

BIN Lookup Service

Using the SCMP API

April 2019

CyberSource[®]
the power of payment

CyberSource Contact Information

For general information about our company, products, and services, go to <http://www.cybersource.com>.

For sales questions about any CyberSource Service, email sales@cybersource.com or call 650-432-7350 or 888-330-2300 (toll free in the United States).

For support information about any CyberSource Service, visit the Support Center at <http://www.cybersource.com/support>.

Copyright

© 2019 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 Unpublished rights reserved under the copyright laws of the United States.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.

All other brands and product names are trademarks or registered trademarks of their respective owners.

Contents

Recent Revisions to This Document 5

About This Guide 6

Audience 6

Conventions 6

Related Documents 7

Customer Support 7

Chapter 1 **Obtaining Information About a Card** 8

Requirement and Limitation 8

BIN Lookup Requests 8

 Creating a BIN Lookup Request 8

Debit Network Array Reply Fields 9

Appendix A **API Fields** 10

Data Type Definitions 10

Request Fields 11

Reply Fields 12

Card Brands Reply Fields 18

Appendix B **Examples** 19

Appendix C **Card Types** 22

Appendix D [Network IDs and Network Order Codes](#) 23

Appendix E [Numeric Country and Currency Codes](#) 24

Appendix F [Reply Flags](#) 33

Recent Revisions to This Document

Release	Changes
April 2019	<p>Added a limitation. See "Requirement and Limitation," page 8.</p> <p>Updated the process for creating the BIN lookup request. See "Creating a BIN Lookup Request," page 8.</p> <p>Updated the description for the bin_lookup_mode field. See "Request Fields," page 11</p>
February 2019	<p>Updated the description for the card_product_category reply field. See "Reply Fields," page 12.</p>
September 2018	<p>Moved the information about card brands reply fields to a new section. See "Card Brands Reply Fields," page 18.</p> <p>Updated the descriptions for the following reply fields. See "Reply Fields," page 12.</p> <ul style="list-style-type: none"> ■ card_oct_block_indicator ■ card_oct_fast_funds_indicator
August 2018	<p>Changed "sharing group order" to "network order" in Appendix D, "Network IDs and Network Order Codes," on page 23.</p>
June 2018	<p>Added the following new reply fields. See "Reply Fields," page 12.</p> <ul style="list-style-type: none"> ■ card_brands#:name ■ card_brands#:type
January 2018	<p>Added the network_order request field. See "Request Fields," page 11</p> <p>Added the following new reply fields. See "Reply Fields," page 12.</p> <ul style="list-style-type: none"> ■ aft_domestic_indicator ■ card_type_name ■ network#:aft_cross_border_indicator ■ network#:aft_domestic_indicator ■ network#:oct_cross_border_indicator ■ network#:oct_domestic_indicator ■ network#:network_id ■ network#:network_order ■ oct_cross_border_indicator ■ oct_domestic_indicator

About This Guide

Audience

This guide is written for application developers who want to use the CyberSource BIN lookup service to obtain information about a payment card based on the card account number.



A *bank identification number* (BIN) is a number assigned by a payment card company that identifies a specific bank or issuer. The BIN is the first six digits on a payment card.

Conventions

The following special statements are used in this document:



A *Note* contains helpful suggestions or references to material not contained in this document.



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

The following text conventions are used in this document:

Convention	Usage
bold	Field and service names in text; for example: Include the ics_applications field.
Screen text	<ul style="list-style-type: none">■ XML elements■ Code examples■ Values for API fields; for example: Set the ics_applications field to <code>ics_bin_lookup</code>.

Related Documents

Payouts Using the SCMP API describes how to integrate CyberSource Payouts services. ([PDF](#) | [HTML](#))

Refer to the Support Center for complete CyberSource technical documentation:

http://www.cybersource.com/support_center/support_documentation

Customer Support

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

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

Obtaining Information About a Card

Requirement and Limitation

To enable BIN lookup, contact CyberSource Customer Support to have your account configured for this feature.

BIN lookup is supported only with Payouts. For more information about Payouts, see *Payouts Using the SCMP API* ([PDF](#) | [HTML](#)).

BIN Lookup Requests

The bank identification number (BIN) lookup service provides information about a payment card account based on first six digits of the account number.

