: The processor that is associated with the merchant account.

The value of this field must conform to the regular expression format:

```
^[0-9a-zA-Z]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length:
 - Barclays HISO: 15
 - Barclays Merchant Services: 11

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].merchantId

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].merchantId

```
productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
common. processors.[processorName].
merchantBinNumber
```

6-digit acquirer bank identification number (BIN).

This field is available for these processors: TSYS Acquiring Solutions.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
```



```

"configurationInformation": {
  "configurations": {
    "common": {
      "processors": [
        "vital": {
          "merchantBinNumber": "123456"
        }
      ]
    }
  }
}

```

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].merchantBinNumber

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].merchantBinNumber

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
common. processors.[processorName].
merchantLocationNumber

5-digit merchant location number. Unless otherwise specified by merchant's bank or processor, this field should default to 00001.

This field is available for the following processors: TSYs Acquiring Solutions.

Syntax

```
{
```

```

"productInformation": {
  "selectedProducts": {
    "payments": {
      "cardProcessing": {
        "configurationInformation": {
          "configurations": {
            "common": {
              "processors": [
                "vital": {
                  "merchantLocationNumber": "00001"
                }
              ]
            }
          }
        }
      }
    }
  }
}

```

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].merchantLocationNumber

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].merchantLocationNumber

productInformation. selectedProducts.
 payments. cardProcessing.
 configurationInformation. configurations.
 common. processors.[processorName].
 merchantTier

Defines the type of merchant. The numeric merchant tier value is assigned by EFTPOS.

This field is available for these processors: EFTPOS.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "eftpos": {
                    "merchantTier": "01"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: String
- Minimum Data Length: 3
- Maximum Data Length: 3

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].merchantTier

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].merchantTier

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.

common.processors.[processorName].sicCode

Standard Industrial Classification (SIC) code is a 4-digit code that categorizes the industry that the company belongs to based on their business activities. SIC codes were mostly replaced by the 6-digit North American Industry Classification System (NAICS). This field is available for these processors: GPX and Visa Platform Connect.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "sicCode": "1234"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].sicCode

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].sicCode

productInformation. selectedProducts.
 payments. cardProcessing.
 configurationInformation. configurations.
 common. processors.[processorName].
 terminalId

Terminal ID used with the payment processor. Depending on the processor and payment acceptance type, this may also be the default terminal ID used for card-present and virtual terminal transactions.

This field is available for this processors: Barclays HISO.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "terminalId": "merchant2345"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

The value of this field must conform to the regular expression format:

```
^[0-9a-zA-Z]+$
```

Specifications

- Data Type: String

- Minimum Data Length: 1
- Maximum Data Length: 16

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].terminalId

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].terminalId

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
common. processors.[processorName].
abaNumber

Routing number that is used to identify banks within the US.
This field is available for this processor: GPX.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "abaNumber": "123456789"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: String
- Data Length: 9

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].abaNumber

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].abaNumber

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
common.processors.[processorName].
acquirer.countryCode

Two-character ISO country or reason code of the acquirer.

This field is available for these processors: China UnionPay, EFTPOS, GPX, Prisma, RuPay, and Visa Platform Connect.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "acquirer": {
                      "countryCode": "US"
                    }
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```



```

"common": {
  "processors": [
    "<processor>": {
      "acquirer": {
        "institutionId": "1111"
      }
    }
  ]
}

```

- <processor>: The processor that is associated with the merchant account.

The value of this field must conform to the regular expression format:

```
^[0-9]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 13

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].acquirer.institutionId

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].acquirer.institutionId

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
common.processors.[processorName].
acquirerMerchantId

Merchant identifier that is assigned by the acquirer.

This field is available for these processors: RuPay, SIX, and Visa Platform Connect.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "acquirerMerchantId": "testacquirerid"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 11

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].acquirer.acquirerMerchantId

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].acquirer.acquirerMerchantId

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.

common.processors.[processorName].amexTransactionAdviceAddendum1

American Express advice addendum field. This field is used to display descriptive information about a transaction on customer's American Express card statement. This field is available for these processors: American Express Direct, FDC Nashville Global and TSYS Acquiring Solutions.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "amexTransactionAdviceAddendum1": ""
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

The value of this field must conform to the regular expression format:

```
^[0-9a-zA-Z\-\s.]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 40

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].amexTransactionAdviceAddendum1

Product Enablement and Configuration Service API Field:

**payments.cardProcessing.configurationInformation.configurations.common.processors.
[processorName].amexTransactionAdviceAddendum1**

**productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
common.processors.[processorName].
avsFormat**

Enables Enhanced Address Verification Service (AVS)/Automated Address Verification Plus (AAV+).

This field is available for this processor: American Express Direct.

Possible Values

- **basic**: Standard address verification system. When a processor supports AVS for a transaction's card type, the issuing bank uses AVS to confirm that the customer has provided the correct billing address. When a customer provides incorrect information, the transaction might be fraudulent.
- **basic + name**: Enhanced address verification system. Consists of the standard AVS functionality plus verification of these additional fields:
 - **orderInformation.billTo.firstName**
 - **orderInformation.billTo.lastName**
- **basic + name + shipto**: Automated address verification plus. Consists of the Enhanced AVS functionality and verification of some additional fields. AAV+ is intended for merchants that deliver physical goods to a different address than the billing address. AAV+ verifies the additional fields only when the standard and Enhanced AVS tests pass first. These additional fields verified for AAV+:
 - **orderInformation.billTo.phoneNumber** (American Express Direct only)
 - **orderInformation.shipTo.address1**
 - **orderInformation.shipTo.country**
 - **orderInformation.shipTo.firstName**
 - **orderInformation.shipTo.lastName**
 - **orderInformation.shipTo.phoneNumber**
 - **orderInformation.shipTo.postalCode**

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "avsFormat": "basic"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].avsFormat

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].avsFormat

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.

common.processors.[processorName].bankNumber

6-digit agent bank number provided by acquirer.

This field is available for this processor: TSY Acquiring Solutions

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "bankNumber": "123456"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].bankNumber

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].bankNumber

productInformation.selectedProducts.
 payments.cardProcessing.
 configurationInformation.configurations.
 common.processors.[processorName].
 batchGroup

The processing batch group provided to the merchant.
 Batch groups can be specified using the following values:

- Timezone
- Merchant deadlines
- Large merchants (top 10)
- Merchants with service level agreements

This field is available for these processors: American Express Direct, Barclays Merchant ServicesChina UnionPay, FDC Nashville Global, FDMS Nashville, TSYS Acquiring Solutions, Vero, and Visa Platform Connect.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "batchGroup": "<Timezone>"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.
- <Timezone>: The timezone associated with the transaction. It is a processor-specific value.

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].batchGroup

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].batchGroup

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
common. processors.[processorName].
chainNumber

6-digit chain number provided by acquirer.

This field is available for this processor: TSYS Acquiring Solutions

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "chainNumber": "123456"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```


- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].chainNumber

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].chainNumber

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].currencies.[currency].enabled

Currencies available for processing by the specified processor.

This field is available for these processors: American Express Direct, Barclays Merchant Services, China UnionPay, FDC Nashville Global, FDMS Nashville, TSYS Acquiring Solutions, Vero, and Visa Platform Connect.

For card-not-present applications, you may enable multiple currencies. For card-present only applications, only one currency can be processed by the ready terminal.

For China UnionPay, EFTPOS, and Visa Platform Connect processors, use the actual processor name in each request.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
```

```

"cardProcessing": {
  "configurationInformation": {
    "configurations": {
      "common": {
        "processors": [
          "<processor>": {
            "currencies": [
              "<currency>": {
                "enabled": "true"
              }
            ]
          }
        ]
      }
    }
  }
}

```

- <processor>: The processor that is associated with the merchant account.
- <currency>: The currency that is supported by the merchant.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].currencies.[currency].enabled

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].currencies.[currency].enabled

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.

common.processors.[processorName]. currencies.[currency].merchantId

Merchant identifier assigned by an acquirer or a processor. This field should not be overridden by any other party.

This field is available for these processors: Barclays Merchant Services, China UnionPay, EFTPOS, Elavon Americas, FDC Nashville Global, and Visa Platform Connect.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "currencies": [
                      "<currency>": {
                        "merchantId": "testrest"
                      }
                    ]
                  }
                ]
              }
            ]
          }
        ]
      }
    ]
  }
}
```

- <processor>: The processor that is associated with the merchant account.
- <currency>: The currency that is supported by the merchant account.

The value of this field must conform to this regular expression:

```
^[0-9a-zA-Z]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 11

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].currencies.[currency].merchantId

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].currencies.[currency].merchantId

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
common.processors.[processorName].
currencies.[currency].
serviceEnablementNumber

The service enablement number (SE number).

A unique ten-digit number assigned by American Express to a merchant that accepts American Express cards that are provided by the acquiring bank. This number might be unique for each currency.

This field is available for these processors: American Express Direct, Barclays, China UnionPay, FDC Nashville Global, FDMS Nashville, TSYS Acquiring Solutions, Vero, and Visa Platform Connect.

For card-not-present applications, you may enable multiple currencies. For card-present-only applications, only one currency can be processed by the ready terminal.

For China UnionPay, EFTPOS, and Visa Platform Connect processors, use the actual processor name in each request.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "currencies": [
                      "<currency>": {
                        "serviceEnablementNumber": "1234567890"
                      }
                    ]
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```


common.processors.[processorName]. currencies.[currency].terminalId

The Terminal ID (TID) used for your payments processor. Depending on the processor and payment acceptance type, this field may also be the default Terminal ID used for card-present and virtual terminal transactions.

This field is available for these processors: FDC Nashville Global, Elavon Americas, Visa Platform Connect, and RuPay.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "currencies": [
                      "<currency>": {
                        "terminalId": ""
                      }
                    ]
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.
- <currency>: The currency that is supported by the merchant.

The value of this field must conform to this regular expression:

```
^[0-9:\-]+
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 255

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].currencies.[currency].terminalId

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].currencies.[currency].terminalId

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
common.processors.[processorName].
currencies.[currency].terminalIds

The Terminal ID (TID) used for your payments processor. Depending on the processor and payment acceptance type, this field may also be the default Terminal ID used for card-present and virtual terminal transactions.

This field is available for this processor: Barclays Merchant Services and Prisma.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "prisma": {
                    "currencies": [
                      "<currency>": {
                        "terminalIds": ""
                      }
                    ]
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

```
}
}
```

- <currency>: The currency that is supported by the merchant.

Barclays Merchant Services: The value of this field must conform to the regular expression format:

```
^[0-9:\-]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 255

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].currencies.[currency].terminalIds

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].currencies.[currency].terminalIds

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
common. processors.[processorName].
defaultPointOfSaleTerminalId

Allows the reversal of unused funds after a void transaction.

Enabling this feature allows merchants to meet the Visa mandate requiring merchants to release unused funds set aside during an authorization request.

This field is available for these processors: American Express Direct, Elavon Americas, SIX, Visa Platform Connect, and CB2A.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
```



```

"cardProcessing": {
  "configurationInformation": {
    "configurations": {
      "common": {
        "processors": [
          "<processor>": {
            "defaultPointOfSaleTerminalId": "terminal123"
          }
        ]
      }
    }
  }
}

```

- <processor>: The processor that is associated with the merchant account.

The value of this field must conform to this regular expression:

```
^[0-9:\-]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 255

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].defaultPointOfSaleTerminalId

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].defaultPointOfSaleTerminalId

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.

common.processors.[processorName].enableAutoAuthReversalAfterVoid

Allows the reversal of unused funds after a void transaction.

Enabling this feature allows merchants to meet the Visa mandate that requires merchants to release unused funds that are set aside during an authorization request.

This field is available for these processors: American Express Direct, CB2A, Elavon Americas, SIX, and Visa Platform Connect.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "enableAutoAuthReversalAfterVoid": "true"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enableAutoAuthReversalAfterVoid

Product Enablement and Configuration Service API Field:

**payments.cardProcessing.configurationInformation.configurations.common.processors.
[processorName].enableAutoAuthReversalAfterVoid**

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
common.processors.[processorName].
enableCreditAuth

Enables credit authorization which reduces refund chargebacks and prevents customers from seeing the online update for credits that are otherwise offline settlements.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "enableCreditAuth": "true"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- `<processor>`: The processor that is associated with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enableCreditAuth

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enableCreditAuth

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
common. processors.[processorName].
enableCVVResponseIndicator

This field indicates the EFTPOS merchant's choice of receiving CVV processing response in return.

This field is available for this processor: EFTPOS

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "eftpos": {
                    "enableCVVResponseIndicator": "true"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

```

    }
  }
}
}
}
}
}
}
}
}

```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enableCVVResponseIndicator

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enableCVVResponseIndicator

```

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
common.processors.[processorName].
enableDynamicCurrencyConversion

```

Enable or disable dynamic currency conversion for a merchant.

Possible Values

- true
- false

Syntax

```

{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {

```

```

"configurations": {
  "common": {
    "processors": [
      "<processor>": {
        "enableDynamicCurrencyConversion": "true"
      }
    ]
  }
}

```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configura

[processorName].enableDynamicCurrencyConversion

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.

[processorName].enableDynamicCurrencyConversion

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
common. processors.[processorName].
enableExpresspayPanTranslation

When this field is set to **true**, authorization responses from American Express expresspay transactions include the primary account number (PAN) and expiration date of the card. This field is available for this processor: American Express Direct

Possible Values

- **true**

- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<amexdirect>": {
                    "enableExpresspayPanTranslation": "true"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enableExpresspayPanTranslation

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enableExpresspayPanTranslation

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.

common.processors.[processorName].enableLevel2

When this field is set to `true`, it indicates that the merchant will send level II data for American Express cards.

This field is available for this processor: American Express Direct

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<amexdirect>": {
                    "enableLevel2": "true"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enableLevel2

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enableLevel2

productInformation.selectedProducts.
 payments.cardProcessing.
 configurationInformation.configurations.
 common.processors.[processorName].
 enableLeastCostRouting

When this field is set to `true`, it indicates that least cost routing is enabled. This field is available for these processors: China UnionPay and EFTPOS.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "enableLeastCostRouting": "true"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- `<processor>`: The processor that is associated with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enableLeastCostRouting

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enableLeastCostRouting

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
common.processors.[processorName].
enableLongTransRefNo

American Express Direct-specific merchant configuration value that determines what length of reference number will be generated by Cybersource if the merchant does not pass in a **reconciliationID**. This field can be either nine digits or a unique twelve-character reference number. It can be a combination of alpha, numeric and special characters, or binary data in hexadecimal.

This field is available for these processors: American Express Direct

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<amexdirect>": {
                    "enableLongTransRefNo": "true"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

```

    }
  }
}
}
}
}
}
}

```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enableLongTransRefNo

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enableLongTransRefNo

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
common. processors.[processorName].
enableMultiCurrencyProcessing

Indicates if multiple-currency processing is supported.

This field is available for this processor: Barclays Merchant Services

Possible Values

- `true`
- `false`

Syntax

```

{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {

```


Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "enableMultiLineItems": "true"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enableMultiLineItems

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enableMultiLineItems

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.

common.processors.[processorName].enableMultipleTransactionAdviceAddendum

When this field is set to `true`, it enables multiple transaction advice addendum fields. This field is used to display descriptive information about a transaction on a customer's American Express card statement. This field is available for this processor: American Express Direct.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<amexdirect>": {
                    "enableMultipleTransactionAdviceAddendum": "true"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enableMultipleTransactionAdviceAddendum

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enableMultipleTransactionAdviceAddendum

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
common.processors.[processorName].
enableTransactionReferenceNumber

When this field is set to `true`, it indicates that the merchant can send in the transaction reference number.

This field is available for these processors: CB2A, Chase Paymentech Solutions, China UnionPay, EFTPOS, Elavon Americas, Fiserv, FDC Nashville Global, SIX, Vero, and Visa Platform Connect

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "enableTransactionReferenceNumber": "true"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.

[processorName].enableTransactionReferenceNumber

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.

[processorName].enableTransactionReferenceNumber

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
common.processors.[processorName].
paymentTypes.[paymentType].currencies.
[currency].enabled

Indicates the currencies enabled for processing by the specified processor and payment type.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
```


paymentTypes.[paymentType]. currencies. [currency]. serviceEnablementNumber

Service enablement number (SE Number) is a unique 10-digit number assigned by American Express to a merchant that accepts American Express cards. This number may be unique for each currency depending on how the processor is set up for the merchant.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "paymentTypes": [
                      "<paymentType>": {
                        "currencies": [
                          "<currency>": {
                            "serviceEnablementNumber": "0123456789"
                          }
                        ]
                      }
                    ]
                  }
                ]
              }
            ]
          }
        ]
      }
    ]
  }
}
```

- <processor>: The processor that is associated with the merchant account.
- <paymentType>: The payment type associated with the merchant account.
- <currency>: The currency that is supported by the merchant.

The value of this field must conform to this regular expression:

```
^[0-9]+$
```

Specifications

- Data Type: String

- Data Length: 10

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].paymentTypes.[paymentType].currencies.[currency].serviceEnablementNumber

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].paymentTypes.[paymentType].currencies.[currency].serviceEnablementNumber

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
common. processors.[processorName].
paymentTypes.[paymentType]. enabled

Enables the specified payment type.

Possible Values

Possible payment type values:

American Express Direct:

- AMERICAN_EXPRESS
- JCB

Barclays HISO:

- CUP
- DINERS_CLUB
- DISCOVER
- JCB
- MAESTRO_INTERNATIONAL
- MASTERCARD
- SWITCH_SOLO
- VISA
- VISA_ELECTRON

Barclays Merchant Services:

- DINERS_CLUB
- DISCOVER
- JCB
- MAESTRO_INTERNATIONAL
- MASTERCARD
- SWITCH_SOLO
- VISA

Possible values for each payment type:

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "paymentType": [
                      "<paymentType>": {
                        "enabled": "true"
                      }
                    ]
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.
- <paymentType>: The card types that can be processed with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].paymentTypes.[paymentType].enabled

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].paymentTypes.[paymentType].enabled

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
common.processors[].paymentTypes[].
serviceEnablementNumber

The service enablement number (SE Number).

A unique ten-digit number assigned by American Express to a merchant that accepts American Express cards provided by the acquiring bank. This number may be unique for each currency.

This field is available for the following processors: American Express Direct, Barclays, China UnionPay, FDC Nashville Global, FDMS Nashville, TSYS Acquiring Solutions, Vero, Visa Platform Connect.

The following payment types can be used:

- AMERICAN_EXPRESS
- DINERS_CLUB
- DISCOVER
- JCB
- MASTERCARD
- PIN_DEBIT
- VISA

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
```

```

"processors": [
  "<processor>": {
    "paymentType": [
      "<paymentType>": {
        "serviceEnablementNumber": "1234567890"
      }
    ]
  }
]
}

```

- <processor>: The processor associated with the merchant account.
- <paymentType>: The card types that can be processed with the merchant account.

