
API Specification

WorldPay Internet Processing Message Format

Date	January 28, 2011
Version	8.3.0

WorldPayTM

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Revision history

Date	Description	ChangePoint #	Prepared By
1/28/2011	Version 8.3.0 <i>Chapter 1: E-commerce Operations</i> <ul style="list-style-type: none">Added Cancel request and response. (25). <i>Chapter 2: MOTO (Mail Order/Telephone Order Operations)</i> <ul style="list-style-type: none">Added Cancel request and response (60).Updated the Street Address and ZIP fields to be mandatory in the AVS Check Input Name-Value Pairs table (88). <i>Chapter 3: Face-to-Face/Retail Operations</i> <ul style="list-style-type: none">Added Cancel request and response (93) . <i>Appendix E: SVCTYPE</i> <ul style="list-style-type: none">Added CreditBalance to table (190).	PRJ-2010-00126	WorldPay
12/23/2010	Version 8.2.1 <i>Chapter 1: E-commerce Operations</i> <ul style="list-style-type: none">Changed service type from Authorized to Cancel (25).	—	WorldPay
12/15/2010	Version 8.2.0 <i>Chapter 7: Direct Debit-US Processing</i> <ul style="list-style-type: none">Changed bytes from 32 to 15 for First Name under Authentication only request on page 152.Changed bytes from 32 to 15 for First Name under Deposit request on page 157.	PRJ-2010-00033	WorldPay

Date	Description	ChangePoint #	Prepared By
	<ul style="list-style-type: none"> Changed bytes from 32 to 15 for First Name under Force deposit request on page 160. Changed bytes from 32 to 15 for First Name under Refund request on page 165. Changed bytes from 32 to 15 for First Name under Validation only request on page 167. 		
10/26/2010	Version 8.1.0 <i>Chapter 1: E-commerce Operations</i> <ul style="list-style-type: none"> Added "Cancel request" on page 25. Added "Cancel response" on page 26. 	—	WorldPay
10/20/2010	Version 8.0.0 <ul style="list-style-type: none"> Rebranded document <i>Chapter 1:E-commerce Operations</i> <ul style="list-style-type: none"> Added "Credit balance inquiry" on page 26. Authorization Response was changed to "Credit balance response" on page 28. Changed the Parameter Name from Balance to CardBal under "Credit balance response" on page 28. Removed row for Credit Balance Inquiry under "Credit balance response" on page 28. Removed row for Remainder Amount under "Credit balance response" on page 28. Removed the PartialAuthIndicator row under "Credit balance response" on page 28. Removed AuthAmount ow under "Credit balance response" on page 28. Authorization Response was changed to "Credit balance response" on page 37. Balance parameter under "Credit balance response" on page 37 was changed to CardBal. 	—	WorldPay
06/24/2010	Version 7.6.0 <i>Chapter 1: E-commerce Operations</i> <ul style="list-style-type: none"> Added a table for AVS check input name-value pairs on page 55. Added a table for AVS check output name-value pairs on page 56. <i>Chapter 2: MOTO (Mail Order/Telephone Order) Operations</i>	—	WorldPay

Date	Description	ChangePoint #	Prepared By
	<ul style="list-style-type: none"> Added a table for AVS Check Input Name-Value Pairs on page 88. Added a table for AVS Check Output Name-Value Pairs on page 89. <p><i>Chapter 3: Face-to-Face/Retail Operations</i></p> <ul style="list-style-type: none"> Added a table for AVS Check Input Name-Value Pairs on page 129. Added a table for AVS Check Output Name-Value Pairs on page 129. <p>Appendix E: SVCTYPE</p> <ul style="list-style-type: none"> Added the row Value=AVSCheck to SVCTYPE on page 190 table. 		
05/12/2010	<p>Version 7.5.1</p> <p><i>Chapter 3: Face-to-Face/Retail Operations</i></p> <ul style="list-style-type: none"> Added values to ENCRYPTKEYTYPE under Debit sale request (118) Added values to ENCRYPTKEYTYPE under Debit void sale request (120). Added values to ENCRYPTKEYTYPE under Debit refund request (121). Added values to ENCRYPTKEYTYPE under Debit balance inquiry request (122). 	—	WorldPay
04/20/2010	<p>Version 7.5.0</p> <p><i>Chapter 1: E-commerce Operations</i></p> <ul style="list-style-type: none"> Added Balance parameter name and Remaining Card Balance (If Available) value to Authorization response (23). Authorization Request (23) - Removed “Partial-AuthSupport 1-to authorize a partial amount if the full amount cannot be authorized. Currently, partial authorization is only supported for FSA and gift card transactions For FSA and gift transactions, this flag is required if the FSA Total Amount is less than the Amount to be authorized. For Non-FSA transactions, this flag is ignored.” Authorization Request (23) - Replaced with “PartialAuthSupport 0=Terminal does not support partial authorization responses. 1=Terminal accepts partial authorization responses”. 	—	WorldPay

