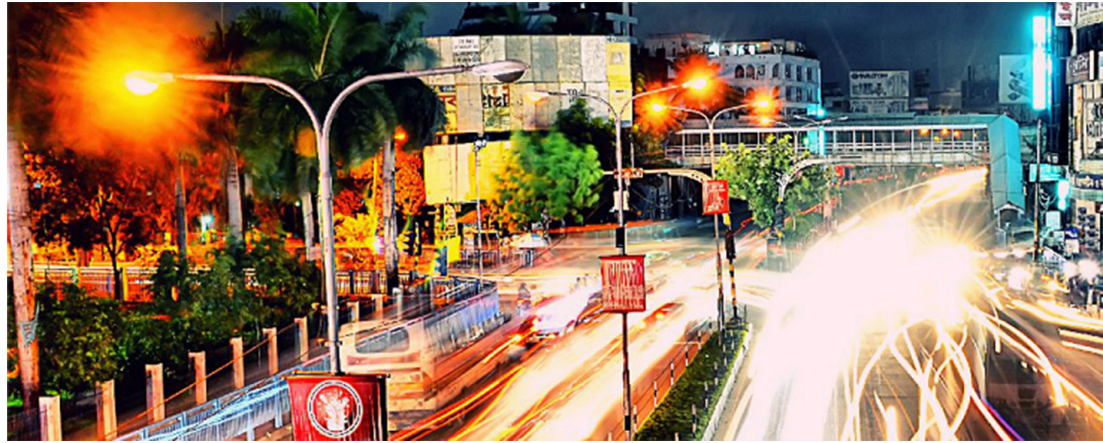


# Multibanco Services

SCMP API

# Developer Guide



© 2022. Cybersource Corporation. All rights reserved.

Cybersource Corporation (Cybersource) furnishes this document and the software described in this document under the applicable agreement between the reader of this document (You) and Cybersource (Agreement). You may use this document and/or software only in accordance with the terms of the Agreement. Except as expressly set forth in the Agreement, the information contained in this document is subject to change without notice and therefore should not be interpreted in any way as a guarantee or warranty by Cybersource. Cybersource assumes no responsibility or liability for any errors that may appear in this document. The copyrighted software that accompanies this document is licensed to You for use only in strict accordance with the Agreement. You should read the Agreement carefully before using the software. Except as permitted by the Agreement, You may not reproduce any part of this document, store this document in a retrieval system, or transmit this document, in any form or by any means, electronic, mechanical, recording, or otherwise, without the prior written consent of Cybersource.

### **Restricted Rights Legends**

For Government or defense agencies: Use, duplication, or disclosure by the Government or defense agencies is subject to restrictions as set forth the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013 and in similar clauses in the FAR and NASA FAR Supplement.

For civilian agencies: Use, reproduction, or disclosure is subject to restrictions set forth in subparagraphs (a) through (d) of the Commercial Computer Software Restricted Rights clause at 52.227-19 and the limitations set forth in Cybersource Corporation's standard commercial agreement for this software. Unpublished rights reserved under the copyright laws of the United States.

### **Trademarks**

Authorize.Net, eCheck.Net, and The Power of Payment are registered trademarks of Cybersource Corporation. Cybersource, Cybersource Payment Manager, Cybersource Risk Manager, Cybersource Decision Manager, and Cybersource Connect are trademarks and/or service marks of Cybersource Corporation. Visa, Visa International, Cybersource, the Visa logo, the Cybersource logo, and 3-D Secure are the registered trademarks of Visa International in the United States and other countries. All other trademarks, service marks, registered marks, or registered service marks are the property of their respective owners.