The value of this field must conform to the regular expression format:

```
^[0-9]+$
```

Specifications

- Data Type: String

Mapping Information

No corresponding fields..

productInformation.selectedProducts.
 payments.cardProcessing.
 configurationInformation.configurations.
 common.processors.[processorName].
 enablePosNetworkSwitching

When this field is set to `true`, it enables POS network switching. POS network switching or alternate routing mean that a merchant can process PIN Debit transactions without a PIN. This field is available for this processor: FDC Nashville Global.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<fdiglobal>": {
                    "enablePosNetworkSwitching": "true"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enablePosNetworkSwitching

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].enablePosNetworkSwitching

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.

common.processors.[processorName]. quasiCash

Indicates if quasi-cash transactions are enabled. A quasi-cash transaction is a cash-like transaction for the sale of items that are directly convertible to cash. Examples of quasi-cash include casino gaming chips, money orders, and wire transfers.

This field is available for these processors: Barclays Merchant Services GPX, TSYS Acquiring Solutions and Visa Platform Connect.

Possible Values

Possible values for each currency:

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "quasiCash": "true"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].quasiCash

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].quasiCash

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
common. processors.[processorName].
sendAmexLevel2Data

Indicates if the merchant will send Level II data for American Express cards.
This field is available for this processor: TSYS Acquiring Solutions.

Possible Values

Possible values for each currency:

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "vital": {
                    "sendAmexLevel2Data": "true"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

```

}
}
}

```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].sendAmexLevel2Data

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].sendAmexLevel2Data

```

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
common.processors.[processorName].
settlementCurrency

```

Indicates the merchant's settlement currency.

Use a 3-character ISO currency code.

This field is available for these processors: Streamline andTSYS Acquiring Solutions.

Syntax

```

{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "<processor>": {
                    "settlementCurrency": "USD"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}

```

```

    }
  }
}
}
}
}
}

```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].settlementCurrency

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].settlementCurrency

**productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
common.processors.[processorName].
softDescriptorType**

Text on a cardholder's statement that describes a product or service purchased by the cardholder. Descriptors are intended to help the cardholder identify the products or services purchased.

This field is available for this processor: TSYS Acquiring Solutions.

Possible Values

Possible values for each currency:

- **1: processingInformation.reconciliationID**
- **2: merchantInformation.merchantDescriptor.name**
- **3: processingInformation.reconciliationID and merchantInformation.merchantDescriptor.name**

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "vital": {
                    "softDescriptorType": "2"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].softDescriptorType

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].softDescriptorType

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
common.processors.[processorName].
storeID

4-digit number used to identify a specific merchant store location within the member systems.

This field is available for these processors: TSYS Acquiring Solutions.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "vital": {
                    "storeID": "1234"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].storeID

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].storeID

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.

common.processors.[processorName].vitalNumber

Identifier provided by TSYS Acquiring Solutions. The leading V must be replaced by a 7. For example, replace V1234567 with 71234567.

This field is available for these processors: TSYS Acquiring Solutions.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "processors": [
                  "vital": {
                    "vitalNumber": "71234567"
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].vitalNumber

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].vitalNumber

productInformation.selectedProducts.
 payments.cardProcessing.
 configurationInformation.configurations.
 common.subMerchantBusinessName

Sub-merchant's business name.

This field is available for this processor: American Express Direct.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "subMerchantBusinessName": "Submerchant Business"
              }
            }
          }
        }
      }
    }
  }
}
```

The value of this field must conform to this regular expression:

```
^[0-9a-zA-Z\-\_\,\s.]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 37

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.subMerchantBusinessName

Product Enablement and Configuration Service API Field:
payments.cardProcessing.configurationInformation.configurations.common.subMerchantBusinessName

productInformation.selectedProducts.
 payments.cardProcessing.
 configurationInformation.configurations.
 common.subMerchantId

The ID assigned to the sub-merchant.
 This field is available for these processors: American Express Direct.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "common": {
                "subMerchantId": "submerchid"
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

The value of this field must conform to this regular expression:

```
^[0-9a-zA-Z\-\_\.\s]+$
```

Specifications

- Data Type: String
- Minimum Data Length: 1
- Maximum Data Length: 20

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.subMerchantId

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.subMerchantId

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
features. cardNotPresent. processors.
[processorName].
relaxAddressVerificationSystem

Enables merchants to accept e-commerce transactions without the Address Verification System (AVS) feature.

These parameters are established by the merchant through their service provider.

This field is available for these processors: American Express Direct, Barclays HISO, CB2A, Chase Paymentech Solutions, Credit Mutuel-CIC, FDC Nashville Global, Fiserv, GPN, RuPay, SIX, Vero, and Visa Platform Connect.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
                "cardNotPresent": {
                  "processors": [
                    "<processor>": {
                      "relaxAddressVerificationSystem": "true"
                    }
                  ]
                }
              }
            }
          }
        }
      }
    }
  }
}
```

```

    }
  }
}

```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].paymentTypes.[paymentType].enable

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].paymentTypes.[paymentType].enabled

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
features.cardNotPresent.processors.
[processorName].
relaxAddressVerificationSystemAllowExpiredCard

Allows merchants to accept card-not-present and e-commerce transactions with expired cards.

This field is available for these processors: American Express Direct, Barclays HISO, CB2A, Chase Paymentech Solutions, FDC Nashville Global, GPN, RuPay, SIX, and Visa Platform Connect.

Syntax

```

{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
                "cardNotPresent": {

```

```
"processors": [  
  "<processor>": {  
    "relaxAddressVerificationSystemAllowExpiredCard": "true"  
  }  
]
```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.
[processorName].paymentTypes.[paymentType].enable**

Product Enablement and Configuration Service API Field:

**payments.cardProcessing.configurationInformation.configurations.common.processors.
[processorName].paymentTypes.[paymentType].enabled**

productInformation.selectedProducts.
payments.cardProcessing.
configurationInformation.configurations.
features.cardNotPresent.processors.
[processorName].
relaxAddressVerificationSystemAllowZipWithoutCountryCode

Enables merchants to accept e-commerce transactions without the Address Verification System (AVS) and allows transactions with just the ZIP code and country code. This field is available for these processors: American Express Direct, Barclays HISO, Chase Paymentech Solutions, FDC Nashville Global, Elavon Americas, RuPay, and Visa Platform Connect.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
                "cardNotPresent": {
                  "processors": [
                    "<processor>": {
                      "relaxAddressVerificationSystemAllowZipWithoutCountry": "true"
                    }
                  ]
                }
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].paymentTypes.[paymentType].enable

Product Enablement and Configuration Service API Field:

payments.cardProcessing.configurationInformation.configurations.common.processors.[processorName].paymentTypes.[paymentType].enabled

productInformation. selectedProducts.
payments. cardProcessing.
configurationInformation. configurations.
features. cardPresent. processors.

[processorName]. defaultPointOfSaleTerminalId

Default terminal ID used with card-present transactions.

This field is available for these processors: American Express Direct, Chase Paymentech Solutions, and Visa Platform Connect.

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "configurationInformation": {
            "configurations": {
              "features": {
                "cardPresent": {
                  "processors": [
                    "<processor>": {
                      "defaultPointOfSaleTerminalId": "terminal"
                    }
                  ]
                }
              }
            }
          }
        }
      }
    }
  }
}
```

- <processor>: The processor that is associated with the merchant account.

The field's value must conform to the following regular expression format:

```
^[0-9a-zA-Z]+$
```

Specifications

- Data Type: String
- Minimum Field Length: 1
- Maximum Field Length: 8

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.cardProcessing.configurationInformation.configurations.[processorName].paymentTypes.[paymentType].enable

Product Enablement and Configuration Service API Field:

**payments.cardProcessing.configurationInformation.configurations.common.processors.
[processorName].paymentTypes.[paymentType].enabled**

**productInformation.selectedProducts.
payments.cardProcessing.
subscriptionInformation.enabled**

Indicates whether a subscription to the payments service is enabled for card processing.

Possible Values

- `true`
- `false`

Syntax

```
{  
  "productInformation": {  
    "selectedProducts": {  
      "payments": {  
        "cardProcessing": {  
          "subscriptionInformation": {  
            "enabled": "true"  
          }  
        }  
      }  
    }  
  }  
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.payments.cardProcessing.
subscriptionInformation.enabled**

Product Enablement and Configuration Service API Field:

payments.cardProcessing.subscriptionInformation.enabled

productInformation.selectedProducts.
payments.cardProcessing.
subscriptionInformation.features.
cardNotPresent.enabled

Indicates whether card-not-present features are enabled for card processing.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "subscriptionInformation": {
            "features": {
              "cardNotPresent": {
                "enabled": "true"
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

Boarding Registration Service API Field:

**productInformation.selectedProducts.payments.cardProcessing.
subscriptionInformation.enable**

Product Enablement and Configuration Service API Field:

payments.cardProcessing.subscriptionInformation.enabled

productInformation.selectedProducts.
payments.cardProcessing.
subscriptionInformation.features.
cardPresent.enabled

Indicates whether card-present features are enabled for card processing.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "cardProcessing": {
          "subscriptionInformation": {
            "features": {
              "cardPresent": {
                "enabled": "true"
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.payments.cardProcessing.
subscriptionInformation.features.cardPresent.enable**

Product Enablement and Configuration Service API Field:

payments.cardProcessing.subscriptionInformation.features.cardPresent.enabled

productInformation.selectedProducts. payments.secureAcceptance. subscriptionInformation.enabled

This field value determines if subscription information is enabled for Secure Acceptance.

Possible Values

- true
- false

Syntax

```
{  
  "productInformation": {  
    "selectedProducts": {  
      "payments": {  
        "secureAcceptance": {  
          "subscriptionInformation": {  
            "enabled": "true"  
          }  
        }  
      }  
    }  
  }  
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.payments.secureAcceptance.
subscriptionInformation.enabled**

Product Enablement and Configuration Service API Field:

payments.secureAcceptance.subscriptionInformation.enabled

productInformation.selectedProducts. payments.secureAcceptance. subscriptionInformation.selfServiceability

This field value indicates whether the organization can enable Secure Acceptance using self service.

Possible Values

- `NOT_SELF_SERVICEABLE` (default)

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "secureAcceptance": {
          "subscriptionInformation": {
            "selfServiceability": "NOT_SELF_SERVICEABLE"
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.payments.secureAcceptance.
subscriptionInformation.selfServiceability**

Product Enablement and Configuration Service API Field:

payments.secureAcceptance.subscriptionInformation.selfServiceability

productInformation.selectedProducts.payments.tax.subscriptionInformation.enabled

This field value determines if subscription information is enabled for the Tax product.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "tax": {
          "subscriptionInformation": {
            "enabled": "true"
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.tax.subscriptionInformation.enabled

Product Enablement and Configuration Service API Field:

payments.tax.subscriptionInformation.enabled

productInformation.selectedProducts.payments.tax.subscriptionInformation.selfServiceability

This field value indicates if the organization can enable the Tax product using self service.

Possible Values

- `NOT_SELF_SERVICEABLE` (default)

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "tax": {
          "subscriptionInformation": {
            "selfServiceability": "NOT_SELF_SERVICEABLE"
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.tax.subscriptionInformation.selfServiceability

Product Enablement and Configuration Service API Field:

payments.tax.subscriptionInformation.selfServiceability

productInformation.selectedProducts.payments.unifiedCheckout.subscriptionInformation.enabled

This field value determines if subscription information is enabled for Unified Checkout payments.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "unifiedCheckout": {
          "subscriptionInformation": {
            "enabled": "true"
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.unifiedCheckout.subscriptionInformation.enabled

Product Enablement and Configuration Service API Field:

payments.unifiedCheckout.subscriptionInformation.enabled

productInformation.selectedProducts.
 payments.unifiedCheckout.
 subscriptionInformation.selfServiceability

This field value indicates whether the organization can enable Unified Checkout using self service.

Possible Values

- `NOT_SELF_SERVICEABLE` (default)

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "unifiedCheckout": {
          "subscriptionInformation": {
            "selfServiceability": "NOT_SELF_SERVICEABLE"
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.payments.unifiedCheckout.
 subscriptionInformation.selfServiceability**

Product Enablement and Configuration Service API Field:

payments.unifiedCheckout.subscriptionInformation.selfServiceability

productInformation.selectedProducts.
 payments.virtualTerminal.

configurationInformation.configurations. cardNotPresent.globalPaymentInformation. basicInformation.defaultPaymentType

Default payment type that is configured for card-not-present Virtual Terminal transactions.

Possible Values

- `CREDIT_CARD`
- `ECHECK`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "basicInformation": {
                    "defaultPaymentType": "CREDIT_CARD"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.

configurationInformation.configurations.cardNotPresent.globalPaymentInformation.basicInformation

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.basicInformation.defaultPaymentType

productInformation. selectedProducts.
 payments. virtualTerminal.
 configurationInformation. configurations.
 cardNotPresent. globalPaymentInformation.
 basicInformation. defaultTransactionType

Default transaction type that is configured for card-not-present Virtual Terminal transactions.

Possible Values

- AUTHORIZATION
- SALE

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "basicInformation": {
                    "defaultTransactionType": "AUTHORIZATION"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.payments.virtualTerminal.
configurationInformation.configurations.cardNotPresent.globalPaymentInformation.basicInformation.
defaultTransactionType**

Product Enablement and Configuration Service API Field:

**payments.virtualTerminal.configurationInformation.configurations.
cardNotPresent.globalPaymentInformation.basicInformation.defaultTransactionType**

productInformation. selectedProducts.
payments. virtualTerminal.
configurationInformation. configurations.
cardNotPresent. globalPaymentInformation.
basicInformation. displayInternet

When this field is set to `true`, card-not-present Virtual Terminal transactions that include the field `processingInformation.commerceIndicator` with the value `internet` are displayed.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "basicInformation": {
                    "displayInternet": "true"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

```

}
}
}

```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.

configurationInformation.configurations.cardNotPresent.globalPaymentInformation.basicInformation.

displayInternet

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.basicInformation.displayInternet

**productInformation. selectedProducts.
payments. virtualTerminal.
configurationInformation. configurations.
cardNotPresent. globalPaymentInformation.
basicInformation. displayMoto**

When this field is set to `true`, card-not-present Virtual Terminal transactions that include the field **processingInformation.commerceIndicator** with the value `moto` are displayed.

Possible Values

- `true`
- `false`

Syntax

```

{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {

```


Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "basicInformation": {
                    "displayRetail": "true"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.

configurationInformation.configurations.cardNotPresent.globalPaymentInformation.basicInformation.

displayRetail

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.basicInformation.displayRetail

productInformation. selectedProducts.
 payments. virtualTerminal.
 configurationInformation. configurations.
 cardNotPresent. globalPaymentInformation.

merchantDefinedDataFields. displayMerchantDefinedData1

When this field is set to `true`, the `merchantDefinedData1` field is displayed for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "merchantDefinedDataFields": {
                    "displayMerchantDefinedData1": "false"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.

configurationInformation.configurations.cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.

displayMerchantDefinedData1

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.displayMerchantDefinedData1

productInformation.selectedProducts.
payments.virtualTerminal.
configurationInformation.configurations.
cardNotPresent.globalPaymentInformation.
merchantDefinedDataFields.
displayMerchantDefinedData2

When this field is set to `true`, the `merchantDefinedData2` field is displayed for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "merchantDefinedDataFields": {
                    "displayMerchantDefinedData2": "false"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.

configurationInformation.configurations.cardNotPresent.globalPaymentInformation.merchantDefined

displayMerchantDefinedData2

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.displayMerchantDefinedData

productInformation. selectedProducts.
payments. virtualTerminal.
configurationInformation. configurations.
cardNotPresent. globalPaymentInformation.
merchantDefinedDataFields.
displayMerchantDefinedData3

When this field is set to `true`, the **merchantDefinedData3** field is displayed for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "merchantDefinedDataFields": {
                    "displayMerchantDefinedData3": "false"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

```

    }
  }
}
}
}

```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.

configurationInformation.configurations.cardNotPresent.globalPaymentInformation.merchantDefinedData3

displayMerchantDefinedData3

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.displayMerchantDefinedData4

productInformation. selectedProducts.
 payments. virtualTerminal.
 configurationInformation. configurations.
 cardNotPresent. globalPaymentInformation.
 merchantDefinedDataFields.
 displayMerchantDefinedData4

When this field is set to `true`, the `merchantDefinedData4` field is displayed for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```

{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {

```



```

"configurationInformation": {
  "configurations": {
    "cardNotPresent": {
      "globalPaymentInformation": {
        "merchantDefinedDataFields": {
          "displayMerchantDefinedData4": "false"
        }
      }
    }
  }
}

```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.

configurationInformation.configurations.cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.displayMerchantDefinedData4

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.displayMerchantDefinedData4

productInformation. selectedProducts.
 payments. virtualTerminal.
 configurationInformation. configurations.
 cardNotPresent. globalPaymentInformation.
 merchantDefinedDataFields.
 displayMerchantDefinedData5

When this field is set to `true`, the **merchantDefinedData5** field is displayed for card-not-present Virtual Terminal transactions.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "merchantDefinedDataFields": {
                    "displayMerchantDefinedData5": "false"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.

configurationInformation.configurations.cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.displayMerchantDefinedData5

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.displayMerchantDefinedData5

productInformation. selectedProducts.
payments. virtualTerminal.
configurationInformation. configurations.

cardNotPresent.globalPaymentInformation. merchantDefinedDataFields. merchantDefinedData1DisplayOnReceipt

When this field is set to `true`, the `merchantDefinedData1` field is displayed on the receipt for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "merchantDefinedDataFields": {
                    "merchantDefinedData1DisplayOnReceipt": "false"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.payments.virtualTerminal.
configurationInformation.configurations.cardNotPresent.globalPaymentInformation.merchantDefine
merchantDefinedData1DisplayOnReceipt**

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.merchantDefinedData1Display

productInformation.selectedProducts.

payments.virtualTerminal.

configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.

merchantDefinedDataFields.

merchantDefinedData2DisplayOnReceipt

When this field is set to **true**, the **merchantDefinedData2** field is displayed on the receipt for card-not-present Virtual Terminal transactions.

Possible Values

- **true**
- **false**

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "merchantDefinedDataFields": {
                    "merchantDefinedData2DisplayOnReceipt": "false"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurations.cardNotPresent.globalPaymentInformation.merchantDefinedData2DisplayOnReceipt

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.merchantDefinedData2DisplayOnReceipt

productInformation. selectedProducts.
payments. virtualTerminal.
configurationInformation. configurations.
cardNotPresent. globalPaymentInformation.
merchantDefinedDataFields.
merchantDefinedData3DisplayOnReceipt

When this field is set to `true`, the **merchantDefinedData3** field is displayed on the receipt for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "merchantDefinedDataFields": {
                    "merchantDefinedData3DisplayOnReceipt": "false"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```


Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "merchantDefinedDataFields": {
                    "merchantDefinedData4DisplayOnReceipt": "false"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.

configurationInformation.configurations.cardNotPresent.globalPaymentInformation.merchantDefine

merchantDefinedData4DisplayOnReceipt

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.merchantDefinedData4Displ

productInformation. selectedProducts.
 payments. virtualTerminal.
 configurationInformation. configurations.
 cardNotPresent. globalPaymentInformation.

merchantDefinedDataFields. merchantDefinedData5DisplayOnReceipt

When this field is set to `true`, the `merchantDefinedData5` field is displayed on the receipt for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "merchantDefinedDataFields": {
                    "merchantDefinedData5DisplayOnReceipt": "false"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.

configurationInformation.configurations.cardNotPresent.globalPaymentInformation.merchantDefined

merchantDefinedData5DisplayOnReceipt

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.merchantDefinedData5Displ

productInformation.selectedProducts.
 payments.virtualTerminal.
 configurationInformation.configurations.
 cardNotPresent.globalPaymentInformation.
 merchantDefinedDataFields.
 requireMerchantDefinedData1

When this field is set to `true`, the `merchantDefinedData1` field is required for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "merchantDefinedDataFields": {
                    "requireMerchantDefinedData1": "false"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurations.cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.requireMerchantDefinedData1

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.requireMerchantDefinedData2

productInformation. selectedProducts.
payments. virtualTerminal.
configurationInformation. configurations.
cardNotPresent. globalPaymentInformation.
merchantDefinedDataFields.
requireMerchantDefinedData2

When this field is set to `true`, the `merchantDefinedData2` field is required for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "merchantDefinedDataFields": {
                    "requireMerchantDefinedData2": "false"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