Date	Description	ChangePoint #	Prepared By
	<ul style="list-style-type: none"> Sale Request (28) - Removed "PartialAuthSupport 1-to authorize a partial amount if the full amount cannot be authorized. Currently, partial authorization is only supported for FSA and gift card transactions For FSA and gift transactions, this flag is required if the FSA Total Amount is less than the Amount to be authorized. For Non-FSA transactions, this flag is ignored." Sale Request (28) - Replaced with "PartialAuthSupport 0=Terminal does not support partial authorization responses. 1=Terminal accepts partial authorization responses". Added Balance parameter name and Remaining Card Balance (If Available) value to Sale response (30). Added "PartialAuthSupport 0=Terminal does not support partial authorization responses. 1=Terminal accepts partial authorization responses" row to Authorization request (36). Added Balance parameter name and Remaining Card Balance (If Available) value to Authorization response (37). Added "PartialAuthSupport 0=Terminal does not support partial authorization responses. 1=Terminal accepts partial authorization responses" row to Authorization request (38). Added Balance parameter name and Remaining Card Balance (If Available) value to Sale response (39). Removed asterisk for PartialAuthSupport. Removed asterisk PartialAuthIndicator. Removed asterisk AuthAmount. Removed asterisk for OriginalAmount. <p><i>Chapter 2: MOTO (Mail Order/Telephone Order) Operations</i></p> <ul style="list-style-type: none"> Authorization Request (to verify and reserve funds) (58) - Removed "PartialAuthSupport 1-to authorize a partial amount if the full amount cannot be authorized. Currently, partial authorization is only supported for FSA and gift card transactions For FSA and gift transactions, this flag is required if the FSA Total Amount is less than the Amount to be authorized. For Non-FSA transactions, this flag is ignored." 		

Date	Description	ChangePoint #	Prepared By
	<ul style="list-style-type: none"> Authorization Request (to verify and reserve funds) (58) - Replaced with "PartialAuthSupport 0=Terminal does not support partial authorization responses. 1=Terminal accepts partial authorization responses". Sale Request (to verify funds and charge a card) (61) - Removed "PartialAuthSupport 1-to authorize a partial amount if the full amount cannot be authorized. Currently, partial authorization is only supported for FSA and gift card transactions For FSA and gift transactions, this flag is required if the FSA Total Amount is less than the Amount to be authorized. For Non-FSA transactions, this flag is ignored." Sale Request (to verify funds and charge a card) (61) - Replaced with "PartialAuthSupport 0=Terminal does not support partial authorization responses. 1=Terminal accepts partial authorization responses". Added Balance parameter name and Remaining Card Balance (If Available) value to Authorization response (to verify and reserve funds) (60). Added Balance parameter name and Remaining Card Balance (If Available) value to Sale response (to verify funds and charge a card) (63). Added "PartialAuthSupport 0=Terminal does not support partial authorization responses. 1=Terminal accepts partial authorization responses" row to Authorization request (to verify and reserve funds) (69). Added Balance parameter name and Remaining Card Balance (If Available) value to Sale response (70). Added "PartialAuthSupport 0=Terminal does not support partial authorization responses. 1=Terminal accepts partial authorization responses" row to Sale request (to verify funds and charge a card (71). Added Balance parameter name and Remaining Card Balance (If Available) value to Sale response (to verify funds and charge a card) (72). Removed asterisk for PartialAuthSupport. Removed asterisk PartialAuthIndicator. Removed asterisk AuthAmount. 		