Creating a BIN Lookup Request

- Step 1** Set the `ics_applications` field to `ics_bin_lookup`.
- Step 2** Do not include any other services in the request.
- Step 3** Include the following required fields in the request:
 - `bin_lookup_mode`—set to `P` for Payouts.
 - `customer_cc_number`
 - `merchant_id`
 - `merchant_ref_number`

See [Appendix A, "API Fields,"](#) on page 10 for:

- Detailed descriptions of these required request fields
 - Reply fields
-

Debit Network Array Reply Fields

The debit network arrays provide information about the debit networks that the issuing bank supports for AFT and OCT transactions for the card. The BIN lookup reply message includes one or more debit network arrays when the issuing bank supports one or more debit networks for the card.

The following API fields can be returned in the reply message:

- network#:aft_cross_border_indicator
- network#:card_aft_domestic_indicator
- network#:oct_cross_border_indicator
- network#:network_id
- network#:oct_domestic_indicator
- network#:network_order

For additional information see ["Reply Fields," page 12](#).

Data Type Definitions

Table 1 Data Type Definitions

Data Type	Description
Date and time	Format is YYYY-MM-DDThhmmssZ, where: <ul style="list-style-type: none">■ T separates the date and the time■ Z indicates Coordinated Universal Time (UTC), also known as Greenwich Mean Time (GMT) Example 2018-08-11T224757Z equals August 11, 2018, at 22:47:57 (10:47:57 p.m.)
Decimal	Number that includes a decimal point Example 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

Request Fields

Table 2 Request Fields

Field	Description	Used By: Required (R) or Optional (O)	Data Type & Length
bin_lookup_mode	Range of data you are requesting from the BIN lookup service. Possible value: P: Data about support for pushing funds to the account using CyberSource Payouts.	ics_bin_lookup (R)	String (1)
client_lib_version	Version of the client library used to request the transaction.	All CyberSource services	String (50)
customer_cc_number	Customer's payment card number. Minimum number of digits required is 4 digits and the maximum is the full PAN.	ics_bin_lookup (R)	String with numbers only (See the field description.)
ics_applications	CyberSource services to process for the request. At least one service must be specified in the request. To request the BIN lookup service, set the value for this field to <code>ics_bin_lookup</code> .	Required for all CyberSource services.	String (255)
merchant_id	Your CyberSource merchant ID. Use the same merchant ID for evaluation, testing, and production.	Required for all CyberSource services.	String (30)
merchant_ref_number	Your generated order reference or tracking number. CyberSource recommends that you send a unique value for each transaction so that you can perform meaningful searches for the transaction. For information about tracking orders, see Getting Started with CyberSource Advanced for the SCMP API .	Required for all CyberSource services.	String (50)
network_order	Network order codes for networks you would like to receive information about. See Appendix D, "Network IDs and Network Order Codes," on page 23 for additional information. If you do not include this field in the request, CyberSource uses the information from your CyberSource account.	ics_bin_Lookup (O)	String (4)

Reply Fields

Table 3 Reply Fields

Field	Description	Returned By	Data Type & Length
bin_lookup_rcode	<p>Indicates whether the service request was successful. Possible values:</p> <ul style="list-style-type: none"> ■ -1: An error occurred. ■ 0: The request was declined. ■ 1: The request was successful. <p>This field can be returned for mode A and mode P.</p>	ics_bin_lookup	Integer (1)
bin_lookup_request_time	<p>Time in UTC when the BIN lookup was requested. See "Data Type Definitions," page 10 for the field's format.</p> <p>This field can be returned for mode A and mode P.</p>	ics_bin_lookup	Date and time (20)
bin_lookup_rflag	<p>One-word description of the result of the ics_bin_lookup request. See Appendix F, "Reply Flags," on page 33.</p> <p>This field can be returned for mode A and mode P.</p>	ics_bin_lookup	String (50)
bin_lookup_rmsg	<p>Message that explains the reply flag bin_lookup_rflag. Do not display this message to the customer, and do not use this field to write an error handler.</p> <p>This field can be returned for mode A and mode P.</p>	ics_bin_lookup	String (255)
card_billing_currency	<p>Cardholder's billing currency. For the possible values, see <i>ISO Standard Currency Codes</i>.</p> <p>This field can be returned for mode A and mode P.</p>	ics_bin_lookup	String (3)
card_billing_currency_minor_digits	<p>Number of decimal positions for amounts in the cardholder's billing currency.</p> <p>This field can be returned for mode A and mode P.</p>	ics_bin_lookup	String (1)
card_brands#:name	<p>For a co-badged payment card, the sequentially numbered names of the payment card brands. See "Card Brands Reply Fields," page 18.</p>	ics_bin_lookup	String (100)
card_brands#:type	<p>For a co-badged payment card, the sequentially numbered card types for the payment card brands. See "Card Brands Reply Fields," page 18.</p>	ics_bin_lookup	String (32)