```

    }
  }
}
}
}

```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.

configurationInformation.configurations.cardNotPresent.globalPaymentInformation.merchantDefinedData2

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.requireMerchantDefinedData3

```

productInformation. selectedProducts.
payments. virtualTerminal.
configurationInformation. configurations.
cardNotPresent. globalPaymentInformation.
merchantDefinedDataFields.
requireMerchantDefinedData3

```

When this field is set to `true` the **merchantDefinedData3** field is required for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```

{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {

```

```

"configurationInformation": {
  "configurations": {
    "cardNotPresent": {
      "globalPaymentInformation": {
        "merchantDefinedDataFields": {
          "requireMerchantDefinedData3": "false"
        }
      }
    }
  }
}

```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.

configurationInformation.configurations.cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.requireMerchantDefinedData3

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.requireMerchantDefinedData4

productInformation. selectedProducts.
 payments. virtualTerminal.
 configurationInformation. configurations.
 cardNotPresent. globalPaymentInformation.
 merchantDefinedDataFields.
 requireMerchantDefinedData4

When this field is set to **true** the **merchantDefinedData4** field is required for card-not-present Virtual Terminal transactions.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "merchantDefinedDataFields": {
                    "requireMerchantDefinedData4": "false"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.

configurationInformation.configurations.cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.requireMerchantDefinedData4

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.requireMerchantDefinedData4

productInformation. selectedProducts.
payments. virtualTerminal.
configurationInformation. configurations.

cardNotPresent.globalPaymentInformation. merchantDefinedDataFields. requireMerchantDefinedData5

When this field is set to `true`, the `merchantDefinedData5` field is required for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "merchantDefinedDataFields": {
                    "requireMerchantDefinedData5": "false"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.payments.virtualTerminal.
configurationInformation.configurations.cardNotPresent.globalPaymentInformation.merchantDefine
requireMerchantDefinedData5**

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.merchantDefinedDataFields.requireMerchantDefinedDat

productInformation.selectedProducts.

payments.virtualTerminal.

configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.

paymentInformation.acceptedCardTypes

Array of accepted card types that are configured for card-not-present Virtual Terminal transactions.

Possible Values

- AMEX
- CARTASI
- CARTE_BLANCHE
- CARTE_SBANCAIRES
- DANKORT
- DELTA
- DINERS_CLUB
- DISCOVER
- ELO
- ENROUTE
- GE_MONEY_UK_CARD
- HIPER_CARD
- JAL
- JCB
- LASER
- MAESTRO_INTERNATIONAL
- MASTER_CARD
- SWITCH_SOLO
- VISA
- VISA_ELECTRON

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "paymentInformation": {
                    "acceptedCardTypes": "VISA"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.

configurationInformation.configurations.cardNotPresent.globalPaymentInformation.paymentInforma

acceptedCardTypes

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.paymentInformation.acceptedCardTypes

productInformation. selectedProducts.
payments. virtualTerminal.
configurationInformation. configurations.

cardNotPresent.globalPaymentInformation.paymentInformation.displayBillPayment

When this field is set to `true`, the bill payment is displayed for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "paymentInformation": {
                    "displayBillPayment": "true"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurations.cardNotPresent.globalPaymentInformation.paymentInformation.displayBillPayment

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.cardNotPresent.globalPaymentInformation.paymentInformation.displayBillPayment

productInformation.selectedProducts.
 payments.virtualTerminal.
 configurationInformation.configurations.
 cardNotPresent.globalPaymentInformation.
 paymentInformation.displayCreditCards

When this field is set to `true`, credit cards are displayed for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "paymentInformation": {
                    "displayCreditCards": "true"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.payments.virtualTerminal.
configurationInformation.configurations.cardNotPresent.globalPaymentInformation.paymentInforma
displayCreditCards**

Product Enablement and Configuration Service API Field:

**payments.virtualTerminal.configurationInformation.configurations.
cardNotPresent.globalPaymentInformation.paymentInformation.displayCreditCards**

productInformation. selectedProducts.
payments. virtualTerminal.
configurationInformation. configurations.
cardNotPresent. globalPaymentInformation.
paymentInformation.
displayCardVerificationValue

Array of card types to display card verification values (CVV) for card-not-present Virtual Terminal transactions.

Possible Values

- AMEX
- CARTASI
- CARTE_BLANCHE
- CARTE_SBANCAIRES
- DANKORT
- DELTA
- DINERS_CLUB
- DISCOVER
- ELO
- ENROUTE
- GE_MONEY_UK_CARD
- HIPER_CARD
- JAL
- JCB
- LASER
- MAESTRO_INTERNATIONAL

- MASTER_CARD
- SWITCH_SOLO
- VISA
- VISA_ELECTRON

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "paymentInformation": {
                    "displayCardVerificationValue": "VISA"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurations.cardNotPresent.globalPaymentInformation.paymentInformation.displayCardVerificationValue

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.cardNotPresent.globalPaymentInformation.paymentInformation.displayCardVerificationValue

productInformation. selectedProducts.
payments. virtualTerminal.
configurationInformation. configurations.

cardNotPresent.globalPaymentInformation.paymentInformation.displayDebtIndicator

When this field is set to `true`, the debt indicator is displayed for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "paymentInformation": {
                    "displayDebtIndicator": "true"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurations.cardNotPresent.globalPaymentInformation.paymentInformation.displayDebtIndicator

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.cardNotPresent.globalPaymentInformation.paymentInformation.displayDebtIndicator

productInformation.selectedProducts.
payments.virtualTerminal.
configurationInformation.configurations.
cardNotPresent.globalPaymentInformation.
paymentInformation.displayEchecks

When this field is set to `true`, echecks are displayed for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "paymentInformation": {
                    "displayEchecks": "true"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.payments.virtualTerminal.
configurationInformation.configurations.cardNotPresent.globalPaymentInformation.paymentInforma
displayEchecks**

Product Enablement and Configuration Service API Field:

**payments.virtualTerminal.configurationInformation.configurations.
cardNotPresent.globalPaymentInformation.paymentInformation.displayEchecks**

productInformation. selectedProducts.
payments. virtualTerminal.
configurationInformation. configurations.
cardNotPresent. globalPaymentInformation.
paymentInformation. displayFirstName

When this field is set to `true`, the first name is displayed for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "paymentInformation": {
                    "displayFirstName": "true"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

```

}
}
}

```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.

configurationInformation.configurations.cardNotPresent.globalPaymentInformation.paymentInforma

displayFirstName

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.paymentInformation.displayFirstName

productInformation. selectedProducts.
payments. virtualTerminal.
configurationInformation. configurations.
cardNotPresent. globalPaymentInformation.
paymentInformation.
displayIgnoreECheckAvsCheckbox

When this field is set to `true`, the ignore echeck AVS checkbox is displayed for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```

{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {

```



```
"cardNotPresent": {
  "globalPaymentInformation": {
    "paymentInformation": {
      "displayIgnoreECheckAvsCheckbox": "true"
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.payments.virtualTerminal.
configurationInformation.configurations.cardNotPresent.globalPaymentInformation.paymentInforma
displayIgnoreECheckAvsCheckbox**

Product Enablement and Configuration Service API Field:

**payments.virtualTerminal.configurationInformation.configurations.
cardNotPresent.globalPaymentInformation.paymentInformation.displayIgnoreECheckAvsCheckbox**

**productInformation. selectedProducts.
payments. virtualTerminal.
configurationInformation. configurations.
cardNotPresent. globalPaymentInformation.
paymentInformation. displayLastName**

When this field is set to `true`, the last name is displayed for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "paymentInformation": {
                    "displayLastName": "true"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.

configurationInformation.configurations.cardNotPresent.globalPaymentInformation.paymentInforma

displayLastName

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.paymentInformation.displayLastName

productInformation. selectedProducts.
payments. virtualTerminal.
configurationInformation. configurations.
cardNotPresent. globalPaymentInformation.
paymentInformation. enableEchecks

Determines if echecks are enabled for card-not-present Virtual Terminal transactions.

Possible Values

- true
- false

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "paymentInformation": {
                    "enableEchecks": "true"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.

configurationInformation.configurations.cardNotPresent.globalPaymentInformation.paymentInforma

enableEchecks

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.

cardNotPresent.globalPaymentInformation.paymentInformation.enableEchecks

productInformation. selectedProducts.
payments. virtualTerminal.
configurationInformation. configurations.

cardNotPresent.globalPaymentInformation.paymentInformation.firstNameRequired

When this field is set to `true`, the first name is required for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "paymentInformation": {
                    "firstNameRequired": "true"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurations.cardNotPresent.globalPaymentInformation.paymentInformation.firstNameRequired

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.cardNotPresent.globalPaymentInformation.paymentInformation.firstNameRequired

productInformation.selectedProducts.
payments.virtualTerminal.
configurationInformation.configurations.
cardNotPresent.globalPaymentInformation.
paymentInformation.lastNameRequired

When this field is set to `true`, the last name is required for card-not-present Virtual Terminal transactions.

Possible Values

- `true`
- `false`

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "paymentInformation": {
                    "lastNameRequired": "true"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Boolean

Mapping Information

Boarding Registration Service API Field:

**productInformation.selectedProducts.payments.virtualTerminal.
configurationInformation.configurations.cardNotPresent.globalPaymentInformation.paymentInforma
lastNameRequired**

Product Enablement and Configuration Service API Field:

**payments.virtualTerminal.configurationInformation.configurations.
cardNotPresent.globalPaymentInformation.paymentInformation.lastNameRequired**

productInformation. selectedProducts.
payments. virtualTerminal.
configurationInformation. configurations.
cardNotPresent. globalPaymentInformation.
paymentInformation.
requireCardVerificationValue

Array of card types that require card verification values (CVV) for card-not-present Virtual Terminal transactions.

Possible Values

- AMEX
- CARTASI
- CARTE_BLANCHE
- CARTE_SBANCAIRES
- DANKORT
- DELTA
- DINERS_CLUB
- DISCOVER
- ELO
- ENROUTE
- GE_MONEY_UK_CARD
- HIPER_CARD
- JAL
- JCB
- LASER
- MAESTRO_INTERNATIONAL

- MASTER_CARD
- SWITCH_SOLO
- VISA
- VISA_ELECTRON

Syntax

```
{
  "productInformation": {
    "selectedProducts": {
      "payments": {
        "virtualTerminal": {
          "configurationInformation": {
            "configurations": {
              "cardNotPresent": {
                "globalPaymentInformation": {
                  "paymentInformation": {
                    "requireCardVerificationValue": "VISA"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

Boarding Registration Service API Field:

productInformation.selectedProducts.payments.virtualTerminal.configurationInformation.configurations.cardNotPresent.globalPaymentInformation.paymentInformation.requireCardVerificationValue

Product Enablement and Configuration Service API Field:

payments.virtualTerminal.configurationInformation.configurations.cardNotPresent.globalPaymentInformation.paymentInformation.requireCardVerificationValue

promotionInformation

The following fields provide promotion information.

promotionInformation.discountApplied

Amount of the promotional discount applied to the transaction.
This field is available only on the Cielo processor.

Specifications

- Data Type: Numeric
- Data Length: 12

Mapping Information

- REST API Field: **promotionInformation.discountApplied**
- SCMP API Field: **promotion_discount_applied**
- Simple Order API Field: **promotion_discountApplied**

recipientInformation

The following fields provide recipient information.

recipientInformation.accountId

Identifier for the recipient's account.

Set the value for this field to the first six digits and last four digits of the recipient's account number.

This field is a pass-through, which means that the value is not verified or modified in any way before it is sent to the processor. If the field is not required for the transaction, it is not forwarded to the processor.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **recipientInformation.accountId**
- SCMP API Field: **recipient_account_id**
- Simple Order API Field: **recipient_accountID**

recipientInformation.address1

The street address of the recipient.

This field is available for the FDC Compass and Visa Platform Connect processors.

Visa Platform Connect

The value for this field corresponds to this data in the TC 33 capture file:

- Record: CP09 TCR5
- Position: 5-103
- Field: Account Owner Address Line 1

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length: 50

Mapping Information

- REST API Field: **recipientInformation.address1**
- SCMP API Field: **recipient_address**
- Simple Order API Field: **recipient_address**

recipientInformation.administrativeArea

State or province of the recipient.

This field is available only on the FDC Compass processor.

See [State, Province, and Territory Codes for the United States and Canada](#).

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **recipientInformation.administrativeArea**
- SCMP API Field: **recipient_state**
- Simple Order API Field: **recipient_state**

recipientInformation. country

The country associated with the address of the recipient.

See [ISO Standard Country Codes](#).

This field is available only on the FDC Compass and Visa Platform Connect processors.

Visa Platform Connect

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP09 TCR5
- Position: 132-134
- Field: Account Owner Country Code

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **recipientInformation.country**
- SCMP API Field: **recipient_country**
- Simple Order API Field: **recipient_country**

recipientInformation. dateOfBirth

Recipient's date of birth.

This field is a pass-through, which means that it is verified that the value is eight numeric characters but otherwise the value is not verified or modified in any way before it is sent to the processor. If the field is not required for the transaction, it is not forwarded to the processor.

Payouts using FDC Compass

Before sending this value to the processor, Cybersource reformats it to the FDC Compass format: MMDDyyyy.

Specifications

- Data Type: String
- Data Length: 8
- Format: yyyyMMDD

Mapping Information

- REST API Field: **recipientInformation.dateOfBirth**
- SCMP API Field: **recipient_date_of_birth**
- Simple Order API Field: **recipient_dateOfBirth**

recipientInformation.firstName

First name of the recipient.

The value for this field corresponds to this data in the TC 33 capture file:

- Record: CP09 TCR4
- Position: 5-39
- Field: Account Owner Name-Given

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

This field is available only on the Barclays and Visa Platform Connect processors.

Barclays

When you process a Mastercard Payment of Winnings (indicated when you set the `processingInformation.refundOptions.reason` field to `pow`), the value in the `orderInformation.billTo.firstName` field is used by default as the first name of the Mastercard Payment of Winnings credit recipient. You can use this field to override the default setting.

Specifications

- Data Type: String
- Data Length: 35

Mapping Information

- REST API Field: **recipientInformation.firstName**
- SCMP API Field: **recipient_firstname**

- Simple Order API Field: **recipient_firstName**

recipientInformation.lastName

Recipient's last name.

This field is a pass-through, which means that the value is not verified or modified in any way before it is sent to the processor. If the field is not required for the transaction, it is not forwarded to the processor.

The value for this field corresponds to this data in the TC 33 capture file:

- Record: CP09 TCR4
- Position: 5-39
- Field: Account Owner Last Name

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

This field is available only on the Barclays and Visa Platform Connect processors.

Barclays

When you process a Mastercard Payment of Winnings (indicated when you set `When you process a Mastercard Payment of Winnings` (indicated when you set the `processingInformation.refundOptions.reason` field to `pow`), the value in the `orderInformation.billTo.lastName` field is used by default as the last name of the Mastercard Payment of Winnings credit recipient. You can use this field to override the default setting.

Specifications

- Data Type: String
- Data Length
 - For UK processors: 6
 - For other processors: 35

Mapping Information

- REST API Field: **recipientInformation.lastName**
- SCMP API Field: **recipient_lastname**
- Simple Order API Field: **recipient_lastName**

recipientInformation.locality

The city of the recipient.

This field is available only on the FDC Compass and Visa Platform Connect processors.

Visa Platform Connect

The value for this field corresponds to this data in the TC 33 capture file:

- Record: CP09 TCR5
- Position: 104-128
- Field: Account Owner City Name

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length: 25

Mapping Information

- REST API Field: **recipientInformation.locality**
- SCMP API Field: **recipient_city**
- Simple Order API Field: **recipient_city**

recipientInformation.middleInitial

Middle initial of the recipient.

This field is available only on the FDC Compass processor.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **recipientInformation.middleInitial**
- SCMP API Field: **recipient_middleinitial**
- Simple Order API Field: **recipient_middleInitial**

recipientInformation. middleName

Middle name of the recipient.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP09 TCR4
- Position: 40-74
- Field: Account Owner Middle Name

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

This field is available only on the Visa Platform Connect processor.

Specifications

- Data Type: String
- Data Length: 35

Mapping Information

- REST API Field: **recipientInformation.middleName**
- SCMP API Field: **recipient_middlename**
- Simple Order API Field: **recipient_middleName**

recipientInformation. phoneNumber

Phone number of the recipient.

This field is available only on the FDC Compass processor.

Specifications

- Data Type: String with numbers only
- Data Length: 20

Mapping Information

- REST API Field: **recipientInformation.phoneNumber**
- SCMP API Field: **recipient_phone_number**
- Simple Order API Field: **recipient_phoneNumber**

recipientInformation.postalCode

Partial postal code for the recipient's address.

Example: If the postal code is NN5 7SG, the value for this field should be the first part of the postal code: **NN5**.

This field is a pass-through, which means that the value is not verified or modified in any way before it is sent to the processor. If the field is not required for the transaction, it is not forwarded to the processor.

This field is available only on the FDC Compass and Visa Platform Connect processors.

Visa Platform Connect

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP09 TCR5
- Position: 129-131
- Field: Account Owner Subdivision Code Major

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **recipientInformation.postalCode**
- SCMP API Field: **recipient_postal_code**
- Simple Order API Field: **recipient_postalCode**

reconciliationID

Reference number for the transaction.
You can use this value to reconcile Cybersource reports with processor reports.
This value is not returned for all processors.

Syntax

This syntax is used with this field:

```
{  
  "reconciliationId": [ReferenceNumber]  
}
```

Specifications

- Data Type: String
- Data Length:
 - FDC Nashville Global: 8
 - Other processors: 60

Mapping Information

- REST API Field: **reconciliationID**
- SCMP API Fields:
 - **ap_auth_trans_ref_no**
 - **ap_auth_reversal_trans_ref_no**
 - **ap_capture_trans_ref_no**
 - **ap_check_status_trans_ref_no**
 - **ap_refund_trans_ref_no**
 - **ap_sales_trans_ref_no**
 - **auth_reversal_trans_ref_no**
 - **auth_trans_ref_no**

- **bill_trans_ref_no**
- **credit_trans_ref_no**
- **dcc_reference_number**
- **ecp_credit_ref_no**
- **incremental_auth_trans_ref_no**
- **oct_trans_ref_no**
- **pin_debit_credit_trans_ref_no**
- **pin_debit_purchase_trans_ref_no**
- **pin_debit_reversal_trans_ref_no**
- Simple Order API Fields:
 - **apAuthReply_reconciliationID**
 - **apAuthReversalReply_reconciliationID**
 - **apCaptureReply_reconciliationID**
 - **apCheckStatusReply_reconciliationID**
 - **apRefundReply_reconciliationID**
 - **apSaleReply_reconciliationID**
 - **ccAuthReply_reconciliationID**
 - **ccAuthReversalReply_reconciliationID**
 - **ccCaptureReply_reconciliationID**
 - **ccCaptureService_reconciliationID**
 - **ccCreditReply_reconciliationID**
 - **ccIncrementalAuthReply_reconciliationID**
 - **dcc_referenceNumber**
 - **ecCreditReply_reconciliationID**
 - **octReply_reconciliationID**
 - **pinDebitCreditReply_reconciliationID**
 - **pinDebitPurchaseReply_reconciliationID**
 - **pinDebitReversalReply_reconciliationID**

recurringPaymentInformation

The following fields provide recurring payment information.

recurringPaymentInformation.amountType

Indicates whether the recurring payment amount agreed to by the cardholder is a fixed amount or variable amount.

Required for all recurring transactions from Saudi Arabia merchants. Cybersource forwards this value to Saudi Payment when received from the merchant.

This field is required for recurring payments using cards issued in India.

This field is available only for Mastercard on the Visa Platform Connect processor.

Possible values:

- **0**: Fixed amount recurring payment.
- **1**: Recurring payment with maximum amount.

India-specific possible amounts:

- **1**: Recurring payment with fixed amount.
- **2**: Recurring payment with maximum amount.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **recurringPaymentInformation.amountType**
- SCMP API Field: **recurring_amount_type**
- Simple Order API Field: **recurring_amountType**

recurringPaymentInformation.endDate

The date after which no further recurring authorizations should be performed.
Format: yyyyMMDD.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **recurringPaymentInformation.endDate**
- SCMP API Field: **pa_recurring_end_date**
- Simple Order API Field: **payerAuthEnrollService_recurringEndDate**

recurringPaymentInformation.frequency

Integer value indicating the minimum number of days between recurring authorizations. A frequency of monthly is indicated by the value 28. Multiple of 28 days will be used to indicate months.

Example: 6 months = 168

Example values accepted (31 days):

- 31
- 031
- 0031

Specifications

- Data Type: Integer
- Data Length: 4

Mapping Information

- REST API Field: **recurringPaymentInformation.frequency**
- SCMP API Field: **pa_recurring_frequency**
- Simple Order API Field: **payerAuthEnrollService_recurringFrequency**

recurringPaymentInformation. maximumAmount

Maximum amount cardholder has agreed to for a recurring payment. This field is required for recurring payments using cards issued in India. This field is available only for Mastercard transactions on the Visa Platform Connect processor.

Specifications

- Data Type: String
- Data Length: 12

Mapping Information

- REST API Field: **recurringPaymentInformation.maximumAmount**
- SCMP API Field: **auth_recurring_maximum_amount**
- Simple Order API Field: **recurring_maximumAmount**

recurringPaymentInformation. numberOfPayments

Total number of payments for the duration of the recurring subscription. This field is required for recurring payments using cards issued in India. This field is available only for Mastercard transactions on the Visa Platform Connect processor. Possible values range from **01** to **99**.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **recurringPaymentInformation.numberOfPayments**
- SCMP API Fields:
 - **pa_installment_total_count**
 - **recurring_number_of_payments**
- Simple Order API Fields:

- **payerAuthEnrollService_installmentTotalCount**
- **recurring_numberOfPayments**

recurringPaymentInformation. occurrence

Indicates how often a recurring payment occurs.

This field is required for recurring payments using cards issued in India.

This field is available only for Mastercard transactions on the Visa Platform Connect processor.

Possible values:

- **01**: Daily
- **02**: Bi-weekly
- **03**: Weekly
- **04**: 10 Days
- **05**: Every 2 weeks
- **06**: Monthly
- **07**: 2 months
- **08**: 3 months
- **09**: Quarterly
- **10**: Half-yearly
- **11**: Annually
- **12**: Unscheduled

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **recurringPaymentInformation.occurrence**
- SCMP API Field: **recurring_occurrence**
- Simple Order API Field: **recurring_occurrence**

recurringPaymentInformation. originalPurchaseDate

Date of original purchase. Required for recurring transactions.

If this field is empty, the current date is used.

Specifications

- Data Type: String
- Data Length: 17

Mapping Information

- REST API Field: **recurringPaymentInformation.originalPurchaseDate**
- SCMP API Field: **pa_recurring_original_purchase_date**
- Simple Order API Field: **payerAuthEnrollService_recurringOriginalPurchaseDate**

recurringPaymentInformation. referenceNumber

Unique reference number for the recurring payment transaction.
This field is required for recurring payments using cards issued in India.
This field is available only for Mastercard transactions on the Visa Platform Connect processor.

Specifications

- Data Type: String
- Data Length: 35

Mapping Information

- REST API Field: **recurringPaymentInformation.referenceNumber**
- SCMP API Field: **recurring_reference_number**
- Simple Order API Field: **recurring_referenceNumber**

recurringPaymentInformation. type

Indicates the type of recurring payment.
This field is required for recurring payments using cards issued in India.
Possible values:

- **1**: Registration or first transaction
- **2**: Subsequent transaction
- **3**: Modification
- **4**: Cancellation

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **recurringPaymentInformation.type**
- SCMP API Field: **recurring_type**
- Simple Order API Field: **recurring_type**

recurringPaymentInformation. validationIndicator

Contains a value that indicates whether a recurring payment transaction has been validated offline during registration.

This field is required for recurring payments using cards issued in India.

This field is available only for Mastercard transactions on the Visa Platform Connect processor.

Possible values:

- **0**: Not validated.
- **1**: Validated.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **recurringPaymentInformation.validationIndicator**
- SCMP API Field: **recurring_validation_indicator**
- Simple Order API Field: **recurring_validationIndicator**

refundAmountDetails

The following fields provide refund amount information.

refundAmountDetails. currency

Currency used in the transaction.

Use a three-character ISO currency code. For a list of ISO currency codes, see [ISO Standard Currency Codes](#).

Authorization Reversal or Capture Services	Use the same currency that was used for the authorization.
PIN Debit Reversal Service	Use the same currency that was used for the PIN debit purchase or PIN debit credit that you are reversing.
Dynamic Currency Conversion (DCC) with a Third-Party Provider	Use the customer's billing currency.
Visa Platform Connect	For Mastercard installment payments in Peru, the value for this field corresponds to the following data in the TC 33 capture file: <ul style="list-style-type: none">• Record: CP01 TCR5• Position: 108-110• Field: Financing Currency

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Fields:
 - **orderInformation.amountDetails.currency**
 - **creditAmountDetails.currency**
 - **refundAmountDetails.currency**
 - **reversalAmountDetails.currency**
- SCMP API Field: **currency**
- Simple Order API Field: **purchaseTotals_currency**

refundAmountDetails.refundAmount

Amount refunded to the cardholder.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Fields:
 - **creditAmountDetails.creditAmount**
 - **refundAmountDetails.refundAmount**
- SCMP API Field: **credit_credit_amount**
- Simple Order API Field: **ccCreditReply_amount**

registrationInformation

The following fields provide registration information.

registrationInformation. boardingFlow

Determines the boarding flow for this registration.

Cybersource recommends setting this field to **ENTERPRISE** in order to enforce node-by-node boarding. If the field is not set, the field is set to the default value, which corresponds to the value included in the boarding package.

To add a new product or configure a product that has failed, use the **ADDPRODUCT** workflow.

Possible Values

- **ADDPRODUCT**
- **ENTERPRISE**
- **SMB**

Syntax

```
{
  "registrationInformation": {
    "boardingFlow": [
      "ENTERPRISE"
    ]
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

No corresponding fields.

registrationInformation. boardingPackageId

Boarding package identifier.

Syntax

```
{
  "registrationInformation": {
    "boardingPackageId": "1004001"
  }
}
```

Specifications

- Data Type: String
- Maximum Length: 60

Mapping Information

No corresponding fields.

registrationInformation. mode

Status of the boarding registration.

Possible Values

- **COMPLETE** (default)
- **PARTIAL**

Syntax

```
{
  "registrationInformation": {
    "mode": "COMPLETE"
  }
}
```

Specifications

- Data Type: Enum

Mapping Information

No corresponding fields.

registrationInformation. salesRepId

Sales representative identifier for the boarding registration.

Syntax

```
{  
  "registrationInformation": {  
    "salesRepId": "salesrep123"  
  }  
}
```

Specifications

- Data Type: String
- Maximum Length: 60

Mapping Information

No corresponding fields.

replacementReason

Reason for replacement of the terminal.

The reason is recorded only if the **statusChangeReason** field is set to **Replaced**.

Valid Values:

- Chip Read Error
- Compromised
- Incorrect Key Injection
- Incorrect Password
- Power Issue
- Suspected Tampering
- Tampered
- Terminal Error
- Other

Specifications

- Data Type: Enum of string
- Data Length: Pre-defined values

Mapping Information

- REST API Field: **replacementReason**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

replacementSerialNumber

The new serial number for the terminal that replaces the current one.
The reason is recorded only if the **statusChangeReason** field is set to **Replaced**.

Specifications

- Data Type: String
- Data Length: 64

Mapping Information

- REST API Field: **replacementSerialNumber**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

reversalAmountDetails

The following fields provide reversal amount details.

reversalAmountDetails.currency

Currency used in the transaction.

Use a three-character ISO currency code. For a list of ISO currency codes, see [ISO Standard Currency Codes](#).

Authorization Reversal or Capture Services	Use the same currency that was used for the authorization.
PIN Debit Reversal Service	Use the same currency that was used for the PIN debit purchase or PIN debit credit that you are reversing.
Dynamic Currency Conversion (DCC) with a Third-Party Provider	Use the customer's billing currency.
Visa Platform Connect	For Mastercard installment payments in Peru, the value for this field corresponds to the following data in the TC 33 capture file: <ul style="list-style-type: none">• Record: CP01 TCR5• Position: 108-110• Field: Financing Currency

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Fields:
 - **orderInformation.amountDetails.currency**
 - **creditAmountDetails.currency**
 - **refundAmountDetails.currency**
 - **reversalAmountDetails.currency**
- SCMP API Field: **currency**
- Simple Order API Field: **purchaseTotals_currency**

reversalAmountDetails. originalTransactionAmount

Amount of the original transaction.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Fields:
 - **reversalAmountDetails.originalTransactionAmount**
 - **voidAmountDetails.originalTransactionAmount**
- SCMP API Field: **original_transaction_amount**
- Simple Order API Field: **originalTransaction_amount**

reversalAmountDetails. reversedAmount

Amount that was reversed.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **reversalAmountDetails.reversedAmount**
- SCMP API Field: **auth_reversal_amount**

- Simple Order API Field: **ccAuthReversalReply_amount**

reversalInformation

The following fields provide reversal information.

reversalInformation.amountDetails.currency

Currency used in the transaction.

Use a three-character ISO currency code. For a list of ISO currency codes, see [ISO Currency Codes](#).

For authorization reversal or capture services, you must use the same currency that was used for the authorization.

For the PIN debit reversal service, you must use the same currency that was used for the PIN debit purchase or PIN debit credit that you are reversing.

When using Dynamic Currency Conversion (DCC) with a Third-Party Provider, use the customer's billing currency.

Visa Platform Connect

For Mastercard installment payments in Peru, the value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP01 TCR5
- Position: 108-110
- Field: Financing Currency

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Fields:
 - **orderInformation.amountDetails.currency**

- **creditAmountDetails.currency**
- **refundAmountDetails.currency**
- **reversalAmountDetails.currency**
- **reversalInformation.amountDetails.currency**
- SCMP API Fields:
 - **auth_request_currency**
 - **currency**
 - **pin_debit_purchase_request_currency**
- Simple Order API Fields:
 - **ccAuthReply_requestCurrency**
 - **pinDebitPurchaseReply_requestCurrency**
 - **purchaseTotals_currency**

reversalInformation. amountDetails.totalAmount

Grand total for the order.

If your request includes line items, do not include this field in your request.

This value cannot be negative. You can include a decimal point (.), but you cannot include any other special characters. The amount is truncated to the correct number of decimal places.



Important

Some processors have specific requirements and limitations, such as maximum amounts and maximum field lengths.

Dynamic Currency Conversions

When this field is used in a request with Dynamic Currency Conversion, this field value must be denominated in the customer's billing currency.

Original Credit Transactions (OCT)

The amount must be less than or equal to 50,000 USD. Amount limits differ depending on limitations imposed by your acquirer in addition to local laws and regulations. Contact your acquirer for more information.

PIN Debit Transactions

If the transaction includes a cash-back amount, that amount must be included in this total amount. If the transaction includes a surcharge amount, that amount must be included in this total amount.

Zero Amount Authorizations

If your processor supports zero amount authorizations, you can set this field to **0** for the authorization to verify whether the card is lost or stolen.

Visa Platform Connect

The value for this field corresponds to the following data in the TC 33 capture file:

- OCT Account Type: CP01 TCRO Position 48-51
- OCT Amount Sign: CP01 TCRO Position 52

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length:
 - Comercio Latino: 19
 - Other processors: 15

Mapping Information

- REST API Fields:
 - **orderInformation.amountDetails.totalAmount**
 - **reversalInformation.amountDetails.totalAmount**
- SCMP API Field: **grand_total_amount**
- Simple Order API Field: **purchaseTotals_grandTotalAmount**

Processor Field Names

The following list provides the Level II/Level III processor field name for each processor that supports Level II or Level III data.

- Chase Paymentech Solutions: Does not apply
- FDC Compass: Does not apply
- FDC Nashville Global: Does not apply
- OmniPay Direct: Line Item Total
- RBS WorldPay Atlanta: Amount
- TSYS Acquiring Solutions: Does not apply

reversalInformation.reason

Reason for the authorization reversal.

Set the value for this field to **34**, which indicates suspected fraud.

This field is ignored for processors that do not support this value.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **reversalInformation.reason**
- SCMP API Field: **auth_reversal_reason**
- Simple Order API Field: **ccAuthReversalService_reversalReason**

senderInformation

The following fields provide sender information.

senderInformation.account.fundsSource

Source of funds.

This field is available only on the Barclays, Chase Paymentech Solutions, FDC Compass, and Visa Platform Connect processors.

These processors have specific requirements:

Barclays

When you process a Mastercard Payment of Winnings (indicated when you set the processingInformation.refundOptions.reason field to `pow`), you can use this field if you need to provide your merchant source of funds to process a Mastercard Payment of Winnings credit.

Possible values for processing a Mastercard Payment of Winnings credit:

- `00`: Other
- `01`: RTN + bank account
- `02`: International bank account number (IBAN)
- `03`: Card account
- `04`: Email
- `05`: Phone number
- `06`: Bank account number (BAN) + bank identification code (BIC)
- `07`: Wallet ID
- `08`: Social network ID

Chase Paymentech Solutions

Possible values:

- 01: Credit card
- 02: Debit card
- 03: Prepaid card
- 04: Cash
- 05: Debit or deposit account that is not linked to a Visa card. Includes checking accounts, savings accounts, and proprietary debit or ATM card accounts.
- 06: Credit account that is not linked to a Visa card. Includes credit cards and proprietary lines of credit.

For a credit card bill payment, set this field to 02, 03, 04, or 05.

FDC Compass

Possible values:

- 01: Credit card
- 02: Debit card
- 03: Prepaid card
- 04: Deposit account
- 05: Debit or deposit account that is not linked to a Visa card. Includes checking accounts, savings accounts, proprietary debit or ATM card accounts, and digital wallet accounts.
- 06: Credit account that is not linked to a Visa card. Includes credit cards and proprietary lines of credit.

For a funds disbursement, set this field to 04 to indicate that the originator used a deposit account to fund the disbursement.

For a credit card bill payment, set this field to 02, 03, 04, or 05.

Visa Platform Connect

Possible values:

- 01: Credit card
- 02: Debit card
- 03: Prepaid card
- 04: Cash
- 05: Debit or deposit account that is not linked to a Visa card. Includes checking accounts, savings accounts, proprietary

debit or ATM card accounts, and digital wallet accounts.

- **06**: Credit account that is not linked to a Visa card. Includes credit cards and proprietary lines of credit.

For a funds disbursement, set this field to 05 to indicate that the originator funded the disbursement using a checking account, savings account, proprietary debit or ATM card account, or digital wallet account.

For a credit card bill payment, set this field to 02, 03, 04, or 05.

Specifications

- Data Type: String with numbers only
- Data Length: 2

Mapping Information

- REST API Field: **senderInformation.account.fundsSource**
- SCMP API Field: **sender_source_of_funds**
- Simple Order API Field: **sender_sourceOfFunds**

senderInformation.account.number

The account number of the entity funding the transaction. The value for this field can be a payment card account number or bank account number.

This field is available only for the Barclays, FDC Compass, and Visa Platform Connect processors.

Barclays

When you process a Mastercard Payment of Winnings (indicated when you set the processingInformation.refundOptions.reason field to pow), you can use this field if you need to provide your merchant account number to process a Mastercard Payment of Winnings credit.

Specifications

- Data Type: String with numbers only
- Data Length: 20

Mapping Information

- REST API Field: **senderInformation.account.number**
- SCMP API Field: **sender_account_number**
- Simple Order API Field: **sender_accountNumber**

senderInformation.address1

Street address of sender.