Version: 22.01

# Contents

- Recent Revisions to This Document..... 4**
- About This Guide..... 5**
- Introduction to Cash Payment Services..... 7**
  - Merchant Account Types..... 7
  - Supported Payment Methods..... 8
- Processing Multibanco Transactions..... 9**
  - Transaction Flow..... 9
    - Direct Merchant Flow..... 9
    - Redirect Flow..... 10
  - Performing a Sale..... 10
    - Export Compliance Service..... 11
  - Check the Status of a Payment..... 12
  - Testing..... 12
  - SCMP API Examples..... 13
- API Fields..... 15**
  - Formatting Restrictions..... 15
  - Data Type Definitions..... 15
  - Working with Multibyte Character Strings..... 16
  - SCMP API Fields..... 16
    - Request Fields..... 16
    - Response Fields..... 19
- Response Flags and Processor Response Codes..... 24**

# Recent Revisions to This Document

## 22.01

### **Vitesse**

Due to Cybersource no longer having a relationship with Vitesse, multiple sections were edited or removed.

Refunding a Payment and Processing Multibanco Refund sections were removed.

Edited **ap\_payment\_type**, **customer\_firstname**, **customer\_lastname**, **currency**, **customer\_ipaddress**, and **grand\_total\_amount**.

See ["Response Flags and Processor Response Codes"](#) (on page 24).

## 19.01

### **Refunds**

Updated the refunds chapter.

## 18.01

### **Refund Partner**

Added a new chapter about the Cybersource refund partner.

## 17.02

### **Response Flags**

Moved response flags and processor response codes to ["Response Flags and Processor Response Codes"](#) (on page 24).

## 17.01

### **Transaction Flow**

Updated the transaction flow information. See ["Transaction Flow"](#) (on page 9).

Added testing information. See ["Testing"](#) (on page 12).

# About This Guide


This section describes the audience and purpose of this guide as well as conventions and related documentation. See below information about how to use this guide and where to find further information.


## Audience and Purpose

This guide is for merchants who offer cash and offline payments to customers using the Multibanco payment method. It describes the tasks you must complete to make a sale and request the status of a payment. Its purpose is to help you provide a seamless payment experience for your customer.

## Conventions

The following 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 Support Center for complete technical documentation:

<https://www.cybersource.com/en-us/support/technical-documentation.html>

## Customer Support

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

<http://www.cybersource.com/support>

**Related information**

[API Field Reference for the SCMP API](#)

# Introduction to Cash Payment Services

A cash payment is an offline payment method that enables you to receive payments at stores, banks, and ATMs for e-commerce goods.

## Merchant Account Types

There are two types of Cybersource merchant accounts. For more information on each account type, contact your Cybersource sales representative.

- **Cybersource settlement services account**—this merchant account has no direct contract with a payment provider partner. The Cybersource Financial Settlement Partner (FSP) collects funds on your behalf and settles them to your merchant account.

 **Important:** Cybersource requests the export compliance service for every transaction using the Cybersource settlement services account. The export compliance service compares customer information to export control lists maintained by government agencies. If a customer's name appears on any government list, the transaction is declined.

To facilitate compliance checks for Cybersource settlement services accounts, you must send the following fields in your sale service requests:

- bill\_address1
- bill\_city
- bill\_country
- customer\_firstname
- customer\_lastname

If you do not send these fields, you might not receive errors in the Cybersource test environment but you will receive errors in the production environment.

- **Processor direct contract account**—this merchant account must use the payment provider selected by Cybersource. If you have existing direct contracts, you must inform your sales representative.

# Supported Payment Methods

The following table lists the supported payment methods available for processing cash payments.

## Payment Methods

Payment Method	Country	Services	Availability
Multibanco (see " <a href="#">Processing Multibanco Transactions</a> " (on page 9)).	Portugal	<ul style="list-style-type: none"><li>• Sale</li><li>• Check Status</li></ul>	Available for beta merchants.



# Processing Multibanco Transactions

Multibanco is an e-commerce payment system in Portugal that enables customers to pay for goods using an ATM or their bank account to make payments to your account.

## Transaction Flow

There are two possible transaction flows:

- Direct merchant flow. See "[Direct Merchant Flow](#)" (on page 9).
- Redirect flow. See "[Redirect Flow](#)" (on page 10).