Table 3 Reply Fields (Continued)

Field	Description	Returned By	Data Type & Length
card_cross_border_indicator	<p>Indicates whether cross-border transactions are supported. <i>Cross border</i> means that the issuer and acquirer are in different countries. Possible values:</p> <ul style="list-style-type: none"> ■ Y: Supported ■ N: Not supported <p>This field can be returned for mode A only.</p>	ics_bin_lookup	String (1)
card_level_2_eligible	<p>Indicates whether Level II transactions are supported. Possible values:</p> <ul style="list-style-type: none"> ■ Y: Supported ■ N: Not supported <p>This field can be returned for mode A only.</p>	ics_bin_lookup	String (1)
card_level_3_eligible	<p>Indicates whether Level III transactions are supported. Possible values:</p> <ul style="list-style-type: none"> ■ Y: Supported ■ N: Not supported <p>This field can be returned for mode A only.</p>	ics_bin_lookup	String (1)
card_oct_block_indicator	<p>Indicates whether the account can receive Visa Direct transactions. Possible values:</p> <ul style="list-style-type: none"> ■ A: Accepts Visa Direct transactions. ■ B: Accepts Visa Direct transactions. ■ C: Accepts Visa Direct transactions. ■ N: Does not accept Visa Direct transactions. <p>This field can be returned for mode A and mode P. For information about Visa Direct, see Payouts Using the SCMP API.</p>	ics_bin_lookup	String (1)
card_oct_fast_funds_indicator	<p>Indicates the issuer's level of support for Fast Funds transactions. A Fast Funds transaction makes funds available to the recipient within 30 minutes. An issuer that supports original credit transactions (OCTs) but not Fast Funds transactions makes funds available within two business days.</p> <ul style="list-style-type: none"> ■ B: Issuer supports Fast Funds for all transactions. ■ D: Issuer supports Fast Funds only for domestic transactions. ■ N: Issuer does not support Fast Funds. <p>This field can be returned for mode A and mode P.</p>	ics_bin_lookup	String (1)

Table 3 Reply Fields (Continued)

Field	Description	Returned By	Data Type & Length
card_online_gambling_block_indicator	<p>Indicates whether the account can receive original credit transactions (OCTs) for gambling transactions. Possible values:</p> <ul style="list-style-type: none"> ■ Y: Original credit transactions (OCTs) for gambling transactions are blocked. ■ N: Original credit transactions (OCTs) for gambling transactions are not blocked. <p>This field can be returned for mode A and mode P.</p>	ics_bin_lookup	String (1)
card_product_category	<p>Category of product, such as business, commercial, or consumer.</p> <p>This field can be returned for mode A only.</p>	ics_bin_lookup	String (no maximum length)
card_sub_type	<p>Kind of card, such as:</p> <ul style="list-style-type: none"> ■ Charge ■ Credit ■ Credit/debit ■ Debit ■ Deferred debit ■ Prepaid <p>This field can be returned for mode A and mode P.</p>	ics_bin_lookup	String (no maximum length)
card_type	<p>Three-digit value that indicates the card type. For the possible values, see Appendix C, "Card Types," on page 22.</p> <p>This field can be returned for mode A only.</p>	ics_bin_lookup	String (3)
card_type_name	<p>Name of the card type.</p> <p>This field can be returned for mode A only.</p>	ics_bin_lookup	String (50)
client_lib_version	<p>Version of the client library used to request the transaction.</p> <p>This field can be returned for mode A and mode P.</p>	All CyberSource services	String (50)
ics_rcode	<p>Indicates whether the entire request was successful. Possible values:</p> <ul style="list-style-type: none"> ■ -1: An error occurred. ■ 0: The request was declined. ■ 1: The request was successful. <p>This field can be returned for mode A and mode P.</p>	All CyberSource services	Integer (1)

Table 3 Reply Fields (Continued)