This field is available only on the Barclays, FDC Compass, and Visa Platform Connect processors.

Barclays

When you process a Mastercard Payment of Winnings (indicated when you set the `processingInformation.refundOptions.reason` field to `pow`), the street name in your merchant configuration on the Cybersource platform is used by default as your default street address in a Mastercard Payment of Winnings credit request. You can use this field to override the default setting.

FDC Compass and Visa Platform Connect

For a funds disbursement, the value is the address of the originator sending the funds disbursement

Specifications

- Data Type: String
- Data Length: 50

Mapping Information

- REST API Field: **senderInformation.address1**
- SCMP API Field: **sender_address**
- Simple Order API Field: **sender_address**

senderInformation.administrativeArea

State of sender.

This field is available only on the Chase Paymentech Solutions, FDC Compass, and Visa Platform Connect processors.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **senderInformation.administrativeArea**
- SCMP API Field: **sender_state**
- Simple Order API Field:= **sender_state**

senderInformation. countryCode

Country of sender.

For a Funds Disbursement, the value is the country of the originator sending the funds disbursement.

This field is available only on the Barclays, FDC Compass, and Visa Platform Connect processors.

Barclays

When you process a Mastercard Payment of Winnings (indicated when you set the `processingInformation.refundOptions.reason` field to `pow`), the merchant country in your merchant configuration on the Cybersource platform is used by default as your default country code in a Mastercard Payment of Winnings credit request. You can use this field to override the default setting.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **senderInformation.countryCode**
- SCMP API Field: **sender_country**
- Simple Order API Field: **sender_country**

senderInformation.dateOfBirth

Date of birth of the sender.

This field is available only on the FDC Compass processor.

Format: YYYYMMDD

Before sending this value to the processor, Cybersource reformats it to the FDC Compass format: MMDDyyyy.

Specifications

- Data Type: String with numbers only
- Data Length: 8

Mapping Information

- REST API Field: **senderInformation.dateOfBirth**
- SCMP API Field: **sender_date_of_birth**
- Simple Order API Field: **sender_dateOfBirth**

senderInformation.firstName

First name of sender when the sender is an individual.

This field is available only on the Barclays, Chase Paymentech Solutions, FDC Compass, and Visa Platform Connect processors.

These processors have specific requirements:

Barclays

When you process a Mastercard Payment of Winnings (indicated when you set the `processingInformation.refundOptions.reason` field to `pow`), the merchant name in your merchant configuration on the Cybersource platform is used by default as your merchant first name in a Mastercard Payment of Winnings credit request. You can use this field to override the default setting.

Chase Paymentech Solutions

When the sender is a business or government entity, use the `senderInformation.name` field instead.

Visa Platform Connect

This field is required for Original Credit Transactions (OCTs) when the sender is a when the sender is an individual. It

is supported only for Mastercard card transactions that use the Payouts services. The value for this field corresponds to this data in the TC 33 capture file:

- Record: CP09 TCR3
- Position: 5-39
- Field: Account Owner Name-Given

Specifications

- Data Type: String
- Data Length: 35

Mapping Information

- REST API Field: **senderInformation.firstName**
- SCMP API Field: **sender_firstname**
- Simple Order API Field: **sender_firstName**

senderInformation. identificationNumber

Acquirer-populated value associated with the **senderInformation.personalIdType** request field, which identifies the personal ID type of the sender.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **senderInformation.identificationNumber**
- SCMP API Field: **sender_identification_number**
- Simple Order API Field: **sender_identificationNumber**

senderInformation. lastName

Last name of sender when the sender is an individual.

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

This field is available only on the Barclays, Chase Paymentech Solutions, FDC Compass, and Visa Platform Connect processors.

These processors have specific requirements:

Barclays

When you process a Mastercard Payment of Winnings (indicated when you set the `processingInformation.refundOptions.reason` field to `pow`), you can use this field to specify a merchant last name in a Mastercard Payment of Winnings credit request.

Chase Paymentech Solutions

When the sender is a business or government entity, use the `senderInformation.name` field instead. This field is required for Original Credit Transactions (OCTs) when the sender is a when the sender is an individual. It is supported only for Mastercard card transactions that use the Payouts services.

Visa Platform Connect

The value for this field corresponds to this data in the TC 33 capture file.

- Record: CP09 TCR3
- Position: 75-109
- Field: Account Owner Last Name

Specifications

- Data Type: String
- Data Length: 35

Mapping Information

- REST API Field: `senderInformation.lastName`
- SCMP API Field: `sender_lastname`
- Simple Order API Field: `sender_lastName`

senderInformation. locality

City of sender.

For a Funds Disbursement, the value is the city of the originator sending the funds disbursement.

This field is available only on the Barclays, FDC Compass and Visa Platform Connect processors.

Barclays

When you process a Mastercard Payment of Winnings (indicated when you set the `processingInformation.refundOptions.reason` field to `pow`), the merchant city in your merchant configuration on the Cybersource platform is used by default as your merchant city in a Mastercard Payment of Winnings credit request. You can use this field to override the default setting.

Specifications

- Data Type: String
- Data Length: 25

Mapping Information

- REST API Field: **senderInformation.locality**
- SCMP API Field: **sender_city**
- Simple Order API Field: **sender_city**

senderInformation.middleInitial

Middle initial of sender when the sender is an individual. When the sender is a business or government entity, use the **senderInformation.name** field instead. This field is available only on the FDC Compass processor.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **senderInformation.middleInitial**
- SCMP API Field: **sender_middleinitial**
- Simple Order API Field: **sender_middleInitial**

senderInformation.middleName

Middle name of sender when the sender is an individual. When the sender is a business or government entity, use the **senderInformation.name** field instead. This field is available only on the Visa Platform Connect processor.

The value for this field corresponds to the following data in the TC 33 capture file:

- Record: CP09 TCR3
- Position: 40-74
- Field: Account Owner Middle Name

The TC 33 capture file contains information about the payments and credits that a merchant submits to Cybersource. The processor creates the TC 33 capture file at the end of the day and sends it to the merchant's acquirer. The acquirer uses this information to facilitate end-of-day clearing processing with payment networks.

Specifications

- Data Type: String
- Data Length: 35

Mapping Information

- REST API Field: **senderInformation.middleName**
- SCMP API Field: **sender_middlename**
- Simple Order API Field: **sender_middleName**

senderInformation. name

Name of the sender.

This field is available only on the Chase Paymentech Solutions, FDC Compass, and Visa Platform Connect processors.

These processors have specific requirements:

Chase Paymentech Solutions

This field is required for original credit transactions (OCTs) when the sender is a when the sender is a business or government entity. It is supported only for Mastercard card transactions that use the Payouts services.

Visa Platform Connect

This value is the first name of the originator sending the funds disbursement.

Specifications

- Data Type: String
- Data Length
 - FDC Compass: 24
 - Chase Paymentech Solutions: 30
 - Visa Platform Connect: 30

Mapping Information

- REST API Field: **senderInformation.name**
- SCMP API Field: **sender_name**
- Simple Order API Field: **sender_name**

senderInformation.personalIdType

Type of sender identification.

This field is required to use the Payouts OCT service for aggregator support.

Possible values:

- **ARNB**: Alien registration number
- **BTHD**: Date of birth
- **CPNY**: Company registration number
- **CUID**: Customer identification (unspecified)
- **DRLN**: Driver's license
- **EMAL**: Email
- **LAWE**: Law enforcement identification
- **MILI**: Military identification
- **NTID**: National identification
- **PASN**: Passport number
- **PHON**: Phone number
- **PRXY**: Proxy identification
- **SSNB**: Social security number
- **TRVL**: Travel identification (non-passport)
- **TXIN**: Tax identification

When this field is set to **TXIN**, you must indicate the type of tax identifier by including the **senderInformation.type** API field in the authorization message.

This field is available only on the Visa Platform Connect processor.

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **senderInformation.personalIdType**
- SCMP API Field: **sender_personal_id_type**
- Simple Order API Field: **sender_personalIDType**

senderInformation. phoneNumber

Phone number of the sender.

This field is available only on the FDC Compass processor.

Merchant Disbursement: This value is your business phone number.

Specifications

- Data Type: String with numbers only
- Data Length: 20

Mapping Information

- REST API Field: **senderInformation.phoneNumber**
- SCMP API Field: **sender_phone_number**
- Simple Order API Field: **sender_phoneNumber**

senderInformation. postalCode

Postal code of sender.

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **senderInformation.postalCode**
- SCMP API Field: **sender_postal_code**
- Simple Order API Field: **sender_postalCode**

senderInformation. referenceNumber

Reference number generated by you that uniquely identifies the sender.

Specifications

- Data Type: String
- Data Length: 19

Mapping Information

- REST API Field: **senderInformation.referenceNumber**
- SCMP API Field: **sender_reference_number**
- Simple Order API Field: **sender_referenceNumber**

senderInformation.type

Type of tax identifier (business or individual) when Tag 9F20 IDType (the **senderInformation.personalIdType** field) contains the value **TXIN** (tax identification).

Possible values:

- **B**: Business tax ID
- **I**: Individual tax ID

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **senderInformation.type**
- SCMP API Field: **sender_type**
- Simple Order API Field: **sender_type**

serialNumber

Serial number of the terminal.



Important

After the serial number is set, it cannot be changed. To get this value, contact Cybersource customer support.

Specifications

- Data Type: String
- Data Length: 64

Mapping Information

- REST API Field: **serialNumber**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

shippedDateInUTC

Date in UTC that the terminal was shipped.

Format: yyyy-MM-DDThh:mm:ssZ

To get this value, contact Cybersource customer support.

Example: `2021-08-11T22:47:57Z` equals August 11, 2021, at 22:47:57 (10:47:57 p.m.). The T separates the date and the time. The Z indicates UTC.

Specifications

- Data Type: String (date time)
- Data Length: Pre-defined format length

Mapping Information

- REST API Field: **shippedDateInUTC**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

shippingTrackingNumber

Tracking number from the shipping carrier.
To get this value, contact Cybersource customer support.

Specifications

- Data Type: String
- Data Length: 128

Mapping Information

- REST API Field: **shippingTrackingNumber**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

status

Request Description

The status of the terminal. To set the status field as **Active**, you must set the **paymentProcessor**, **terminalId**, and **serialNumber** fields. For terminals that have an **Active** status, the **statusChangeReason** field is set to **In Production**.

Possible values:

- **Active**
- **Inactive**

Response Description

The status of the plan, subscription, or submitted transaction.

Valid values :

- **ACTIVE**
- **CANCELLED**
- **DELINQUENT**
- **EXPIRED**
- **PENDING**
- **REVERSED**
- **SUSPENDED**

Specifications

- Data Type: Enum
- Data Length: Pre-defined values

Mapping Information

- REST API Field: **status**
- SCMP API Field: No corresponding field.

status

- Simple Order API Field: No corresponding field.

statusChangeReason

Reason for change in status of the terminal.

Valid values:

- **Broken/Damaged**: Terminal is broken; does not work.
- **End of Life** : Terminal is not supported any more.
- **In Production**: Terminal is active.
- **Lost/Stolen**: Terminal is lost or stolen.
- **Other**: Terminal is inactive. (default)
- **Pending Setup**: Terminal has not been set up.
- **Replaced**: Terminal has been replaced.
- **Returned**: Terminal has been returned.

Specifications

- Data Type: Enum of string
- Data Length: Pre-defined values

Mapping Information

- REST API Field: **statusChangeReason**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

subscriptionInformation

The following fields provide subscription information.

subscriptionInformation. name

The subscription name.

Specifications

- Data Type: String
- Data Length: 100

Mapping Information

- REST API Field: **subscriptionInformation.name**
- SCMP API Field: No corresponding field.
- Simple Order API Field: No corresponding field.

subscriptionInformation. startDate

The start date of the subscription.

Format: yyyy-MM-dd

Specifications

- Data Type: String
- Data Length: 10

Mapping Information

- REST API Field: **subscriptionInformation.startDate**
- SCMP API Field: No corresponding field.
- Simple Order API Field: No corresponding field.

submitTimeUTC

Time when the service was requested in Coordinated Universal Time (UTC).

Specifications

- Type: String
- Length: 20

Mapping Information

- REST API Field: **submitTimeUTC**
- SCMP API Fields:
 - **auth_auth_time**
 - **auth_reversal_request_time**
 - **bill_bill_request_time**
 - **credit_credit_request_time**
 - **ecp_credit_submit_time**
 - **ecp_debit_submit_time**
 - **incremental_auth_time**
 - **oct_request_time**
 - **pin_debit_credit_time**
 - **pin_debit_purchase_time**
 - **pin_debit_reversal_time**
 - **void_void_request_time**
- Simple Order API Fields:
 - **ccAuthReply_authorizedDateTime**
 - **ccAuthReversalReply_requestDateTime**
 - **ccCaptureReply_requestDateTime**
 - **ccCreditReply_requestDateTime**
 - **ccIncrementalAuthReply_authorizedDateTime**
 - **ecCreditReply_requestDateTime**

- **ecDebitReply_requestDateTime**
- **octReply_requestDateTime**
- **pinDebitCreditReply_dateTime**
- **pinDebitPurchaseReply_dateTime**
- **pinDebitReversalReply_dateTime**
- **voidReply_requestDateTime**

targetOrigins

Target URL in Unified Checkout. The URL in this field value must contain `https`.

Specifications

- Data Type: String
- Data Length:

Mapping Information

- REST API Field: **country**
- Simple Order API Field: No corresponding field.

taxInformation

The following fields provide tax information.

taxInformation.commitIndicator

This is a request and a response field. In a request, this field indicates whether this is a committed tax transaction. In a response, this field is an echo commit action you receive.

Request Field

For a committed tax transaction, the status in the Tax Detail Report is “Committed.” For an uncommitted tax transaction, the status in the Tax Detail Report is “Uncommitted.”

Possible values:

- **true**: This is a committed tax transaction.
- **false** (default): This is not a committed tax transaction.

Response Field

Possible values:

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **taxInformation.commitIndicator**
- SCMP API Field: **tax_commit_indicator**
- Simple Order API Fields:
 - **taxReply_commitIndicator**
 - **taxService_commitIndicator**

taxInformation. dateOverrideReason

When a past or future date is specified in **orderInformation.invoiceDetails.invoiceDate**, provide the reason for that for audit purposes.

Typical reasons include:

- Return
- Layaway
- Imported

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **taxInformation.dateOverrideReason**
- SCMP API Field: **tax_date_override_reason**
- Simple Order API Field: **taxService_dateOverrideReason**

taxInformation. nexus

List of states or provinces in which merchandise is taxable.

Do not use both the **taxInformation.nexus** and **taxInformation.noNexus** fields in your request. The default value for **taxInformation.nexus** is all states.

Use the state, province, or territory codes for the US and Canada. Use a single space to separate each code in the list. Use the [State, Province, and Territory Codes for the United States and Canada](#).

When you indicate you do not have nexus in the destination state, jurisdiction level fields are left blank in the Tax Detail Report.

Specifications

- Data Type: String
- Data Length: no limit

Mapping Information

- REST API Field: **taxInformation.nexus**
- SCMP API Field: **nexus**
- Simple Order API Field: **taxService_nexus**

taxInformation.noNexus

List of states or provinces in which merchandise is not taxable.

Do not use both the **taxInformation.nexus** and **taxInformation.noNexus** fields in your request. The default value for **taxInformation.nexus** is all states.

Use the state, province, or territory codes for the US and Canada. Use a single space to separate each code in the list. See [State, Province, and Territory Codes for the United States and Canada](#).

When you indicate you do not have nexus in the destination state, jurisdiction level fields are left blank in the Tax Detail Report.

Specifications

- Data Type: String
- Data Length: No limit

Mapping Information

- REST API Field: **taxInformation.noNexus**
- SCMP API Field: **no_nexus**
- Simple Order API Field: **taxService_noNexus**

taxInformation.refundIndicator

In a request, this field indicates whether this is a refund tax transaction. In a response, this field is an echo refund action you receive.

Indicates whether this is a refund tax transaction.

For a refund tax transaction, amounts in the Tax Detail Report are negative.

Possible values:

- **true**: This is a refund tax transaction.
- **false** (default): This is not a refund tax transaction.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **taxInformation.refundIndicator**
- SCMP API Field: **tax_refund_indicator**
- Simple Order API Fields:

- **taxReply_refundIndicator**
- **taxService_refundIndicator**

taxInformation.reportingDate

Reporting date for the transaction.

This value is included in the Tax Detail Report. When you do not include this field in the request, the reporting date is set to the current date.

Format: yyyyMMdd

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

- REST API Field: **taxInformation.reportingDate**
- SCMP API Field: **tax_reporting_date**
- Simple Order API Field: **taxService_reportingDate**

taxInformation.showTaxPerLineItem

Whether or not to display tax amounts for each offer.

This field can contain one of the following values:

- **yes**: Display tax amounts for each offer.
- **no** (default): Do not display tax amounts for each offer.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **taxInformation.showTaxPerLineItem**
- SCMP API Field: **show_tax_per_offer**
- Simple Order API Field: No corresponding field

teBagSerialNumber

Serial number of the tamper-evident bag used for shipping the terminal. To get this value, contact Cybersource customer support.

Specifications

- Data Type: String
- Data Length: 64

Mapping Information

- REST API Field: **teBagSerialNumber**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

ticketNumbers

Optional ticket number to track the state of the terminal.

Specifications

- Data Type: String
- Data Length: 128

Mapping Information

- REST API Field: **ticketNumbers**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

tokenInformation

The following fields provide token information.

tokenInformation.additionalInformation

This value indicates whether the transaction is eligible for token services. It is sent only for transactions processed by SMCC.

Possible values:

- **0**: Does not apply.
- **1**: Eligible for token services.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **tokenInformation.additionalInformation**
- SCMP API Field: **additional_token_response_information**
- Simple Order API Field: **additionalToken_responseInformation**

tokenInformation.instrumentIdentifierNew

Indicates whether the tokenized credential already exists as an Instrument Identifier or is a new credential.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **tokenInformation.instrumentIdentifierNew**
- SCMP API Field: **pay_subscription_create_instrument_identifier_new**
- Simple Order API Field: **paySubscriptionCreateReply_instrumentIdentifierNew**

tokenInformation.jti

Unique, time-limited identifier for the Token Management Service (TMS) transient token. The 64 hexadecimal value representing captured payment credentials, including sensitive authentication data (SAD).

The **tokenInformation.jti** field expires after 24 hours.

Use this ID in place of the payment data in a service request. When you include this value in your request, many of the fields that are normally required for an authorization or capture are not required.

BIN Lookup Service

When you send multiple fields in the `paymentInformation[]` and `tokenInformation[]` objects, BIN Lookup processes fields in the `paymentInformation[]` object first, and then it processes fields in the `tokenInformation[]` object.