## Direct Merchant Flow

1. Display the Multibanco payment method on your checkout page.
2. The customer chooses the Multibanco payment method.
3. Request the Cybersource **ics\_ap\_sale** service and include the customer's payment details.
4. Cybersource responds with a payment reference code in the `ap_sale_processor_transaction_id`. Ignore the merchant URL value included in the response.
5. Display the payment reference code and the information listed below on your checkout page for the customer.
  - Expiration date—three days after the payment is created.
  - Entity—contact customer support.
  - Amount—the value included in the sale request.
6. Request the Cybersource **ics\_ap\_check\_status** service every four hours until the payment status is [SETTLED](#) or [ABANDONED](#).

The transaction statuses are:

- [PENDING](#)—the payment was initiated. Do not ship the goods.
- [ABANDONED](#)—the expiration date of the product code has passed.
- [SETTLED](#)—the payment is complete. You can ship the goods.

Request the check status service every four hours until the status is [SETTLED](#) or [ABANDONED](#).

## Redirect Flow

1. Display the Multibanco payment method on your checkout page.
2. The customer chooses the Multibanco payment method.
3. Request the Cybersource **ics\_ap\_sale** service and include the customer's payment details.
4. Cybersource responds with a merchant URL to direct the customer to the Multibanco payment page for the payment code.
5. Request the Cybersource **ics\_ap\_check\_status** service every four hours until the payment status is [SETTLED](#) or [ABANDONED](#).

The transaction statuses are:


- [PENDING](#)—the payment was initiated. Do not ship the goods.
- [ABANDONED](#)—the customer did not complete the transaction before the expiration date.
- [SETTLED](#)—the payment failed. This status is returned in the sale service response.
- [FAILED](#)—the payment failed. Check the `ics_rmsg` field for the reason for the failure.

See "Response Flags and Processor Response Codes".

Request the check status service every hour until the status is [SETTLED](#) or [ABANDONED](#).

## Performing a Sale

When you use Cybersource settlement services, Cybersource settles funds from a Cybersource account to your individual merchant bank account.


 **Note:** To use Cybersource settlement services, you must sign a contract with Cybersource rather than with a payment method provider or a payment card company.

## Export Compliance Service

When you use a Cybersource settlement services account, Cybersource automatically requests the export compliance service for every transaction. Export compliance verifies customer information by comparing it to lists maintained by government agencies. If a customer's billing information appears on any government lists, the transaction is declined.

The export compliance service can cause customers to experience transaction errors.

- In the test environment, if you do not send customer billing information in the sale service request, there are no export compliance errors.
- In the production environment, if you do not send customer billing information in the sale service request, export compliance errors occur.

 **Important:** If you have a Cybersource settlement services account, you must send the following customer information in every sale service request: billTo\_firstNamecustomer\_firstname, billTo\_lastNamecustomer\_lastname, billTo\_citybill\_city, billTo\_street1bill\_address1, billTo\_countrybill\_country.

If you do not have a Cybersource settlement services account, you do not need to send customer billing data. For more information on CyberSource merchant accounts, see [Merchant Account Types \(on page 7\)](#).

## Perform a Sale

For detailed descriptions of all request and response fields, see ["API Fields" \(on page 15\)](#). For a sale example, see ["SCMP API Examples" \(on page 13\)](#).

1. Set the **ics\_applications** field to `ics_ap_sale`.
2. Include the following required fields:
  - **ap\_payment\_type**—set to `MLB`.
  - **bill\_address1**—required when your Cybersource account does not include this value.
  - **bill\_city**—required when your Cybersource account does not include this value.
  - **bill\_country**—required when your Cybersource account does not include this value.
  - **currency**
  - **customer\_email**—this is a required field.
  - **customer\_firstname**—required when your Cybersource account does not include this value.

- `customer_lastname`—required when your Cybersource account does not include this value.
  - `grand_total_amount`
  - **`merchant_id`**
  - `merchant_descriptor` — When using the redirect flow, the value of the field **`merchant_descriptor`** is displayed on the redirect page. Cybersource recommends setting this value to the name of your business.
  - **`merchant_ref_number`**
3. Set the **`ics_applications`** field to `ics_ap_sale`.
  4. You may include the following optional fields:
    - `billTo_city`— required when you have a Cybersource settlement and services account.
    - `customer_ipaddress` — required when you need to specify customer's IP address.