Field	Description	Returned By	Data Type & Length
ics_rflag	One-word description of the result of the entire request. See Appendix F, "Reply Flags," on page 33 . This field can be returned for mode A and mode P.	All CyberSource services	String (50)
ics_rmsg	Message that explains the reply flag ics_rflag . Do not display this message to the customer, and do not use this field to write an error handler. This field can be returned for mode A and mode P.	All CyberSource services	String (255)
issuer_country	Country of the issuing bank. For the possible values, see ISO Standard Country Codes . This field can be returned for mode A and mode P.	ics_bin_lookup	String (2)
issuer_country_numeric_code	Three-digit numeric ISO code for the issuer's country. See Appendix E, "Numeric Country and Currency Codes," on page 24 . This field can be returned for mode A and mode P.	ics_bin_lookup	String (3)
issuer_name	Bank that issued the card, such as Bank of America, Chase, or Wells Fargo. This field can be returned for mode A and mode P.	ics_bin_lookup	String (no maximum length)
issuer_phone_number	Customer service phone number for the issuing bank. This field can be returned for mode A only.	ics_bin_lookup	String (no maximum length)
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 contain corrupted characters. This field can be returned for mode A and mode P.	ics_bin_lookup	String (50)
network#:aft_cross_border_indicator	Indicates whether cross-border AFT transactions are supported on network specified by the network ID value. <i>Cross border</i> means that the issuer and acquirer are in different countries. Possible values: <ul style="list-style-type: none"> ■ Y: Supported ■ N: Not supported This field is returned only for debit networks that are supported for the card number submitted in the request. This field can be returned for mode A and mode P.	ics_bin_lookup	String (1)

Table 3 Reply Fields (Continued)

Field	Description	Returned By	Data Type & Length
network#:aft_domestic_indicator	<p>Indicates whether domestic AFT transactions are supported on network specified by the network ID value. <i>Domestic</i> means that the issuer and acquirer are in the same country. Possible values:</p> <ul style="list-style-type: none"> ■ Y: Supported ■ N: Not supported <p>This field is returned only for debit networks that are supported for the card number submitted in the request.</p> <p>This field can be returned for mode A and mode P.</p>	ics_bin_lookup	String (1)
network#:network_id	<p>Network identifier for the related elements in the array. See Appendix D, "Network IDs and Network Order Codes," on page 23 for additional information.</p> <p>This field is returned only for debit networks that are supported for the card number submitted in the request.</p> <p>This field can be returned for mode A and mode P.</p>	ics_bin_lookup	String (4)
network#:network_order	<p>One or more codes that indicate which networks are supported for the card.</p> <p>This field can be returned for mode A and mode P.</p>	ics_bin_lookup	String (5)
network#:oct_cross_border_indicator	<p>Indicates whether cross-border OCT transactions are supported on network specified by the network ID value. <i>Cross border</i> means that the issuer and acquirer are in different countries. Possible values:</p> <ul style="list-style-type: none"> ■ Y: Supported ■ N: Not supported <p>This field is returned only for debit networks that are supported for the card number submitted in the request.</p> <p>This field can be returned for mode A and mode P.</p>	ics_bin_lookup	String (1)

Table 3 Reply Fields (Continued)

Field	Description	Returned By	Data Type & Length
network#:oct_domestic_ indicator	<p>Indicates whether domestic OCT transactions are supported on network specified by the network ID value. <i>Domestic</i> means that the issuer and acquirer are in the same country. Possible values:</p> <ul style="list-style-type: none"> ■ Y: Supported ■ N: Not supported <p>This field is returned only for debit networks that are supported for the card number submitted in the request.</p> <p>This field can be returned for mode A and mode P.</p>	ics_bin_lookup	String (1)
request_id	<p>Identifier for the request.</p> <p>This field can be returned for mode A and mode P.</p>	ics_bin_lookup	String (26)

Card Brands Reply Fields

Card brands reply fields are constructed the same way offers are constructed. The **name** and **type** fields described in [Table 4](#) provide name and card type information for a co-badged card.



Note

A co-badged card is not the same as a co-branded card:

- A *co-badged* card supports two or more card types, such as Visa and Cartes Bancaires.
- A *co-branded* card is sponsored by an issuing bank and a retail merchant.

Table 4 Card Brands Reply Fields

Field	Description	Data Type & Length
name	For a co-badged payment card, the sequentially numbered names of the payment card brands.	String (100)
type	For a co-badged payment card, the sequentially numbered card type values for the payment card brands.	String (32)

[Example 1](#) shows card brand reply fields for a card that is co-badged with the Visa and Cartes Bancaires card types.