Specifications

- Data Type: String
- Data Length: 64

Mapping Information

- REST API Field: **tokenInformation.jti**
- SCMP API Field: **transient_token**
- Simple Order API Field: **tokenSource_transientToken**

tokenInformation.networkTokenOption

Indicates whether Cybersource should use a payment network token that is associated with a TMS token for an authorization.

Possible values:

- **ignore**: Use a tokenized card number for an authorization, even if the TMS token has an associated payment network token.
- **prefer**: Use an associated payment network token for an authorization if the TMS token has one; otherwise, use the tokenized card number.

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

- REST API Field: **tokenInformation.networkTokenOption**
- SCMP API Field: **tms_network_token_option**
- Simple Order API Field: **tokenSource_networkTokenOption**

tokenInformation.transientTokenJwt

Unique identifier for the Flex API transient token.

The transient token encoded as a JSON Web Token (JWT) generated by the Flex API or Unified Checkout checkout.

BIN Lookup Service

When you send multiple fields in the `paymentInformation[]` and `tokenInformation[]` objects, BIN Lookup processes fields in the `paymentInformation[]` object first, and then it processes fields in the `tokenInformation[]` object.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

No corresponding fields.

totalCount

The total number of plans created by the merchant.

Specifications

- Data Type: Integer
- Data Length: 36

Mapping Information

- REST API Field:: **totalCount**
- SCMP API Field: No corresponding field.
- Simple Order API Field: No corresponding field.

travellInformation

The following fields provide travel information.

travellInformation.actualFinalDestination

Use to specify the airport code for the actual final destination of the trip.

This code is usually three digits long, for example: SFO = San Francisco. Do not use the colon (:) or the dash (-).

For example, if the route is `SFO-LAX:LAX-MCT:MCT-BLR:BLR-MCT:MCT-LAX:LAX-SFO`, the actual final destination might be `BLR` (`SFO` is the last destination only because this is a round trip.)

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **travellInformation.actualFinalDestination**
- SCMP API Field: **decision_manager_travel_actual_final_destination**
- Simple Order API Field: **decisionManager_travelData_actualFinalDestination**

travellInformation.actualFinalDestination.city

City of the actual final destination.

For example, if the route is `SFO-LAX:LAX-MCT:MCT-BLR:BLR-MCT:MCT-LAX:LAX-SFO`, the actual final destination is `BLR` (`SFO` is the last destination only because this is a round trip).

The value must be included as a destination in the **travellInformation.completeRoute** field in order to be present in the response along with the corresponding city, country, and geographical details.

Specifications

- Data Type: String
- Data Length: 90

Mapping Information

- REST API Field: **travellInformation.actualFinalDestination.city**
- SCMP API Field: **decision_travel_actual_final_destination_city**
- Simple Order API Field: **decisionReply_travel_actualFinalDestinationCity**

travellInformation. actualFinalDestination.country

Country of the actual final destination.

Specifications

- Data Type: String
- Data Length: 90

Mapping Information

- REST API Field: **travellInformation.actualFinalDestination.country**
- SCMP API Field: **decision_travel_actual_final_destination_country**
- Simple Order API Field: **decisionReply_travel_actualFinalDestinationCountry**

travellInformation. actualFinalDestination.latitude

Latitude of the actual final destination.

Use the format: **###.#####**

For example: 12.982267

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **travellInformation.actualFinalDestination.latitude**
- SCMP API Field: **decision_travel_actual_final_destination_latitude**
- Simple Order API Field: **decisionReply_travel_actualFinalDestinationLatitude**

travellInformation. actualFinalDestination.longitude

Longitude of the actual final destination.

Use the format: **###.#####**

For example: 80.16378

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **travellInformation.actualFinalDestination.longitude**
- SCMP API Field: **decision_travel_actual_final_destination_longitude**
- Simple Order API Field: **decisionReply_travel_actualFinalDestinationLongitude**

travellInformation. agency.code

International Air Transport Association (IATA) code for the travel agency that made the reservation.

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

- REST API Field: **travellInformation.agency.code**
- SCMP API Field: **airline_agent_code**
- Simple Order API Field: **airlineData_agentCode**

travellInformation. agency.name

Name of the travel agency that made the reservation.

Specifications

- Data Type: String
- Data Length: 25

Mapping Information

- REST API Field: **travellInformation.agency.name**
- SCMP API Field: **airline_agent_name**
- Simple Order API Field: **airlineData_agentName**

travellInformation. completeRoute

Concatenation of individual travel legs in the format ORIG1-DEST1[:ORIG2-DEST2...:ORIGn-DESTn]

or example: SFO-JFK:JFK-LHR:LHR-CDG.

In your request, send either the complete route or the individual legs (_leg#_orig and _leg#_dest). If you send all the fields, the value of _complete_route takes precedence over that of the _leg# fields.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **travellInformation.completeRoute**
- SCMP API Field: **decision_manager_travel_complete_route**
- Simple Order API Field: **decisionManager_travelData_completeRoute**

travellInformation. departureTime

Departure date and time of the first leg of the trip.

Use one of the following formats:

- yyyy-MM-dd HH:mm z

- `yyy-MM-dd hh:mm a z`
- `yyyy-MM-dd hh:mma z`

HH = hour in 24-hour format

hh = hour in 12-hour format

a = a.m. or p.m. (case insensitive)

z = time zone of the departing flight, for example: If the airline is based in city A, but the flight departs from city B, z is the time zone of city B at the time of departure.

Important

For travel information, use GMT or offset from GMT.

`2020-03-20 11:30 pm GMT`

`2020-03-20 11:30 pm GMT-05:00`

The format must follow the example when specifying an offset from GMT. Insert no spaces between the time zone and the offset.

Specifications

- Data Type: Date Time
- Data Length: 28

Mapping Information

- REST API Field: **`travellInformation.departureTime`**
- SCMP API Field: **`decision_manager_travel_departure_time`**
- Simple Order API Field: **`decisionManager_travelData_departureDateTime`**

travellInformation. duration

Number of days of the auto rental or lodging rental.

Auto rental

This field is supported for Visa, MasterCard, and American Express.

Important

If this field is not included when the **`processingInformation.industryDataType`** field is set to `auto_rental`, the transaction is declined.

Lodging

For a lodging deposit, the value for this field specifies the number of days covered by

the advance payment. Possible values: **01** through **99**.



Important

If this field is not included when the **processingInformation.industryDataType** field is set to lodging, the transaction is declined.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **travellInformation.duration**
- SCMP API Field: **duration**
- Simple Order API Field: **cclIncrementalAuthService_duration**

travellInformation. journeyType

Type of travel, for example **one way** or **round trip**.

Specifications

- Data Type: String
- Data Length: 32

Mapping Information

- REST API Field: **travellInformation.journeyType**
- SCMP API Field: **decision_manager_travel_journey_type**
- Simple Order API Field: **decisionManager_travelData_journeyType**

travellInformation. legs[]. departureDate

Departure date and time of each leg of the trip.

For example, if route is **SFO-JFK: JFK-LHR: LHR-MUM**, then **SFO-JFK** is leg 0 and **LHR-MUM** is leg2.

The leg number can be a positive integer from 0 to N. The departure time in leg N+1 must be higher than the departure time in leg N.

Use one of the following shared formats:

- yyyy-MM-dd HH:mm z
- yy-MM-dd hh:mm a z
- yyyy-MM-dd hh:mma z

HH = hour in 24-hour format

hh = hour in 12-hour format

a = a.m. or p.m. (case insensitive)

z = time zone of the departing flight, for example: If the airline is based in city A, but the flight departs from city B, z is the time zone of city B at the time of departure.



Important

For travel information, use GMT or offset from GMT.

2020-03-20 11:30 pm GMT

2020-03-20 11:30 pm GMT-05:00

When specifying an offset from GMT, the format must be exactly as specified in the example. Insert no spaces between the time zone and the offset.

Specifications

- Data Type: Date Time
- Data Length: 25

Mapping Information

- REST API Field: **travellInformation.legs[].departureDate**
- SCMP API Field: **decision_manager_travel_legnum_departure_time**
- Simple Order API Field: **decisionManager_travelData_leg_#_departureDateTime**

travellInformation.legs[].destination

Specifies the destination for each leg of the trip using the three digit airport code.

For example, `decision_manager_travel_leg0_dest = SFO`

`decision_manager_travel_leg1_dest = SFO`



Important

In your request, send either the complete route or the individual legs (`_leg#_orig` and `_leg#_dest`). If you send all the fields, the complete route takes precedence over the individual legs.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **travellInformation.legs[].destination**
- SCMP API Field: **decision_manager_travel_legnum_destination**
- Simple Order API Field: **decisionManager_travelData_leg_#_destination**

travellInformation.legs[].origination

Specifies the origination for each leg of the trip using the three digit airport code. For example: SFO = San Francisco. Do not use the colon (:) or the dash (-). The leg number can be a positive integer from 0 to N. For example, `decision_manager_travel_leg0_dest = SFO` `decision_manager_travel_leg1_dest = SFO`



Important

In your request, send either the complete route or the individual legs (`_leg#_orig` and `_leg#_dest`). If you send all the fields, the complete route takes precedence over the individual legs.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **travellInformation.legs[].origination**
- SCMP API Field: **decision_manager_travel_legnum_orig**
- Simple Order API Field: **decisionManager_travelData_leg_#_origin**

travellInformation.numberofPassengers

Number of passengers for whom the ticket was issued. If you do not include this field in your request, a default value of 1 is used. Required for American Express SafeKey (US) for travel-related requests.

Specifications

- Data Length: 3

Mapping Information

- REST API Field: **travellInformation.numberOfPassengers**
- SCMP API Field: **No corresponding field**
- Simple Order API Field: **No corresponding field**

travellInformation. passengers.firstName

First name of the passenger to whom the ticket was issued.

If there are multiple passengers, include all that are listed on the ticket. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported.

Required for American Express SafeKey (US) for travel-related requests.

Specifications

- Data Type: Array of strings
- Data Length: 60

Mapping Information

- REST API Field: **travellInformation.passengers.firstName**
- SCMP API Field: **airline_passenger#_firstname**
- Simple Order API Field: **airlineData_passenger_#_firstName**

travellInformation. passengers.lastName

Last name of the passenger to whom the ticket was issued.

If there are multiple passengers, include all that are listed on the ticket. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported.

Required for American Express SafeKey (US) for travel-related requests.

Specifications

- Data Type: Array of strings
- Data Length: 60

Mapping Information

- REST API Field: **travellInformation.passengers.lastName**
- SCMP API Field: **airline_passenger#_lastname**
- Simple Order API Field: **airlineData_passenger_#_lastName**

travellInformation. transit.airline.ancillaryInformation. connectedTicketNumber

Airline ticket number connected to ancillary purchase.

If purchase has connection or relation to another purchase, such as a baggage fee for a passenger transport ticket, this field must contain the ticket number for the other purchase.

For stand-alone purchases, the value for this field must be the same value used for the **travellInformation.transit.airline.ancillaryInformation.ticketNumber** field.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field:
travellInformation.transit.airline.ancillaryInformation.connectedTicketNumber
- SCMP API Field: **ancillary_connected_ticket_number**
- Simple Order API Field: **ancillaryData_connectedTicketNumber**

travellInformation. transit.airline. ancillaryInformation. creditReasonIndicator

Indicates reason for credit to cardholder.

Possible Values:

- **A**: Passenger transport ancillary fee cancellation
- **B**: Airline ticket and passenger transport ancillary fee cancellation
- **C**: Airline ticket cancellation
- **O**: Other
- **P**: Partial refund of airline ticket

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **travellInformation.transit.airline.ancillaryInformation.creditReasonIndicator**
- SCMP API Field: **ancillary_credit_reason_indicator**
- Simple Order API Field: **ancillaryData_creditReasonIndicator**

travellInformation. transit.airline.ancillaryInformation. passengerName

Passenger name or the cardholder name if the passenger is unavailable. If neither names are available, this value is a description of the ancillary purchase.

Specifications

- Data Type: String
- Data Length: 20

Mapping Information

- REST API Field: **travellInformation.transit.airline.ancillaryInformation.passengerName**
- SCMP API Field: **ancillary_passenger_name**
- Simple Order API Field: **ancillaryData_passengerName**

travellInformation. transit.airline.ancillaryInformation.service[]. categoryCode

Category code for ancillary service provided. Obtain the codes from the International Air Transport Association (IATA).

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field:
travellInformation.transit.airline.ancillaryInformation.service[].categoryCode
- SCMP API Field: **ancillary_service#_category_code**
- Simple Order API Field: **ancillaryData_service_#_categoryCode**

travellInformation. transit.airline.ancillaryInformation.service[]. subCategoryCode

Subcategory code for the ancillary service category. Obtain codes from the International Air Transport Association (IATA).

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field:
travellInformation.transit.airline.ancillaryInformation.service[].subCategoryCode
- SCMP API Field: **ancillary_service#_subcategory_code**
- Simple Order API Field: **ancillaryData_service_#_subcategoryCode**

travellInformation. transit.airline.ancillaryInformation. ticketNumber

Ticket number, which consists of carrier code, form, and serial number, without the check digit.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **travellInformation.transit.airline.ancillaryInformation.ticketNumber**
- SCMP API Field: **ancillary_ticket_number**
- Simple Order API Field: **ancillaryData_ticketNumber**

Processor Field Names:

Processor-specific field names for each processor supporting this field:

- FDC Nashville Global: Ancillary Ticket Document Number

travellInformation.transit.airline.arrivalDate

Date of final arrival after completion of all legs of travel.

Format:

- FDC Nashville Global: **YYYYMMDD**
- All other processors: **MMDDYYYY**

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

- REST API Field: **travellInformation.transit.airline.arrivalDate**
- SCMP API Field: **airline_arrival_date**
- Simple Order API Field: **airlineData_arrivalDate**

travellInformation.transit.airline. carrierName

The name of the airline carrier that generated the airline ticket.

OmniPay Direct and Lloyds-OmniPay

The field value is the two letter IATA carrier code for the airline carrier.

This is applicable to all OmniPay Direct processors.

Specifications

- Data Type: String
- Data Length: 25

Mapping Information

- REST API Field: **travellInformation.transit.airline.carrierName**
- Simple Order API Field: **airlineData_carrierName**

travellInformation. transit.airline.customerCode

Code assigned by carrier to a corporation or business entity to identify corporate rates or discounts; or, a code supplied by cardholder to merchant; or, a code supplied by cardholder.

Specifications

- Data Type: String
- Data Length: 17

Mapping Information

- REST API Field: **travellInformation.transit.airline.customerCode**
- SCMP API Field: **airline_customer_code**
- Simple Order API Field: **airlineData_customerCode**

travellInformation. transit.airline.documentType

Travel package code for indicating whether the package includes a car rental, airline flight, both, or neither.

This field is only used with American Express cards.

FDC Nashville Global possible value:

- **A**: Airline flight reservation included.

Possible values for all other processors:

- **A**: Airline flight reservation included.
- **B**: Both car rental and airline flight reservations included.
- **C**: Car rental reservation included.
- **N**: Unknown.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **travellInformation.transit.airline.documentType**
- SCMP API Field: **airline_document_type**
- Simple Order API Field: **airlineData_documentType**

travellInformation. transit.airline.legs[].arrivalTime

Arrival time for a leg of a trip.

Format: **HHMM**

Possible values for hours (**HH**) range from **00** to **23**.

Possible values for minutes (**MM**) range from **01** to **59**.

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].arrivalTime**
- SCMP API Field: **airline_leg#_arrival_time**
- Simple Order API Field: **airlineData_leg_#_arrivalTime**

travellInformation. transit.airline.legs[].arrivalTimeMeridian

Indicates whether arrival time for a segment of a trip occurs during AM or PM.

Possible values:

- **A**: 12:00 AM — 11:59 AM
- **P**: 12:00 PM — 11:59 PM

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].arrivalTimeMeridian**
- SCMP API Field: **airline_leg#_arrival_time_segment**
- Simple Order API Field: **airlineData_leg_#_arrivalTimeSegment**

travellInformation. transit.airline.legs[].carrierCode

Standard code for the airline or railway carrier for a leg of the trip. Required for each leg. Payer Authentication services only use the first leg of the trip. International Air Transport Association (IATA) code is obtained from the Official Airline Guide or its equivalent.

FDC Nashville Global

Airline carrier code for each leg of ticket, including origin and destination.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].carrierCode**
- SCMP API Field: **airline_leg#_carrier_code**
- Simple Order API Field: **airlineData_leg_#_carrierCode**

travellInformation.transit.airline.legs[].class

Service type for trip, such as coach or first-class.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].class**
- SCMP API Field: **airline_leg#_class**
- Simple Order API Field: **airlineData_leg_#_class**

travellInformation. transit.airline.legs[].conjunctionTicket

Ticket that contains additional coupons on an itinerary that is more than four segments.

Specifications

- Data Type: String
- Data Length: 14

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].conjunctionTicket**
- SCMP API Field: **airline_leg#_conjunction_ticket**
- Simple Order API Field: **airlineData_leg_#_conjunctionTicket**

travellInformation.transit.airline.legs[]. couponNumber

Coupon number for a specific travel leg within a ticket.

A ticket may consist of multiple legs of travel. Each leg requires its own unique coupon number.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].couponNumber**
- SCMP API Field: **airline_leg#_coupon_number**
- Simple Order API Field: **airlineData_leg_#_couponNumber**

travellInformation.transit.airline.legs[]. departureTime

Departure time for a leg of a trip.

Format: **HHMM**

Possible values for hours (**HH**) range from **00** to **24**.

Possible values for minutes (**MM**) range from **01** to **59**.

Specifications

- Data Type: String
- Data Length: 4

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].departureTime**
- SCMP API Field: **airline_leg#_departure_time**
- Simple Order API Field: **airlineData_leg_#_departureTime**

travellInformation.transit.airline.legs[]. departureTimeMeridian

Indicates whether departure time for a segment of a trip occurs during AM or PM.

Possible values:

- **A**: 12:00 AM — 11:59 AM
- **P**: 12:00 PM — 11:59 PM

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].departureTimeMeridian**
- SCMP API Field: **airline_leg#_departure_time_segment**
- Simple Order API Field: **airlineData_leg_#_departureTimeSegment**

travellInformation.transit.airline.legs[]. departureDate

Departure date for the first leg of the trip. Can also be referred to as effective date.
Format: YYYYMMDD

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].departureDate**
- SCMP API Field: **airline_leg#_leg_departure_date**
- Simple Order API Field: **airlineData_leg_#_departureDate**

travellInformation.transit.airline.legs[]. destinationAirportCode

International Air Transport Association (IATA) code for the destination airport for this leg of trip.

Required for reduced interchange.