## Check the Status of a Payment

For detailed descriptions of all request and response fields, see "API Fields" (on page 15). For a check status example, see "SCMP API Examples" (on page 13).

1. Set the **`ics_applications`** field to `ics_ap_check_status`.
2. Include the following required fields:
  - `ap_check_status_request_id`—set to the value of the `request_id` field that was returned in the sale service response.
  - **`ap_payment_type`**—set to `MLB`.
  - **`merchant_id`**
  - **`merchant_ref_number`**

## Testing

For test transactions, send requests to the test server:


<http://ics2testa.ic3.com>

Multibanco has specific test values based on the following email addresses that are included in the sale request:

- status-116@hipay.com—sale response status is [PENDING](#) and the check status is [SETTLED](#).

 **Note:** The payment status updates to [SETTLED](#) 15 minutes after the initial sale service request.

- status-114@hipay.com—sale response status is [PENDING](#) and the check status is [ABANDONED](#).

 **Note:** The payment status updates to [ABANDONED](#) 15 minutes after the initial sale service request.

## SCMP API Examples

### Sale Request

```
ics_applications=ics_ap_sale
currency=EUR
bill_city=Reading
bill_country=GB
customer_address=1 The Street
customer_firstname=John
customer_lastname=Smith
customer_email=jsmith@example.com
merchant_descriptor=201702100959563
merchant_id=mid123
merchant_ref_number=ref1234
grand_total_amount=10.00
ap_payment_type=MLB
```

### Sale Response

```
request_token=AhjnrwSTB9nN6mAEXW+vohnRo6XDT/XIXpA6cQbgYZNJMvRiuK9
xSYPs5vUwAi631AA1xw0
currency=EUR
request_id=4867188149360179113903
ap_sale_response_code=00000
ap_sale_rflag=SOK
ap_sale_payment_status=pending
ap_sale_rcode=1
ap_sale_processor_transaction_id=503398505
```

```
ap_sale_merchant_url=https://stage-secure-gateway.hipay-tpp.com/  
gateway/forward/179bee9a4075e3be875a2a682230e151  
ap_sessions_trans_ref_no=80G6DY3AKNFG  
ap_sale_rmsg=Request was processed successfully.  
merchant_ref_number=ref1234  
ics_rflag=SOK  
ics_rmsg=Request was processed successfully.  
ics_rcode=1
```

## Check Status Request

```
ap_check_status_request_id=4867188149360179113903  
ics_applications=ics_ap_check_status  
ap_payment_type=MLB  
merchant_id=mid123  
merchant_ref_number=ref1234
```

## Check Status Response

```
ap_check_status_payment_status=pending  
ap_check_status_trans_ref_no=C3XMTV8dNU59  
ap_check_status_rcode=1  
ap_check_status_rmsg=Request was processed successfully.  
ap_check_status_rflag=SOK  
ics_rcode=1  
ics_rmsg=Request was processed successfully.  
ics_rflag=SOK  
request_id=4867188149360179113903  
request_token=AhjnrwSTBM+rupBGXLFplxkNnNsVKziLbpAeqMckwTPpBp6jRhJaQGBTz  
merchant_ref_number=refnum1234
```

# API Fields

## Formatting Restrictions

Unless otherwise noted, all fields are order and case insensitive and all fields accept special characters such as @, #, and %.

Values for request-level and offer-level fields must not contain carets (^) or colons (:). However, they can contain embedded spaces and any other printable characters. When you use more than one consecutive space, the extra spaces are removed.

For Moneris, values for request-level and offer-level fields must not contain these special characters: ampersands (&), single quotes ('), double quotes ("), less-than signs (<), and greater-than signs (>).