Date	Description	ChangePoint #	Prepared By
	<ul style="list-style-type: none"> Removed asterisk for OriginalAmount. <i>Chapter 3: Face-to-Face/Retail Operations</i> Authorization Request (to verify funds and reserve funds) (91) - Removed "PartialAuthSupport 1-to authorize a partial amount if the full amount cannot be authorized. Currently, partial authorization is only supported for FSA and gift card transactions For FSA and gift transactions, this flag is required if the FSA Total Amount is less than the Amount to be authorized. For Non-FSA transactions, this flag is ignored." Authorization Request (to verify funds and reserve funds) (91) - Replaced with "PartialAuthSupport 0=Terminal does not support partial authorization responses. 1=Terminal accepts partial authorization responses". Added "PartialAuthSupport 0=Terminal does not support partial authorization responses. 1=Terminal accepts partial authorization responses" to (92). Sale Request (to verify funds and charge a card) (94) - Removed "PartialAuthSupport 1-to authorize a partial amount if the full amount cannot be authorized. Currently, partial authorization is only supported for FSA and gift card transactions For FSA and gift transactions, this flag is required if the FSA Total Amount is less than the Amount to be authorized. For Non-FSA transactions, this flag is ignored." Added Balance parameter name and Remaining Card Balance (If Available) value to Sale response (to verify funds and charge a card) (96). Added "PartialAuthSupport 0=Terminal does not support partial authorization responses. 1=Terminal accepts partial authorization responses" row to Sale request (to verify funds and charge a card (102). Added Balance parameter name and Remaining Card Balance (If Available) value to Sale response (104). 		

Date	Description	ChangePoint #	Prepared By
	<ul style="list-style-type: none"> Added ENCRYPTKEYTYPE parameter name and value For PINless Debit transaction the allowed value is L. If no value is passed by the merchant, the encryption key type to be passed is L for Debit sale request. (118) Added value For Pinned Debit transactions the allowed values are D,M and T. If no value is passed by the merchant, the encryption key type to be passed is D for Debit sale request (118). Added ENCRYPTKEYTYPE parameter name and value For Pinned Debit transactions the allowed values are D,M and T. If no value is passed by the merchant, the encryption key type to be passed is D for Debit void sale request (120). Added ENCRYPTKEYTYPE parameter name and value For PINless Debit transaction the allowed value is L. If no value is passed by the merchant, the encryption key type to be passed is L for Debit refund request (121). Added value For Pinned Debit transactions the allowed values are D,M and T. If no value is passed by the merchant, the encryption key type to be passed is D for Debit refund request (121). Added ENCRYPTKEYTYPE parameter name and value For Pinned Debit transactions the allowed values are D,M and T. If no value is passed by the merchant, the encryption key type to be passed is D for Debit balance inquiry request (122). Removed asterisk for PartialAuthSupport. Removed asterisk PartialAuthIndicator. Removed asterisk AuthAmount. Removed asterisk for OriginalAmount. 		
03/17/2010	Version 7.4.0 <i>Chapter 7: Direct Debit-US Processing</i> <ul style="list-style-type: none"> Refund order request (164) -Removed “Required if the store’s security flag is on” from SellerId parameter. Added “The user must be a store owner) to SellerId. Refund order request (164) -Removed “Required if the store’s security flag is on” from Password parameter. 	1076296	WorldPay

Date	Description	ChangePoint #	Prepared By
	<ul style="list-style-type: none"> Refund request (165) -Removed “Required if the store’s security flag is on” from SellerId parameter. Added “The user must be a store owner) to SellerId. Refund request (165) -Removed “Required if the store’s security flag is on” from Password parameter. 		
08/29/2009	Version 7.3.0 <i>Chapter 5: Purchase card Level II and III Transactions</i> <ul style="list-style-type: none"> Purchase card level III general data for MasterCard transactions (135) -Added a clarification on the TaxType_n field that leaving the value blank causes an error and that a value must be entered. 	10685 10700	WorldPay
08/06/2009	Version 7.2.0 <i>Appendix C: Action Codes and Response Literals</i> <ul style="list-style-type: none"> New appendix (150)—combines action codes into a single appendix and replaces these previous appendixes C: Debit Decline Reason Codes, D: Credit Action codes and response literals, E: Gift Decline codes, F: Certegy action codes. 	—	WorldPay
06/02/2009	Version 7.1.0 <i>Appendix F: CVV2/CVC Response Codes</i> <ul style="list-style-type: none"> Added American Express CID codes Added MasterCard CVC2 codes <i>Appendix H: SVCTYPE</i> <ul style="list-style-type: none"> Removed AVSCheck value 	—	WorldPay
04/02/2009	Version 7.0.0 <i>Chapter 1: E-commerce Operations</i> <ul style="list-style-type: none"> For IDMethod, added 4 for MOTO/e-commerce Removed all “ShipTo” fields Credit card transactions: Authorization request (PartialAuthSupport field)—Changed FSA to FSA and gift card <i>Chapter 2: MO/TO Operations</i> <ul style="list-style-type: none"> For IDMethod, added 4 for Moto/e-commerce Removed all “ShipTo” fields <i>Chapter 3: Face-to-Face/Retail Operations</i> <ul style="list-style-type: none"> EBT transactions—updated description <i>Chapter 7: Direct Debit—US Processing</i>	—	WorldPay