Payer Authentication

Payer Authentication services only use the first leg of the trip.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].destinationAirportCode**

- SCMP API Field: **airline_leg#_destination**
- Simple Order API Field: **airlineData_leg_#_destination**

travellInformation.transit.airline.legs[].endorsementsRestrictions

Notations of an endorsement or restriction for a leg of a trip.

Endorsements can be notations added by the travel agency, including mandatory government required notations, such as value added tax.

Restrictions are limitations for the ticket based on fare type, such as nonrefundable tickets.

Specifications

- Data Type: String
- Data Length: 20

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].endorsementsRestrictions**
- SCMP API Field: **airline_leg#_endorsements_restrictions**
- Simple Order API Field: **airlineData_leg_#_endorsementsRestrictions**

travellInformation.transit.airline.legs[].exchangeTicketNumber

New ticket number issued when a ticket is exchanged.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].exchangeTicketNumber**
- SCMP API Field: **airline_leg#_exchange_ticket**
- Simple Order API Field: **airlineData_leg_#_exchangeTicket**

travellInformation.transit.airline.legs[].fareBasis

Code assigned by carrier to indicate ticket type, such as business class, discounted, or non-refundable.

Specifications

- Data Type: String
- Data Length:
 - FDC Nashville Global: 15
 - All other processors: 6

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].fareBasis**
- SCMP API Field: **airline_leg#_fare_basis**
- Simple Order API Field: **airlineData_leg_#_fareBasis**

travellInformation.transit.airline.legs[].feeAmount

Fee amount for a leg of a trip, such as an airport fee or country fee.

Specifications

- Data Type: String
- Data Length:
 - FDC Nashville Global: 9
 - All other processors: 12

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].feeAmount**
- SCMP API Field: **airline_leg#_fee**
- Simple Order API Field: **airlineData_leg_#_fee**

travellInformation.transit.airline.legs[].flightNumber

Flight number for a leg of a trip. Number assigned by operating or marketing carrier.

Specifications

- Data Type: String
- Data Length:
 - FDC Nashville Global: 5
 - All other processors: 6

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].flightNumber**
- SCMP API Field: **airline_leg#_flight_number**
- Simple Order API Field: **airlineData_leg_#_flightNumber**

travellInformation.transit.airline.legs[].originatingAirportCode

International Air Transport Association (IATA) code for originating airport for the first leg of the trip.

Specifications

- Data Type: String
- Data Length:
 - FDC Nashville Global: 5
 - All other processors: 3

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].originatingAirportCode**
- SCMP API Field: **airline_leg#_originating_airport_code**
- Simple Order API Field: **airlineData_leg_#_originatingAirportCode**

travellInformation.transit.airline.legs[].stopoverIndicator

Code indicating whether a stopover is allowed on this leg of the trip.

Possible values:

- **O**: Stopover allowed (capital letter "O"). Default value.
- **X**: Stopover not allowed.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].stopoverIndicator**
- SCMP API Field: **airline_leg#_stopover_code**
- Simple Order API Field: **airlineData_leg_#_stopoverCode**

travellInformation.transit.airline.legs[].taxAmount

Tax amount for a leg of a trip.

Specifications

- Data Type: String
- Data Length: 9

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].taxAmount**
- SCMP API Field: **airline_leg#_tax**
- Simple Order API Field: **airlineData_leg_#_tax**

travellInformation.transit.airline.legs[].totalFareAmount

Ticket amount for a leg of a trip.

Specifications

- Data Type: String
- Data Length:
 - FDC Nashville Global: 11
 - All other processors: 15

Mapping Information

- REST API Field: **travellInformation.transit.airline.legs[].totalFareAmount**
- SCMP API Field: **airline_leg#_fare**
- Simple Order API Field: **airlineData_leg_#_fare**

travellInformation.transit.airline.passengerName

Name of the person the ticket was issued to.

Specifications

- Data Type: String
- Data Length: 25

Mapping Information

- REST API Field: **travellInformation.transit.airline.passengerName**
- SCMP API Field: **airline_passenger_name**
- Simple Order API Field: **airlineData_passengerName**

travellInformation.transit.airline.planNumber

Plan number that is based on fare. It is supplied by the carrier.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **travellInformation.transit.airline.planNumber**
- SCMP API Field: **airline_plan_number**
- Simple Order API Field: **airlineData_planNumber**

travellInformation.transit.airline. restrictedTicketIndicator

Indicates whether ticket is refundable.

Possible values:

- **0**: refundable
- **1**: nonrefundable

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **travellInformation.transit.airline.restrictedTicketIndicator**
- SCMP API Field: **airline_restricted_ticket_indicator**
- Simple Order API Field: **airlineData_restrictedTicketIndicator**

travellInformation.transit.airline. ticketChangeIndicator

Indicates the type of update to a ticket.

Possible values:

- **C**: Change to existing ticket
- **N**: New ticket

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **travellInformation.transit.airline.ticketChangeIndicator**
- SCMP API Field: **airline_ticket_update_indicator**
- Simple Order API Field: **airlineData_ticketUpdateIndicator**

travellInformation.transit.airline. ticketIssueDate

Date that the ticket was issued to customer.
If information is not available, use spaces.
Format:

- **MMDDYY**

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

- REST API Field: **travellInformation.transit.airline.ticketIssueDate**
- SCMP API Field: **airline_ticket_issue_date**
- Simple Order API Field: **airlineData_ticketIssueDate**

travellInformation.transit.airline. ticketIssuer.address

Address of agency issuing the ticket.

Specifications

- Data Type: String
- Data Length: 16

Mapping Information

- REST API Field: **travellInformation.transit.airline.ticketIssuer.address**
- SCMP API Field: **airline_ticket_issuer_address**
- Simple Order API Field: **airlineData_ticketIssuerAddress**

travellInformation.transit.airline.ticketNumber

Ticket number used to identify a travel ticket.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Field: **travellInformation.transit.airline.ticketNumber**
- SCMP API Field: **airline_ticket_number**
- Simple Order API Field: **airlineData_ticketNumber**

travellInformation.transit.airline. totalFeeAmount

Fee that the customer is charged to change the destination or departure time of an original ticket.

Specifications

- Data Type: Numerical
- Data Length: 11

Mapping Information

- REST API Field: **travellInformation.transit.airline.totalFeeAmount**
- SCMP API Field: **airline_total_fee**
- Simple Order API Field: **airlineData_totalFee**

travellInformation.transit. exchangeTicketAmount

Amount of the exchanged ticket.

Specifications

- Data Type: Numerical
- Data Length: 12

Mapping Information

- REST API Field: **travellInformation.transit.exchangeTicketAmount**
- SCMP API Field: **airline_exchange_ticket_amount**
- Simple Order API Field: **airlineData_exchangeTicketAmount**

travellInformation.transit.airline. exchangeTicketFeeAmount

Fee amount for changing the destination or departure time of the original ticket.

Specifications

- Data Type: Numerical
- Data Length: 12

Mapping Information

- REST API Field: **travellInformation.transit.airline.exchangeTicketFeeAmount**
- SCMP API Field: **airline_exchange_ticket_fee**
- Simple Order API Field: **airlineData_exchangeTicketFee**

type

Type of point-of-sale (POS) terminal.

Valid values:

- `TERMINAL`
- `MOBILE`

Specifications

- Data Type: Enum of string
- Data Size: Pre-defined values

Mapping Information

- REST API Field: **type**
- SCMP API Field: No corresponding field
- Simple Order API Field: No corresponding field

validationInformation

The following fields provide validation information.

validationInformation. accountType

The bank account type.

Possible values:

- **BC**: Business checking
- **BI**: Business IRA
- **BS**: Business savings
- **CC**: Consumer checking
- **CI**: Consumer IRA
- **CS**: Consumer savings

Specifications

- Data Type: String
- Data Length: Enum

Mapping Information

- REST API Field: **validationInformation.accountType**
- SCMP API Field: **ecp_avs_account_type**
- Simple Order API Field: **ecAVSReply_accountType**

validationInformation. authorizationLevel

The requested party's authorization level for the account.

Valid values:

- **O**: Check cashing
- **S**: Signer
- **U**: Unknown

Specifications

- Data Type: String
- Data Length: Enum

Mapping Information

- REST API Field: **validationInformation.authorizationLevel**
- SCMP API Field: **ecp_avs_authorization_level**
- Simple Order API Field: **ecAVSReply_authorizationLevel**

validationInformation.bank.accountOwner.customerDataConditionCode

Indicates the status of the account owner data provided by the customer. Condition codes help provide context about the account owner and authorized signer data in the National Shared Database.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **validationInformation.bank.accountOwner.customerDataConditionCode**
- SCMP API Field: **ecp_avs_customer_data_condition_code**
- Simple Order API Field: **ecAVSReply_customerDataConditionCode**

validationInformation.bank.accountOwner.matchAddress

Indicates how closely the overall address (address line 1 and address line 2) in the request matches a National Shared Database record. Possible values:

- **Y**: The address information in the request closely or exactly matches a National Shared Database record.
- **C**: The address information in the request partially matches a National Shared Database record.
- **N**: The address information in the request does not match a National Shared Database record.
- **U**: No address information is available in the National Shared Database.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **validationInformation.bank.accountOwner.matchAddress**
- SCMP API Field: **ecp_avs_match_bill_address**
- Simple Order API Field: **ecAVSReply_matchBillToAddress**

validationInformation.bank.accountOwner. matchAdministrativeArea

Indicates how closely the state code in the request matches a National Shared Database record.

Possible values:

- **Y**: The state code in the request closely or exactly matches the information in a National Shared Database record.
- **C**: The state code in the request partially matches the information in a National Shared Database record.
- **N**: The state code in the request does not match the information in a National Shared Database record.
- **U**: The database contains the routing transit number is found in the database, but a state code is not available for the database record.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **validationInformation.bank.accountOwner.matchAdministrativeArea**

- SCMP API Field: **ecp_avs_match_bill_state**
- Simple Order API Field: **ecAVSReply_matchBillToState**

validationInformation.bank.accountOwner. matchCompanyName

Indicates how closely the business name in the request matches a National Shared Database record.

Possible values:

- **Y**: The value in the request closely or exactly matches a National Shared Database record.
- **C**: The value in the request partially matches a National Shared Database record.
- **N**: The value in the request does not match.
- **U**: No relevant data is available in the National Shared Database.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **validationInformation.bank.accountOwner.matchCompanyName**
- SCMP API Field: **ecp_avs_match_company_name**
- Simple Order API Field: **ecAVSReply_matchBillToCompany**

validationInformation.bank.accountOwner. matchCompanyPhoneNumber

Indicates how closely the business phone number in the request matches the National Shared Database record.

Possible values:

- **Y**: The home phone or work phone number in the request exactly matches a database record.
- **C**: The home phone or work phone number in the request is a close match but does not exactly match by one digit, or two correct digits have been transposed.
- **N**: The home phone or work phone number in the request does not match the database record. Two or more digits do not match.

- **U**: The routing transit number is in the database, but a home or work phone number is not available in the database record.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **validationInformation.bank.accountOwner.matchCompanyPhoneNumber**
- SCMP API Field: **ecp_avs_match_company_phone**
- Simple Order API Field: **ecAVSReply_matchBillToCompanyPhoneNumber**

validationInformation.bank.accountOwner. matchDateOfBirth

Indicates how closely the date of birth in the request matches the National Shared Database record.

Possible values:

- **Y**: The date of birth in the request exactly matches a database record.
- **C**: The year and month of the date of birth in the request match the database record, but the day of the month does not match
- **N**: The date of birth in the request does not match a database record. The year or month or both do not match.
- **U**: The routing transit number number is in the database, but a date of birth is not available in the database record.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **validationInformation.bank.accountOwner.matchDateOfBirth**
- SCMP API Field: **ecp_avs_match_date_of_birth**
- Simple Order API Field: **ecAVSReply_matchBillToDateOfBirth**

validationInformation.bank.accountOwner. matchFirstName

Indicates how closely the first name in the request matches the National Shared Database record.

Possible values:

- **Y**: The value in the request closely or exactly matches a record in the National Shared Database.
- **N**: The value in the request does not match a record in the National Shared Database.
- **U**: No first name data for this account is available in the National Shared Database.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **validationInformation.bank.accountOwner.matchFirstName**
- SCMP API Field: **ecp_avs_match_customer_first_name**
- Simple Order API Field: **ecAVSReply_matchBillToFirstName**

validationInformation.bank.accountOwner. matchFullName

How closely the full name matches the record in the National Shared Database.

Indicates how closely the full name (first name, middle name, and last name) in the request matches the National Shared Database record.

Possible values:

- **Y**: The value in the request closely or exactly matches a National Shared Database record.
- **C**: The value in the request conditionally (partially) matches a National Shared Database record.
- **N**: The value in the request does not match a National Shared Database record.
- **U**: No full name data for this account is available in the National Shared Database.

Specifications

- Data Type: String

- Data Length: 1

Mapping Information

- REST API Field: **validationInformation.bank.accountOwner.matchFullName**
- SCMP API Field: **ecp_avs_match_customer_full_name**
- Simple Order API Field: **ecAVSReply_matchBillToFullName**

validationInformation.bank.accountOwner. matchLastName

Indicates how closely the last name in the request matches the National Shared Database record.

Possible values:

- **Y**: The value in the request closely or exactly matches a National Shared Database record.
- **N**: The value in the request does not match a National Shared Database record.
- **U**: No last name data for this account is available in the National Shared Database.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **validationInformation.bank.accountOwner.matchLastName**
- SCMP API Field: **ecp_avs_match_customer_last_name**
- Simple Order API Field: **ecAVSReply_matchBillToLastName**

validationInformation.bank.accountOwner. matchLocality

Indicates how closely the city name in the request matches the National Shared Database record.

Possible values:

- **Y**: The city name in the request closely or exactly matches a National Shared Database record.
- **C**: The city name in the request partially matches a National Shared Database record.

- **N**: The city name in the request does not match a National Shared Database record.
- **U**: No city name information for this account is available in the National Shared Database.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **validationInformation.bank.accountOwner.matchLocality**
- SCMP API Field: **ecp_avs_match_bill_city**
- Simple Order API Field: **ecAVSReply_matchBillToCity**

validationInformation.bank.accountOwner. matchMiddleName

Indicates how closely the middle name in the request matches a National Shared Database record.

Possible values:

- **Y**: The value in the request closely or exactly matches a National Shared Database record.
- **N**: The value in the request does not match a National Shared Database record.
- **U**: No middle name data is available in the National Shared Database.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **validationInformation.bank.accountOwner.matchMiddleName**
- SCMP API Field: **ecp_avs_match_customer_middle_name**
- Simple Order API Field: **ecAVSReply_matchBillToMiddleName**

validationInformation.bank.accountOwner. matchNamePrefix

How closely the name prefix matches the National Shared Database record.
When a name prefix is included in the request, **U** is always returned.

Possible values:

- **U**: No data is available in the National Shared Database.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **validationInformation.bank.accountOwner.matchNamePrefix**
- SCMP API Field: **ecp_avs_match_customer_prefix**
- Simple Order API Field: **ecAVSReply_matchBillToPrefix**

validationInformation.bank.accountOwner. matchNameSuffix

How closely the name suffix matches the National Shared Database record.
When a name suffix is included in the request, **U** is always returned.

Possible values:

- **U**: No data is available in the National Shared Database.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **validationInformation.bank.accountOwner.matchNameSuffix**
- SCMP API Field: **ecp_avs_match_customer_suffix**
- Simple Order API Field: **ecAVSReply_matchBillToSuffix**

validationInformation.bank.accountOwner.matchPersonalIdentificationID

Indicates how closely the document identification number in the request matches the National Shared Database record.

Possible values:

- **Y**: The value in the request closely or exactly matches information in a National Shared Database record.
- **C**: The value in the request partially matches information in a National Shared Database record.
- **N**: The value in the request does not match information in a National Shared Database record.
- **U**: No personal identification ID data is available in the National Shared Database.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field:
validationInformation.bank.accountOwner.matchPersonalIdentificationID
- SCMP API Field: **ecp_avs_match_personal_id**
- Simple Order API Field: **ecAVSReply_matchPersonalID**

validationInformation.bank.accountOwner.matchPersonalIdentificationIssuedBy

Indicates how closely the issuer of the document in the request matches the National Shared Database record.

Possible values:

- **Y**: The value in the request closely or exactly matches information in a National Shared Database record.
- **N**: The value in the request does not match information in a National Shared Database record.
- **U**: No personal identification issued by data is available in the National Shared Database.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field:
validationInformation.bank.accountOwner.matchPersonalIdentificationIssuedBy
- SCMP API Field: **ecp_avs_match_personal_id_issued_by**
- Simple Order API Field: **ecAVSReply_matchPersonalIDIssuedBy**

validationInformation.bank.accountOwner. matchPersonalIdentificationType

Indicates how closely the type of identification in the request matches the National Shared Database record.

Possible values:

- **Y**: The value in the request closely or exactly matches information in a National Shared Database record.
- **C**: The value in the request partially matches information in a National Shared Database record.
- **N**: The value in the request does not match information in a National Shared Database record.
- **U**: No personal identification type data for this account is available in the National Shared Database.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field:
validationInformation.bank.accountOwner.matchPersonalIdentificationType
- SCMP API Field: **ecp_avs_match_personal_id_type**
- Simple Order API Field: **ecAVSReply_matchPersonalIDType**

validationInformation.bank.accountOwner. matchPhoneNumber

Indicates how closely the home phone number in the request matches the National Shared Database record.

Possible values:

- **Y**: The home or work phone number in the request exactly matches a database record.
- **C**: The home or work phone number in the request is a close match but does not exactly match by one digit, or two correct digits are transposed.
- **N**: The home or work phone number in the request does not match a database record. Two or more digits do not match.
- **U**: The routing transit number is in the database, but no home or work phone number is in the database record.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **validationInformation.bank.accountOwner.matchPhoneNumber**
- SCMP API Field: **ecp_avs_match_customer_phone**
- Simple Order API Field: **ecAVSReply_matchBillToPhoneNumber**

validationInformation.bank.accountOwner. matchSocialSecurityNumber

Indicates how closely the Social Security number in the request matches the National Shared Database record.

Possible values:

- **Y**: The identification number in the request exactly matches the database record.
- **C**: The identification number in the request is a close match but does not exactly match by one digit or two correct digits have been transposed.
- **N**: The identification number in the request does not match the database record. Two or more digits do not match.
- **U**: The routing transit number is found in the database, but no identification number is in the database record.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **validationInformation.bank.accountOwner.matchSocialSecurityNumber**
- SCMP API Field: **ecp_avs_match_bill_ssn**
- Simple Order API Field: **ecAVSReply_matchBillToSSN**

validationInformation.bank.accountOwner.matchTaxId

Indicates how closely the tax ID number in the request matches the National Shared Database record.