## Data Type Definitions

Data Type	Description
Date and time	Format is yyyy-MM-DDThhmmssZ  where: <ul style="list-style-type: none"><li>• T separates the date and the time.</li><li>• Z indicates Coordinated Universal Time (UTC), also known as Greenwich Mean Time (GMT).</li></ul> <b>Example:</b> 2021-01-11T224757Z is January 11, 2021, at 22:47:57 (10:47:57 p.m.).
Decimal	Number that includes a decimal point  <b>Example:</b> 23.45, -0.1, 4.0, 90809.0468
Integer	Whole number {..., -3, -2, -1, 0, 1, 2, 3, ...}
Nonnegative integer	Whole number greater than or equal to zero {0, 1, 2, 3, ...}
Positive integer	Whole number greater than zero {1, 2, 3, ...}
String	Sequence of letters, numbers, spaces, and special characters

# Working with Multibyte Character Strings

## Multibyte Characters

Some languages—such as Korean, Chinese, and Russian—require more than one ASCII byte per character. Therefore, a string of multibyte characters can exceed the allotted string length of some Cybersource API fields.

In some languages, a short name that has only three or four characters might be equivalent to 10 or 15 bytes in UTF-8. Therefore, it is important to consider the overall length of a multibyte string to be sure that it fits into the allotted ASCII string length.

For best success when working with languages, make sure that the total length of a multibyte string does not exceed the ASCII string length for a specific API field.

## SCMP API Fields

### Request Fields

#### Request Fields


Field Name	Description	Used By: Required (R) or Optional (O)	Data Type & Length
ap_check_status_request_id	Request ID of the sale transaction for which you want to check status.  Include the value of the request_id field that was returned in the sale service response.	Check Status (R)	String (26)
ap_payment_type	Identifier for the payment type. Possible values:  • <a href="#">MLB</a> : Multibanco	Sale (R)  Check Status (R)	String (3)
bill_address1	Customer's billing street address.	Sale (R when you have a Cybersource settlement)	String (60)



## Request Fields (continued)

Field Name	Description	Used By: Required (R) or Optional (O)	Data Type & Length
		and services account; otherwise, O)	
bill_city	Customer's billing city.	Sale (R when you have a Cybersource settlement and services account; otherwise, O)	String (50)
bill_country	Customer's billing country. Use the two-character <a href="#">ISO Standard Country Codes</a> .	Sale (R when you have a Cybersource settlement and services account; otherwise, O)	String (2)
bill_state	Customer's billing state or province. Use the <a href="#">State, Province, and Territory Codes for the United States and Canada</a> .	Sale (O)	String (2)
currency	Currency used for the order. Possible value:  • <a href="#">EUR</a> : Multibanco	Sale (R)	String (5)
customer_email	Customer's email address, including the full domain name.	Sale (R)	String (255)
customer_firstname	Customer's first name.	Sale (R when you have a Cybersource settlement and services account; otherwise, O)	String (60)
customer_ipaddress	Customer's IP address.	Sale (O)	String (15)
customer_lastname	Customer's last name.	Sale (R when you have a Cybersource	String (60)

## Request Fields (continued)

Field Name	Description	Used By: Required (R) or Optional (O)	Data Type & Length
		settlement and services account; otherwise, O)	
grand_total_amount	<p>Grand total for the order. This value cannot be negative. You can include a decimal point (.), but you cannot include any other special characters. Cybersource truncates the amount to the correct number of decimal places.</p> <div style="background-color: #f0f0f0; padding: 5px; border: 1px solid #ccc;"> <p> <b>Important:</b> You must include either grand_total_amount or offer0, the offer-level field amount and the offer-level field tax_amount in your request.</p> </div>	Sale (R)	Decimal (15)
ics_applications	<p>Cybersource services to process for the request:</p> <ul style="list-style-type: none"> <li>• <a href="#">ics_ap_sale</a></li> <li>• <a href="#">ics_ap_check_status</a></li> <li>• <a href="#">ics_ap_refund</a></li> </ul>	Required for each specific service request.	String (255)
merchant_descriptor	Description displayed on the customer's statement. When you include more than one consecutive space, extra spaces are removed.	Sale (R)	String (35)
merchant_id	Your Cybersource merchant ID. Use the same merchant ID for evaluation, testing, and production.	Required for all service requests.	String (30)
merchant_ref_number	Merchant-generated order reference or tracking number. Cybersource recommends that you send a unique value for	Required for all service requests.	String (50)

## Request Fields (continued)

Field Name	Description	Used By: Required (R) or Optional (O)	Data Type & Length
	each transaction so that you can perform meaningful searches for the transaction.		