Date	Description	ChangePoint #	Prepared By
	<ul style="list-style-type: none"> New External services section New descriptions for each section New description for all FirstName parameters New description for all LastName parameters Updates to all ErrorCode fields <i>Authentication Only response: Successful response.</i> Edited TransactionStatus parameter to only 0=success <i>Authentication Only response: Error response.</i> Edited TransactionStatus parameter to only 1=Failure and 2=Exception <i>Force Deposit request:</i> CheckNumber parameter is optional. <i>Redeposit request: OrderId parameter</i>— The field is populated with an OrderID from a previously successful deposit. <p><i>Appendix H: SVCTYPE</i></p> <ul style="list-style-type: none"> Removed value=PartialSettle Removed value=CodeCancel 		
10/09/2008	<p>Version 6.8.0</p> <ul style="list-style-type: none"> Moved “PartialAuthIndicator”, “AuthAmount”, “OriginalAmount”, and “RemainderAmount” from the e-commerce Authorization request to the response (see page 16). Moved “PartialAuthIndicator”, “AuthAmount”, “OriginalAmount”, and “RemainderAmount” from the e-commerce Sale request to the response (see page 18). Moved “PartialAuthIndicator”, “AuthAmount”, “OriginalAmount”, and “RemainderAmount” from the MOTO Authorization request to the response (see page 46). Moved “PartialAuthIndicator”, “AuthAmount”, “OriginalAmount”, and “RemainderAmount” from the MOTO Sale request to the response (see page 48). Moved “PartialAuthIndicator”, “AuthAmount”, “OriginalAmount”, and “RemainderAmount” from the Face-to-Face/Retail Authorization request to the response (see page 75). 	—	WorldPay

Date	Description	ChangePoint #	Prepared By
	<ul style="list-style-type: none"> Moved "PartialAuthIndicator", "AuthAmount", "OriginalAmount", and "RemainderAmount" from the Face-to-Face/Retail Sale request to the response (see page 77). 		
08/28/2008	Version 6.7.0 <ul style="list-style-type: none"> Moved "PartialAuthIndicator", "AuthAmount", "OriginalAmount", and "RemainderAmount" from the e-commerce Authorization request to the response (see page 16). Moved "PartialAuthIndicator", "AuthAmount", "OriginalAmount", and "RemainderAmount" from the e-commerce Sale request to the response (see page 18). Moved "PartialAuthIndicator", "AuthAmount", "OriginalAmount", and "RemainderAmount" from the MOTO Authorization request to the response (see page 46). Moved "PartialAuthIndicator", "AuthAmount", "OriginalAmount", and "RemainderAmount" from the MOTO Sale request to the response (see page 48). Moved "PartialAuthIndicator", "AuthAmount", "OriginalAmount", and "RemainderAmount" from the Face-to-Face/Retail Authorization request to the response (see page 75). Moved "PartialAuthIndicator", "AuthAmount", "OriginalAmount", and "RemainderAmount" from the Face-to-Face/Retail Sale request to the response (see page 77). 	—	WorldPay
08/19/2008	Version 6.6 <ul style="list-style-type: none"> Added information to "VerifyFlag" on the Deposit and Validation messages. Added note about special characters to the first and last name fields in the Authenticate message. Updated the format of the SSN and Phone fields for the Authentication message (page 129). Removed "AuthResponse" field from the Authentication Response message (page 131) Removed "Validation Status" and "Verification-Status" from the Deposit Response message (page 136) 	—	WorldPay

Date	Description	ChangePoint #	Prepared By
	<ul style="list-style-type: none"> Added "DD_US_AuthId" to the Force Deposit name-value pair (page 136) Document formatting change; updated order of transaction types in Chapter 7. Added "Check point summary" on page 132 and "Fraud shield indicators" on page 133. Added Appendix K: "Check Point Summary Codes" on page 173. 		
07/22/2008	Version 6.5 <ul style="list-style-type: none"> Added DupCheck information (page 109). In chapter 7, changed the field name of "Account Type" to "AccountType". Removed four parameters from "Refund order request" on page 140. Added three parameters to "Redeposit response" on page 139. Added three parameters to "Refund order response" on page 140. Removed one parameter from "Refund request" on page 141. Added three parameters to "Refund response" on page 142. Added one parameter to "Validation Only request" on page 143. Removed one parameter from "Validation Only request" on page 143. Added three parameters to "Validation response" on page 144. Removed one parameter from "Verification Only request" on page 144. Removed one parameter from "Verification Only response" on page 145. Added Appendix K: "Check Point Summary Codes" on page 173. Added "Chapter 7: Direct Debit-US Processing" on page 128. Added Appendix J: "Experian Error Codes" on page 172. 	—	WorldPay
05/15/2008	Version 6.4.4 Added FSA Information.	—	WorldPay