Example 1 Card Brands Reply Fields

```
card_brands1=name:Visa^type:001
card_brands2=name:Cartes Bancaires^type:036
```

Examples

Example 2 BIN Lookup Request

```
customer_cc_number=4111111111111111  
ics_applications=ics_bin_lookup  
merchant_id=Napa Valley Vacations  
merchant_ref_number=ABCDE12345  
network_order=ECG
```

Example 3 BIN Lookup Request Using Optional Mode A

```
customer_cc_number=4111111111111111  
ics_applications=ics_bin_lookup  
merchant_id=Napa Valley Vacations  
merchant_ref_number=ABCDE12345  
bin_lookup_mode=A  
network_order=ECG
```

Example 4 BIN Lookup Request Using Optional Mode P

```
currency=usd  
ics_applications=ics_bin_lookup  
customer_cc_number=4111111111111111  
merchant_ref_number=ABCDE12345  
bin_lookup_mode=P  
merchant_id=Napa Valley Vacations  
network_order=ECG
```

Example 5 BIN Lookup Reply

```
card_billing_currency=USD
card_billing_currency_minor_digits=2
card_product_category=CONSUMER
card_type=001
card_sub_type=CREDIT
card_cross_border_indicator=Y
card_oct_fast_funds_indicator=Y
issuer_country=US
issuer_name=JPMORGAN CHASE BANK, N.A.
issuer_phone_number=1-800-555-1234
card_level_2_eligible=N
card_level_3_eligible=N
card_oct_block_indicator=A
card_online_gambling_block_indicator=Y
bin_lookup_rcode=1
bin_lookup_rflag=SOK
bin_lookup_rmsg=Request was processed successfully.
ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
merchant_ref_number=ABCDE12345
request_id=4436366943125000001540
card_type_name=VISA
network1=oct_cross_border_indicator:false^aft_cross_border_
indicator:false^network_id:20^oct_domestic_indicator:true^network_
order:E^aft_domestic_indicator:false
network2=oct_cross_border_indicator:true^aft_cross_border_
indicator:true^network_id:24^oct_domestic_indicator:true^network_
order:C^aft_domestic_indicator:true
```

Example 6 BIN Lookup Reply Using Optional Mode P

```
issuer_country=US
bin_lookup_return_code=1400000
request_token=AhjzbowSTFjUDGjww0ipkRAFP9wl6jjdIAOWcMm3/2Lid9hgwGQAACiPq
card_billing_currency_minor_digits=2
card_billing_currency=USD
bin_lookup_request_time=2017-12-13T214442Z
ics_return_code=1000000
card_online_gambling_block_indicator=Y
request_id=5132014778246015101540
card_sub_type=CREDIT
bin_lookup.reason_code=100
card_oct_fast_funds_indicator=B
ics_rmsg=Request was processed successfully.
network2=oct_cross_border_indicator:true^aft_cross_border_
indicator:true^network_id:24^oct_domestic_indicator:true^network_
order:C^aft_domestic_indicator:true
issuer_name=Visa Test Bank
network1=oct_cross_border_indicator:false^aft_cross_border_
indicator:false^network_id:20^oct_domestic_indicator:true^network_
order:E^aft_domestic_indicator:false
card_country_code_issuing_institution=Data not available
card_oct_block_indicator=B
ics_decision_reason_code=100
ics_rflag=SOK
bin_lookup_rflag=SOK
issuer_country_numeric_code=840
bin_lookup_rmsg=Request was processed successfully.
card_billing_currency_numeric_code=840
card_product_category=Data not available
merchant_ref_number=ABCDE12345
bin_lookup_rcode=1
ics_rcode=1
```

Card Types

The following table lists the card type values that are returned in the **card_type** field.

Table 5 Card Types

Value	Card Type
001	Visa
002	Mastercard or Eurocard: European regional brand of Mastercard
003	American Express
004	Discover
005	Diners Club
006	Carte Blanche
007	JCB
014	EnRoute
021	JAL
024	Maestro (UK Domestic)
027	NICOS house card
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
053	ORICO house card
054	Elo

Network IDs and Network Order Codes

[Table 6](#) lists the network IDs and network order codes that are returned in the `network#:network_id` and `network#:network_order` fields.

Table 6 Network IDs and Network Order Codes

Network Name	Network ID	Network Order Code
Accel/Exchange	0020	E
CU24	0024	C
Interlink	0003	G
Maestro	0016	B
NYCE	0018	Y
	0027	F
Pulse	0009	S
	0017	L
	019	H
Star	008	N
	0010	W
	0011	Z
	0012	Q
	0015	M
Visa/PLUS	0002	V

Numeric Country and Currency Codes

The following table lists the numeric country and currency codes that are returned in the **issuer_country_numeric_code** and fields.