Possible values:

- **Y**: The tax identification number in the request exactly matches a database record.
- **C**: The tax identification number in the request is a close match but does not exactly match by one digit, or two correct digits have been transposed.
- **N**: The tax identification number in the request does not match a database record. Two or more digits do not match.
- **U**: The routing transit number is found in the database, but no tax identification number is in the database record.

Valid values for a four-digit tax ID are **Y, N, U**.

Valid values for a nine-digit tax ID are **Y, C, N, U**.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **validationInformation.bank.accountOwner.matchTaxId**
- SCMP API Field: **ecp_avs_match_bill_company_tax_id**
- Simple Order API Field: **ecAVSReply_matchBillToCompanyTaxID**

validationInformation.bank.accountOwner. matchPostalCode

Indicates how closely the postal code in the request matches the National Shared Database record.

Possible values:

- **Y**: The postal code in the request closely or exactly matches a National Shared Database record.
- **C**: The postal code in the request partially matches a National Shared Database record.
- **N**: The postal code in the request does not match a National Shared Database record.
- **U**: No postal code data for this account is available in the National Shared Database.

Specifications

- Data Type: String
- Data Length: 1

Mapping Information

- REST API Field: **validationInformation.bank.accountOwner.matchPostalCode**
- SCMP API Field: **ecp_avs_match_bill_zip**
- Simple Order API Field: **ecAVSReply_matchBillToPostalCode**

validationInformation.bank.accountOwner. overallMatchScore

Score designating how well the request data matches a database record.

The score is a measure of how closely the data values in the request match the information in a National Shared Database record. It is derived by compiling all of the data matches for the account information submitted for matching and includes name variations, abbreviations, spelling, phonetic encoding, and other matching algorithms.

Possible values range from 0 through 100.

A value of 81 or greater meets the criteria for a match.

Specifications

- Data Type: Integer
- Data Length: 1-3

Mapping Information

- REST API Field: **validationInformation.bank.accountOwner.overallMatchScore**
- SCMP API Field: **ecp_avs_overall_match_score**
- Simple Order API Field: **ecAVSReply_overallMatchScore**

validationInformation.bank.accountStatus.addedOrClosedDate

Date on which the bank account was added or closed.

For closed accounts, this is the date on which the account was closed. For added accounts, this is the date that the account was added to the National Shared Database. Format: YYYYMMDD.

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

- REST API Field: **validationInformation.bank.accountStatus.addedOrClosedDate**
- SCMP API Field: **ecp_avs_added_or_closed_date**
- Simple Order API Field: **ecAVSReply_addedOrClosedDate**

validationInformation.bank.accountStatus.additionalStatusCode

Additional status code for the customer's bank account.

The primary, secondary, and additional status codes are automatically determined by combining the bank account status with information provided by contributing financial institutions.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **validationInformation.bank.accountStatus.additionalStatusCode**

- SCMP API Field: **ecp_avs_additional_status_code**
- Simple Order API Field: **ecAVSReply_additionalStatusCode**

validationInformation.bank.accountStatus.fcraDisputeCode

Code indicating a dispute related to the Fair Credit Reporting Act (FCRA).
Possible value:

- **B9**: Consumer information includes a statement of dispute.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **validationInformation.bank.accountStatus.fcraDisputeCode**
- SCMP API Field: **ecp_avs_fcra_dispute_code**
- Simple Order API Field: **ecAVSReply_fcraDisputeCode**

validationInformation.bank.accountStatus.lastUpdateDate

Date on which the customer's bank account was most recently updated in the National Shared Database.

Format: YYYYMMDD

Specifications

- Data Type: String
- Data Length: 8

Mapping Information

- REST API Field: **validationInformation.bank.accountStatus.lastUpdateDate**
- SCMP API Field: **ecp_avs_previous_status_code**
- Simple Order API Field: **ecAVSReply_previousStatusCode**

validationInformation.bank.accountStatus.previousStatusCode

Status code for the customer's bank account before its most recent update in the National Shared Database.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **validationInformation.bank.accountStatus.previousStatusCode**
- SCMP API Field: **ecp_avs_previous_status_code**
- Simple Order API Field: **ecAVSReply_previousStatusCode**

validationInformation.bank.accountStatus.primaryStatusCode

Primary status code for the customer's bank account.

The primary, secondary, and additional status codes are automatically determined by combining the bank account status with information provided by contributing financial institutions.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **validationInformation.bank.accountStatus.primaryStatusCode**
- SCMP API Field: **ecp_avs_primary_status_code**
- Simple Order API Field: **ecAVSReply_primaryStatusCode**

validationInformation.bank.accountStatus.scoredAccountProcessorResponse1

Scored account processor response 1.

The value of the field indicates the reason for the score shown in the primary status code field.

This value is returned for scored accounts only. A scored account refers to a bank account residing at a financial institution that does not contribute to the National Shared Database. Scored Account Reason Codes 1-3 contain the primary reasons that contributed to the score value in the **validationInformation.bank.accountStatus.primaryStatusCode** field.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field:
validationInformation.bank.accountStatus.scoredAccountProcessorResponse1
- SCMP API Field: **ecp_avs_scored_account_processor_response1**
- Simple Order API Field: **ecAVSReply_scoredAccountProcessorResponse1**

validationInformation.bank.accountStatus.scoredAccountProcessorResponse2

Scored account processor response 2.

The value of the field indicates the reason for the score shown in the primary status code field.

This value is returned for scored accounts only. A scored account refers to a bank account residing at a financial institution that does not contribute to the National Shared Database. Scored Account Reason Codes 1-3 contain the primary reasons that contributed to the score value in the validationInformation.bank.accountStatus.primaryStatusCode field.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field:
validationInformation.bank.accountStatus.scoredAccountProcessorResponse2
- SCMP API Field: **ecp_avs_scored_account_processor_response2**
- Simple Order API Field: **ecAVSReply_scoredAccountProcessorResponse2**

validationInformation.bank.accountStatus.scoredAccountProcessorResponse3

Scored account processor response 3.

The value of the field indicates the reason for the score shown in the primary status code field.

This value is returned for scored accounts only. A scored account refers to a bank account residing at a financial institution that does not contribute to the National Shared Database. Scored Account Reason Codes 1-3 contain the primary reasons that contributed to the score value in the **validationInformation.bank.accountStatus.primaryStatusCode** field.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field:
validationInformation.bank.accountStatus.scoredAccountProcessorResponse3
- SCMP API Field: **ecp_avs_scored_account_processor_response3**
- Simple Order API Field: **ecAVSReply_scoredAccountProcessorResponse3**

validationInformation.bank.accountStatus.scoredAccountProcessorResponse5

Scored account processor response 5.

Used with scored accounts only. A scored account is a bank account residing at a financial institution that does not contribute to the National Shared Database. Reason code 5 represents the reason provided to the National Shared Database for one or more incoming returns.

Specifications

- Data Type: String
- Data Length: 2

Mapping Information

- REST API Field: **validationInformation.bank.accountStatus.scoredAccountProcessorResponse5**
- SCMP API Field: **ecp_avs_scored_account_processor_response5**
- Simple Order API Field: **ecAVSReply_scoredAccountProcessorResponse5**

validationInformation.bank.accountStatus.secondaryStatusCode

Secondary status code for the customer's bank account. The primary, secondary, and additional status codes are automatically determined by combining the bank account status with information provided by contributing financial institutions.

Specifications

- Data Type: String
- Data Length: 3

Mapping Information

- REST API Field: **validationInformation.bank.accountStatus.secondaryStatusCode**
- SCMP API Field: **ecp_avs_secondary_status_code**
- Simple Order API Field: **ecAVSReply_secondaryStatusCode**

validationInformation.calculatedResponse

Calculated response based on the business rules provided to Wells Fargo. Possible values:

- **Y**: Yes, the account matches your acceptance criteria.
- **N**: No, the account does not match your acceptance criteria.
- **U**: Unavailable. There is insufficient data in the National Shared Database to determine whether the account is valid.

Specifications

- Data Type: Enum
- Data Length: 1

Mapping Information

- REST API Field: **validationInformation.calculatedResponse**
- SCMP API Field: **ecAVSReply_calculatedResponse**
- Simple Order API Field: **ecp_avs_calculated_response**

validationInformation.referenceID

Reference ID generated to track each request. This ID is returned in the response header. The reference ID must be a UUID value compliant with RFC 4122.

Specifications

- Data Type: String
- Data Length: 36

Mapping Information

- REST API Field: **validationInformation.referenceID**
- SCMP API Field: **ecp_avs_reference_id**
- Simple Order API Field: **ecAVSReply_referenceID**

validationInformation.resultCode

The result code indicates whether high-focus items and duplicate items or participant score information or both are available (if applicable).

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **validationInformation.resultCode**
- SCMP API Field: **ecp_avs_result_code**
- Simple Order API Field: **ecAVSReply_resultCode**

validationInformation.transactionReason

Three-character code indicating the reason for the transaction.

This field is generated by combining payment requests such as eCheck debit or credit with AVS.

This field is mandatory for standalone AVS calls.

Possible values:

- **DEP**: Deposit.
- **ENR**: Enrollment for recurring payments.
- **PMT**: Payment.

Specifications

- Data Type: String
- Data Length: Enum

Mapping Information

- REST API Field: **validationInformation.transactionReason**
- SCMP API Field: **ecp_transaction_reason**
- Simple Order API Field: **check_transactionReason**

validationInformation.validationType

Type of account validation that you are requesting.

Possible values:

- **ACCOUNT STATUS (default)**
- **ACCOUNT OWNERSHIP**

If your account is enabled for account ownership, this field is required.

If your account is enabled for both ownership and status, this field is required whenever you request ownership.

Specifications

- Data Type: String
- Data Length: 17

Mapping Information

- REST API Field: **validationInformation.validationType**
- SCMP API Field: **ecp_avs_validation_type**

- Simple Order API Field: **ecAVSReply_validationType**

voidAmountDetails

The following fields provide void amount details.

voidAmountDetails. originalTransactionAmount

Amount of the original transaction.

Specifications

- Data Type: String
- Data Length: 15

Mapping Information

- REST API Fields:
 - **reversalAmountDetails.originalTransactionAmount**
 - **voidAmountDetails.originalTransactionAmount**
- SCMP API Field: **original_transaction_amount**
- Simple Order API Field: **originalTransaction_amount**

voidAmountDetails. voidAmount

Amount that was voided.

Specifications

- Data Type: String

- Data Length: 15

Mapping Information

- REST API Field: **voidAmountDetails.voidAmount**
- SCMP API Fields:
 - **pin_debit_reversal_auth_amount**
 - **void_void_amount**
- Simple Order API Fields:
 - **pinDebitReversalReply_amount**
 - **voidReply_amount**

voidAmountDetails. currency

Currency used for the order.

Specifications

- Data Type: String
- Data Length: 5

Mapping Information

- REST API Field: **voidAmountDetails.currency**
- SCMP API Field: **void_void_currency**
- Simple Order API Field: **voidReply_currency**

warning

Text and additional detail about an error for this transaction. Used with 3-D Secure 2.0. This field concatenates all of the fields from optional extensions that are contributing to the error. This error does not stop the transaction. Merchants should take corrective action to resolve the warning issue.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **warning**
- SCMP API Field: **pa_enroll_warning**
- Simple Order API Field: **payerAuthEnrollReply_warning**

watchlistScreeningInformation

The following fields provide watchlist screening information.

watchlistScreeningInformation. addressOperator

Customer information that must match an entry in the Denied Parties List (DPL).

Possible values:

- **AND**: (default) The customer's name or company and the customer's address must appear in the database.
- **OR**: The customer's name must appear in the database.
- **IGNORE**: You want the service to detect only a match of the customer's name or company but not of the address.

This field is used only when the **processingInformation.actionList** field contains the value **WATCHLIST_SCREENING**.

Specifications

- Data Type: String
- Data Length: 2,147,483,647

Mapping Information

- REST API Field: **watchlistScreeningInformation.addressOperator**
- SCMP API Field: **export_address_operator**
- Simple Order API Field: **exportService_addressOperator**

watchlistScreeningInformation.infoCodes[]

Returned when the Denied Parties List (DPL) check (first two codes) or the export service (all others) would have declined the transaction.

Possible values:

- **MATCH-DPC**: DPL match.
- **UNV-DPC**: DPL is unavailable.
- **MATCH-BCO**: Billing country is restricted.
- **MATCH-EMCO**: Email country is restricted.
- **MATCH-HCO**: Host name country is restricted.
- **MATCH-IPCO**: IP country is restricted.
- **MATCH-SCO**: Shipping country is restricted.

This field is used only when the **processingInformation.actionList** field contains the value **WATCHLIST_SCREENING**.

Specifications

- Data Type: Array of strings
- Data Length: 2,147,483,647

Mapping Information

- REST API Field: **watchlistScreeningInformation.infoCodes[]**
- SCMP API Field: **export_info**
- Simple Order API Field: **exportReply_infoCode**

watchlistScreeningInformation.ipCountryConfidence

Likelihood that the country associated with the customer's IP address was identified correctly.

A value between **1-100** is returned. **100** indicates the highest likelihood. If the country cannot be identified, the value is **-1**.

This field is used only when the **processingInformation.actionList** field contains the value **WATCHLIST_SCREENING**.

Specifications

- Data Type: Integer
- Data Length: 3

Mapping Information

- REST API Field: **watchlistScreeningInformation.ipCountryConfidence**
- SCMP API Field: **export_ip_country_confidence**
- Simple Order API Field: **exportReply_ipCountryConfidence**

watchlistScreeningInformation. proceedOnMatch

Indicates whether the transaction should proceed if there is a match in Watchlist Screening.

This is used when the merchant wants more fine-grained control over the declines. The merchant can also use the watchlist match results in the Decision Manager rule builder. Possible values:

- **true**: Transaction proceeds even when a match is found in the Denied Parties List. Any match is noted in the response.
- **false** (default): Normal watchlist screening behavior occurs. A match stops the transaction. When there is no match, the transaction proceeds.

Specifications

- Data Type: Boolean
- Data Length: 5

Mapping Information

- REST API Field: **watchlistScreeningInformation.proceedOnMatch**
- SCMP API Field: **ignore_export_result**
- Simple Order API Field: **businessRules_ignoreExportResult**

watchlistScreeningInformation. sanctionLists[]

Specifies which list(s) to check with the request.

The response includes the list name as well as the response data. To check against multiple lists, enter multiple list codes separated by carets (^).

This field is used only when the **processingInformation.actionList** field contains the value **WATCHLIST_SCREENING**.

Specifications

- Data Type: Array of strings
- Data Length: 2,147,483,647

Mapping Information

- REST API Field: **watchlistScreeningInformation.sanctionLists[]**
- SCMP API Field: **export_sanctions_lists**
- Simple Order API Field: **exportService_sanctionsLists**

watchlistScreeningInformation. watchList.matches[].addresses[]

Address was found on the matched sanction list for the entity (name and address) in the request.

This field is only used when the **processingInformation.actionList** field contains the value **WATCHLIST_SCREENING**.

Specifications

- Data Type: Array of strings
- Data Length: 2,147,483,647

Mapping Information

- REST API Field: **watchlistScreeningInformation.watchList.matches[].addresses[]**
- SCMP API Fields: **export_matchN_address1** to **export_matchN_addressN**
- Simple Order API Fields: **deniedPartiesMatch_N_address_0** through **deniedPartiesMatch_N_address_N**

watchlistScreeningInformation. watchList.matches[].aliases[]

Name found on the matched sanction list for the entity (name and address) in the request. This field is used only when the **processingInformation.actionList** field contains the value **WATCHLIST_SCREENING**.

Specifications

- Data Type: Array of strings

- Data Length: 2,147,483,647

Mapping Information

- REST API Field: **watchlistScreeningInformation.watchList.matches[].aliases[]**
- SCMP API Fields: **export_matchN_name1** to **export_matchN_nameN**
- Simple Order API Fields: **deniedPartiesMatch_N_name_0** through **deniedPartiesMatch_N_name_N**

watchlistScreeningInformation. watchList.matches[].programs[]

Sub-lists matched by the order data.

platform="rest" This field is only used when the **processingInformation.actionList** field contains the value **WATCHLIST_SCREENING**.

Specifications

- Data Type: Array of strings
- Data Length: 2,147,483,647

Mapping Information

- REST API Field: **watchlistScreeningInformation.watchList.matches[].programs[]**
- SCMP API Field: **export_matchN_programN**
- Simple Order API Field: **deniedPartiesMatch_N_program_N**

watchlistScreeningInformation. watchList.matches[].sanctionList

List on which the first Denied Parties List match appears.

This field is used only when the **processingInformation.actionList** field contains the value **WATCHLIST_SCREENING**.

Specifications

- Data Type: String
- Data Length: 255

Mapping Information

- REST API Field: **watchlistScreeningInformation.watchList.matches[].sanctionList**
- SCMP API Field: **export_matchN_list**
- Simple Order API Field: **deniedPartiesMatch_N_list**

watchlistScreeningInformation. weights.address

Degree of correlation between a customer's address and an entry in the Denied Parties List (DPL).

Possible values:

- **Exact**: The address must be identical to the entry in the DPL.
- **High**: The address cannot differ significantly from the entry in the DPL (default).
- **Medium**: The address can differ slightly more from the entry in the DPL.
- **Low**: The address can differ significantly from the entry in the DPL.

This field is used only when the **processingInformation.actionList** field contains the value **WATCHLIST_SCREENING**.

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

- REST API Field: **watchlistScreeningInformation.weights.address**
- SCMP API Field: **export_address_weight**
- Simple Order API Field: **exportService_addressWeight**

watchlistScreeningInformation. weights.company

Degree of correlation between a company name and an entry in the Denied Parties List (DPL).

Possible values:

- **Exact**: The company name must be identical to the entry in the DPL.
- **High**: The company name cannot differ significantly from the entry in the DPL (default).
- **Medium**: The company name can differ slightly more from the entry in the DPL.

- **Low**: The company name can differ significantly from the entry in the DPL.

This field is used only when the **processingInformation.actionList** field contains the value **WATCHLIST_SCREENING**.

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

- REST API Field: **watchlistScreeningInformation.weights.company**
- SCMP API Field: **export_company_weight**
- Simple Order API Field: **exportService_companyWeight**

watchlistScreeningInformation. weights.name

Degree of correlation between a customer's address and an entry in the Denied Parties List (DPL).

Possible values:

- **Exact**: The address must be identical to the entry in the DPL.
- **High**: The address cannot differ significantly from the entry in the DPL (default).
- **Medium**: The address can differ slightly more from the entry in the DPL.
- **Low**: The address can differ significantly from the entry in the DPL.

This field is used only when the **processingInformation.actionList** field contains the value **WATCHLIST_SCREENING**.

Specifications

- Data Type: String
- Data Length: 6

Mapping Information

- REST API Field: **watchlistScreeningInformation.weights.name**
- SCMP API Field: **export_name_weight**
- Simple Order API Field: **exportService_nameWeight**