## Response Fields

### Response Fields

Field Name	Description	Returned By:	Data Type & Length
ap_check_status_payment_status	<p>Description of the payment status.</p> <p>Possible values:</p> <ul style="list-style-type: none"> <li>• <b>ABANDONED</b>: Customer did not confirm the payment within a specific time frame, or the customer canceled the payment.</li> <li>• <b>FAILED</b>: Payment failed.</li> <li>• <b>PENDING</b>: Payment was initiated. Do not ship the goods.</li> <li>• <b>SETTLED</b>: Payment is complete and the funds will be settled in your account. Ship the goods.</li> </ul>	Check Status	String (15)
ap_check_status_rcode	<p>One-digit response code that indicates whether the ics_ap_check_status request was successful. Possible values:</p> <ul style="list-style-type: none"> <li>• <b>-1</b>: An error occurred</li> <li>• <b>0</b>: The request was declined</li> </ul>	Check Status	Integer (1)

## Response Fields (continued)

Field Name	Description	Returned By:	Data Type & Length
	<ul style="list-style-type: none"> <li>• <b>1</b>: The request was successful</li> </ul>		
ap_check_status_response_code	Response code from the processor. Possible values: 00000–99999. See "Response Flags and Processor Response Codes".	Check Status	Integer (5)
ap_check_status_rflag	One-word description of the result of the ics_ap_check_status request. See "Response Flags and Processor Response Codes".	Check Status	String (50)
ap_check_status_rmsg	Message explaining the response code ap_check_status_rflag. See "Response Flags and Processor Response Codes".	Check Status	String (255)
ap_check_status_trans_ref_no	Reference number that you use to reconcile your Cybersource reports with your reports. For more information about tracking orders, see Getting Started with Cybersource Advanced for the SCMP API ( <a href="#">PDF</a>   <a href="#">HTML</a> ).	Check Status	String (60)
ap_refund_payment_status	Refund status from the processor.  Possible values: <ul style="list-style-type: none"> <li>• <b>REFUNDED</b>: Refund was processed successfully.</li> <li>• <b>PENDING</b>: Refund is pending.</li> <li>• <b>FAILED</b>: Refund failed.</li> </ul>	Refund	String (15)
ap_refund_rcode	One-digit response code that indicates whether the refund request was successful. Possible values: <ul style="list-style-type: none"> <li>• <b>-1</b>: An error occurred</li> <li>• <b>0</b>: The request was declined</li> <li>• <b>1</b>: The request was successful</li> </ul>	Refund	Integer (1)

## Response Fields (continued)

Field Name	Description	Returned By:	Data Type & Length
ap_refund_response_code	Response code from the processor. Range of values: 00000–99999. See "Response Flags and Processor Response Codes".	Refund	Integer (5)
ap_refund_rflag	One-word description of the result of the refund request. See "Response Flags and Processor Response Codes".	Refund	String (50)
ap_refund_rmsg	Message explaining the response code. See "Response Flags and Processor Response Codes".	Refund	String (255)
ap_refund_trans_ref_no	Reference number that you use to reconcile your Cybersource reports with your reports. For more information about tracking orders, see Getting Started with Cybersource Advanced for the SCMP API ( <a href="#">PDF</a>   <a href="#">HTML</a> ).	Refund	String (60)
ap_sale_merchant_url	URL for redirecting the customer for processing the payment.  Cybersource recommends opening the URL in a new browser window and including the URL in an email to the customer. Explain to the customer that when the product code expires, the transaction cannot be completed.	Sale	String (2048)
ap_sale_payment_status	Description of the payment status. Possible values: <ul style="list-style-type: none"> <li>• <b>PENDING</b>: Payment has not yet been processed.</li> <li>• <b>FAILED</b>: Payment failed because required fields are missing or invalid.</li> </ul>	Sale	String (15)
ap_sale_processor_transaction_id	Transaction ID assigned by the processor.	Sale	String (50)