Table 7 Numeric Country and Currency Codes

Country	Numeric Country Code	Currency	Numeric Currency Code
Albania	8	Albanian lek	8
Algeria	12	Algerian dinar	12
American Samoa	16	United States dollar	840
Andorra	20	Euro	978
Angola	24	Angolan kwanza	973
Anguilla	660	East Caribbean dollar	951
Antarctica	10	Norwegian krone	578
Antigua and Barbuda	28	East Caribbean dollar	951
Argentina	32	Argentine peso	32
Armenia	51	Armenian dram	51
Aruba	533	Aruban guilder	533
Australia	36	Australian dollar	36
Austria	40	Euro	978
Azerbaijan	31	Azerbaijan manat	944
Bahamas	44	Bahamian dollar	44
Bahrain	48	Bahraini dinar	48
Bangladesh	50	Bangladesh taka	50
Barbados	52	Barbados dollar	52
Belarus	112	Belarussian ruble	974
Belgium	56	Euro	978
Belize	84	Belize dollar	84
Benin	204	CFA franc BCEAO (West African CFA franc)	952

Table 7 Numeric Country and Currency Codes (Continued)

Country	Numeric Country Code	Currency	Numeric Currency Code
Bermuda	60	Bermuda dollar	60
Bhutan	64	Indian rupee	356
Bolivia	68	Bolivian boliviano	68
Bosnia and Herzegovina	70	Bosnian convertible	977
Botswana	72	Botswana pula	72
Bouvet Island	74	Norwegian krone	578
Brazil	76	Brazilian real	986
British Indian Ocean Territory	86	United States dollar	840
British Virgin Islands	92	United States dollar	840
Brunei Darussalam	96	Brunei dollar	96
Bulgaria	100	Bulgarian lev	975
Burkina Faso	854	CFA franc BCEAO (West African CFA franc)	952
Burundi	108	Burundi franc	108
Cambodia	116	Cambodian riel	116
Cameroon, United Republic of	120	CFA franc BEAC (Central African CFA franc)	950
Canada	124	Canadian dollar	124
Cape Verde Island	132	Cape Verde escudo	132
Cayman Islands	136	Cayman Islands dollar	136
Central African Republic	140	CFA franc BEAC (Central African CFA franc)	950
Chad	148	CFA franc BEAC (Central African CFA franc)	950
Chile	152	Chilean peso	152
China	156	China yuan renminbi	156
Christmas Island	162	Australian dollar	36
Cocos (Keeling) Islands	166	Australian dollar	36
Colombia	170	Colombian peso	170
Comoros	174	Comoro franc	174
Congo	178	CFA franc BEAC (Central African CFA franc)	950
Cook Islands	184	New Zealand dollar	554

Table 7 Numeric Country and Currency Codes (Continued)

Country	Numeric Country Code	Currency	Numeric Currency Code
Costa Rica	188	Costa Rican colon	188
Cote d'Ivoire (Ivory Coast)	384	CFA franc BCEAO (West African CFA franc)	952
Croatia	191	Croatian kuna	191
Cyprus	196	Euro	978
Czech Republic	203	Czech koruna	203
Democratic Republic of the Congo	180	Congolais franc	976
Denmark	208	Danish krone	208
Djibouti	262	Djibouti franc	262
Dominica	212	East Caribbean dollar	951
Dominican Republic	214	Dominican peso	214
Ecuador	218	United States dollar	840
Egypt	818	Egyptian pound	818
El Salvador	222	United States dollar	840
Equatorial Guinea	226	CFA franc BEAC (Central African CFA franc)	950
Eritrea	232	Eritrean nakfa	232
Estonia	233	Euro	978
Ethiopia	231	Ethiopian birr	230
Falkland Islands (Malvinas)	238	Falkland Islands pound	238
Faroe Islands	208	Danish krone	208
Fiji	242	Fiji dollar	242
Finland	246	Euro	978
France	250	Euro	978
French Guiana	254	Euro	978
French Polynesia	258	CFP franc	953
French Southern Territories	260	Euro	978
Gabon	266	CFA franc BEAC (Central African CFA franc)	950
Gambia	270	Gambia dalasi	270
Georgia	268	Georgian lari	981
Germany	276	Euro	978

Table 7 Numeric Country and Currency Codes (Continued)

Country	Numeric Country Code	Currency	Numeric Currency Code
Ghana	288	Ghana cedi	936
Gibraltar	292	Gibraltar pound	292
Greece	300	Euro	978
Greenland	304	Danish krone	208
Grenada	308	East Caribbean dollar	951
Guadeloupe	312	Euro	978
Guam	316	United States dollar	840
Guatemala	320	Guatemala quetzal	320
Guinea	324	Guinea franc	324
Guinea-Bissau	624	CFA franc BCEAO (West African CFA franc)	952
Guyana	328	Guyanese dollar	328
Haiti	332	Haiti gourde	332
Heard and McDonald Islands	334	Haiti gourde	332
Holy See (Vatican City State)	336	Euro	978
Honduras	340	Honduran lempira	340
Hong Kong	344	Hong Kong dollar	344
Hungary	348	Hungary forint	348
Iceland	352	Iceland krona	352
India	356	Indian rupee	356
Indonesia	360	Indonesian rupiah	360
Ireland, Republic of	372	Euro	978
Israel	376	New Israeli shekel	376
Italy	380	Euro	978
Jamaica	388	Jamaican dollar	388
Japan	392	Japanese yen	392
Jordan	400	Jordanian dinar	400
Kazakhstan	398	Kazakhstan tenge	398
Kenya	404	Kenyan shilling	404
Kiribati	296	Australian dollar	36
Korea, Republic of	410	South Korea won	410
Kuwait	414	Kuwaiti dinar	414

Table 7 Numeric Country and Currency Codes (Continued)

Country	Numeric Country Code	Currency	Numeric Currency Code
Kyrgyzstan	417	Kyrgyzstan som	417
Laos	418	Laotian kip	418
Latvia	428	Euro	978
Lebanon	422	Lebanese pound	422
Lesotho	426	Lesotho loti	426
Liberia	430	Liberian dollar	430
Liechtenstein	438	Swiss franc	756
Lithuania	440	Lithuanian litas	440
Luxembourg	442	Euro	978
Macau, China	446	Macau pataca	446
Macedonia	807	Macedonian denar	807
Madagascar	450	Malagasy ariary	969
Malawi	454	Malawi kwacha	454
Malaysia	458	Malaysian ringgit	458
Maldives	462	Maldives rufiyaa	462
Mali	466	CFA franc BCEAO (West African CFA franc)	952
Malta	470	Euro	978
Marshall Islands	584	United States dollar	840
Martinique	474	Euro	978
Mauritania	478	Mauritania ouguiya	478
Mauritius	480	Mauritius rupee	480
Mayotte	175	Euro	978
Mexico	484	Mexican peso	484
Micronesia	583	United States dollar	840
Moldova, Republic of	498	Moldovan leu	498
Monaco	492	Euro	978
Mongolia	496	Mongolia tugrik	496
Monserrat	500	East Caribbean dollar	951
Montenegro	499	Euro	978
Morocco	504	Moroccan dirham	504
Mozambique	508	Mozambique metical	943
Myanmar	104	Myanmar kyat	104
Namibia	516	Namibian dollar	516

Table 7 Numeric Country and Currency Codes (Continued)

Country	Numeric Country Code	Currency	Numeric Currency Code
Nauru	520	Australian dollar	36
Nepal	524	Nepalese rupee	524
Netherlands	528	Euro	978
Netherlands Antilles	530	Netherlands Antillean guilder	532
New Caledonia	540	CFP franc	953
New Zealand	554	New Zealand dollar	554
Nicaragua	558	Nicaraguan cordoba oro	558
Niger	562	CFA franc BCEAO (West African CFA franc)	952
Nigeria	566	Nigerian naira	566
Niue	570	New Zealand dollar	554
Norfolk Island	574	Australian dollar	36
Northern Mariana Islands	580	United States dollar	840
Norway	578	Norwegian krone	578
Oman	512	Omani rial	512
Pakistan	586	Pakistan rupee	586
Palau	585	United States dollar	840
Palestine, State of	275	United States dollar	840
Panama	591	Panamanian balboa	590
Papua New Guinea	598	Papua New Guinean kina	598
Paraguay	600	Paraguayan guarani	600
Peru	604	Peruvian nuevo sol	604
Philippines	608	Philippine peso	608
Pitcairn	612	New Zealand dollar	554
Poland	616	Polish zloty	985
Portugal	620	Euro	978
Puerto Rico	630	United States dollar	840
Qatar	634	Qatari rial	634
Reunion	638	Euro	978
Romania	642	Romanian leu	946
Russian Federation	643	Russian ruble	643
Rwanda	646	Rwanda franc	646

Table 7 Numeric Country and Currency Codes (Continued)