## Response Fields (continued)

Field Name	Description	Returned By:	Data Type & Length
ap_sale_rcode	Indicates whether the service request was successful. Possible values: <ul style="list-style-type: none"> <li>• -1: An error occurred.</li> <li>• 0: The request was declined.</li> <li>• 1: The request was successful.</li> </ul>	Sale	Integer (1)
ap_sale_response_code	Response code from the processor.  Range of values: 00000–99999. See "Response Flags and Processor Response Codes".	Sale	Integer (5)
ap_sale_rflag	If ics_ap_sale is unsuccessful, this field contains a one-word description of the error. See "Response Flags and Processor Response Codes".	Sale	String (50)
ap_sale_rmsg	Message explaining the response code ap_sale_rcode. See "Response Flags and Processor Response Codes".	Sale	String (255)
ap_sale_trans_ref_no	Transaction reference number that was used for the transaction.	Sale	String (60)
currency	Currency used for the order. Possible values: <ul style="list-style-type: none"> <li>• <a href="#">EUR</a>: Multibanco</li> </ul>	Sale	String (5)
ics_rcode	Indicates whether the entire request was successful. Possible values: <ul style="list-style-type: none"> <li>• -1: An error occurred.</li> <li>• 0: The request was declined.</li> <li>• 1: The request was successful.</li> </ul>	All services.	Integer (1)

**Response Fields (continued)**

<b>Field Name</b>	<b>Description</b>	<b>Returned By:</b>	<b>Data Type &amp; Length</b>
ics_rflag	If the request is unsuccessful, this field contains a one-word description of the error. See "Response Flags and Processor Response Codes".	All services.	String (50)
ics_rmsg	Message explaining the response code ics_rcode. See "Response Flags and Processor Response Codes".	All services.	String (255)
merchant_ref_number	Order reference or tracking number that you provided in the request. If you included multi-byte characters in this field in the request, the returned value might include corrupted characters.	All services.	String (50)
request_id	Identifier for the request generated by the client.	All services.	String (26)
request_token	Request token data created by Cybersource for each response. The field is an encoded string that contains no confidential information such as an account or card verification number. The string can contain a maximum of 256 characters.	All services.	String (256)

# Response Flags and Processor Response Codes

**! Important:** Cybersource recommends using the response flag value and the processor response code to determine the transaction result.

The following table describes the reason codes and processor response codes returned by the SCMP API for cash payments services. See [Getting Started with Cybersource Advanced for the SCMP API](#) for a discussion of replies and response flags.

## Response Flags and Processor Response Codes

Response Flag	Processor Response Code	Description
DINVALIDDATA	<ul style="list-style-type: none"> <li>• 10000—status: failed.</li> <li>• 30600—status: failed.</li> <li>• 30700—status: failed.</li> </ul>	<p>Invalid request.</p> <p>Possible reasons:</p> <ul style="list-style-type: none"> <li>• The request data is invalid.</li> </ul> <p>Processor declined the transaction due to tax errors or government compliance errors.</p>
ESYSTEM	<ul style="list-style-type: none"> <li>• 20000—status: failed.</li> <li>• 20001—status: failed.</li> <li>• 20002—status: failed.</li> <li>• 30000—status: failed.</li> <li>• 30100—status: failed.</li> </ul>	<p>Possible reasons:</p> <ul style="list-style-type: none"> <li>• The signature was not included in the HTTP header.</li> <li>• The signature in the HTTP header has expired, or it is not a valid signature.</li> </ul> <p>The API version in the HTTP header was missing or is not supported.</p>
SOK	<ul style="list-style-type: none"> <li>• 00001—status: pending.</li> <li>• 00002—status: abandoned.</li> <li>• 00003—status: authorized</li> </ul>	<p>Transaction was successful.</p>



### Response Flags and Processor Response Codes (continued)

Response Flag	Processor Response Code	Description
	<ul style="list-style-type: none"><li>• 00004—status: settled.</li></ul>	