Country	Numeric Country Code	Currency	Numeric Currency Code
Saint Helena	654	Saint Helena pound	654
Saint Kitts and Nevis	659	East Caribbean dollar	951
Saint Lucia	662	East Caribbean dollar	951
Saint Pierre and Miquelon	666	Euro	978
Saint Vincent and the Grenadines	670	East Caribbean dollar	951
Samoa	882	Samoan tala	882
San Marino	674	Euro	978
Sao Tome and Principe	678	Sao Tome and Principe dobra	678
Saudi Arabia	682	Saudi Arabian riyal	682
Senegal	686	CFA franc BCEAO (West African CFA franc)	952
Serbia, Republic of	688	Serbian dinar	941
Seychelles	690	Seychelles rupee	690
Sierra Leone	694	Sierra Leonean leone	694
Singapore	702	Singapore dollar	702
Slovakia	703	Euro	978
Slovenia	705	Euro	978
Solomon Islands	90	Solomon Islands dollar	90
Somalia	706	Somali shilling	706
South Africa	710	South African rand	710
South Georgia and the South Sandwich Islands	239	British pound sterling	826
Spain	724	Euro	978
Sri Lanka	144	Sri Lanka rupee	144
Sudan	736	Sudanese pound	736
Suriname	740	Surinamese dollar	968
Svalbard and Jan Mayen Islands	744	Norwegian krone	578
Swaziland	748	Swazi lilangeni	748
Sweden	752	Swedish krona	752
Switzerland	756	Swiss franc	756

Table 7 Numeric Country and Currency Codes (Continued)

Country	Numeric Country Code	Currency	Numeric Currency Code
Syrian Arab Republic	760	Syrian pound	760
Taiwan	158	Taiwan dollar	901
Tajikistan	762	Tajikistan somoni	972
Tanzania, United Republic of	834	Tanzanian shilling	834
Thailand	764	Thai baht	764
Timor-Leste	626	United States dollar	840
Togo	768	CFA franc BCEAO (West African CFA franc)	952
Tokelau	772	New Zealand dollar	554
Tonga	776	Tonga paanga	776
Trinidad and Tobago	780	Trinidad and Tobago dollar	780
Tunisia	788	Tunisian dinar	788
Turkey	792	Turkish lira	949
Turkmenistan	795	Turkmenistan manat	934
Turks and Caicos Islands	796	United States dollar	840
Tuvalu	798	Australian dollar	36
Uganda	800	Ugandan shilling	800
Ukraine	804	Ukrainian hryvnia	980
United Arab Emirates	784	United Arab Emirates dirham	784
United Kingdom	826	British pound sterling	826
United States	840	United States dollar	840
United States Minor Outlying Islands	581	United States dollar	840
United States Virgin Islands	850	United States dollar	840
Uruguay	858	Uruguayan peso	858
Uzbekistan	860	Uzbekistan sum	860
Vanuatu	548	Vanuatu vatu	548
Venezuela	862	Venezuelan bolivar fuerte	937
Vietnam	704	Vietnamese dong	704

Table 7 Numeric Country and Currency Codes (Continued)

Country	Numeric Country Code	Currency	Numeric Currency Code
Wallis and Futuna Islands	876	CFP franc	953
Western Sahara	732	Moroccan dirham	504
Yemen	887	Yemeni rial	886
Zambia	894	Zambian kwacha	967
Zimbabwe	716	Zimbabwean dollar	932

Reply Flags

The following table describes the reply flags that the SCMP API can return for the BIN lookup service. See [Getting Started with CyberSource Advanced for the SCMP API](#) for a discussion of replies and reply flags.



Important

Because CyberSource can add reply fields, reply codes, and reply flags at any time:

- You must parse the reply data according to the names of the fields instead of the field order in the reply. For more information about parsing reply fields, see the documentation for your client.
- Your error handler should be able to process new reply codes and reply flags without problems.
- Your error handler should use the **ics_rcode** field to determine the result if it receives a reply flag that it does not recognize.

Table 8 Reply Flags

Reply Flag	Description	Services That Can Return This Flag
DINVALIDCARD	The payment card number did not pass CyberSource basic checks.	ics_bin_lookup
DMISSINGFIELD	The request is missing a required field.	All CyberSource services
ESYSTEM	System error. You must design your transaction management system to include a way to correctly handle CyberSource system errors. CyberSource recommends that you do not design your system to endlessly retry sending a request in the case of a system error. For information about handling system errors and retries, see the documentation for the CyberSource client that you are using.	All CyberSource services
ETIMEOUT	The request timed out.	All CyberSource services
SOK	Request was successful.	All CyberSource services