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Appendix N:IDMethod 212

Overview

Introduction This document details requirements for processing online credit, debit, and Gift Card transactions over the Internet using WorldPay's e-commerce solution.

Communications Mechanism A transaction request sent to WorldPay needs to be sent via HTTPS POST. Therefore, in order to perform this action:

1. A socket is established to the WorldPay server.
2. An SSL Channel Encryption Session is established over the socket.
3. An HTTP POST message is sent via the SSL-encrypted socket.
4. The WorldPay server will return the response via the SSL-encrypted socket. The response will be in the data portion of the HTTPS POST response.
5. The socket is torn down.

There are many available libraries (both commercial and open-source) which can assist in implementation of HTTP POST and SSL channel encryption.

- For more information on SSL (current version of which is known as TLS) negotiation, please refer to RFC 2246 at <http://www.ietf.org/rfc/rfc2246.txt>
- For more information on HTTP POST, please refer to RFC 1945 at <http://www.ietf.org/rfc/rfc1945.txt> and RFC 2616 at <http://www.ietf.org/rfc/rfc2616.txt>.

Transaction String Message Formats The transaction information needs to be in the format of Name-Value pairs (detailed in the remainder of this document) and each pair needs to be separated by an ampersand (&). A sample Retail transaction string would look like:

```
SVCTYPE=SALE&ENTRYMODE=0&STOREID=400000&MERCHANTID=542929001000041&TERMINALID=LK117709&TRACK=%B4446661234567892^CUSTOMER/
LYNK^05051011015600777000000?;4446661234567892=050510110156777?&AMOUNT=
4.50
```

Data Type Describes each data type in a standard format defining the permitted content of the field.

Abbreviation	Description
A	Alpha, including blanks
N	Numeric values only
S	Special characters only
AN	Alphanumeric
AS	Alpha & special characters only
NS	Numeric and special characters only
ANS	Alphabetic, numeric and special characters

Abbreviation	Description
H	Hex data
..	Will include a 2-byte length indicator
...	Will include a 3-byte length indicator

Glossary

Credit transaction. A transaction which transfers funds between a cardholder's major-brand credit card and a merchant bank account.

Debit transaction. A transaction which transfers funds between a cardholder's Demand Deposit Account (DDA—also known as a checking account) and a merchant bank account. The transaction is initiated from a Point-of-Sale (POS) device, and for an on-line debit transaction the cardholder enters a Personal Identification Number (PIN) into an encrypting device (usually known as a PIN Pad). The encrypting device creates an encrypted pin block (EPB) which is then passed to the debit network along with the request for funds transfer.

Gift Card transaction. A transaction which either activates a Gift Card for usage (and establishes an initial balance), redeems value from a Gift Card, or adds value to a Gift Card.

NACHA. The National ACH Association (NACHA) is a not-for-profit trade association that develops operating rules and business practices for the Automated Clearing House (ACH) Network and for other areas of electronic payments.

Socket. A service on a particular node on a network. The socket consists of a node address and a port number, which identifies the service. For example, port 80 on an Internet node indicates a Web server.

SSL. Acronym for **Secure Sockets Layer**. A protocol for ensuring security and privacy in Internet communications. SSL supports authentication of client, server, or both, as well as encryption during a communications session.

Chapter 1: E-commerce Operations

This section lists the specifications for e-commerce operations.

Topic	See Page
Credit card transactions	23
Credit balance inquiry	26
Restaurant credit card transactions (with tip)	36
Gift card/Loyalty card transactions	44
Gift card partial authorization	51
Gift card void sale	54

Credit card transactions

Authorization request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Authorize. Refer to “Appendix E: SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
FirstName	Cardholder’s first name
*MiddleName	Cardholder’s middle name
*LastName	Cardholder’s last name
*BusinessName	Cardholder’s business name
StreetAddress	Cardholder’s billing street address
City	Cardholder’s billing city
State	Cardholder’s billing state
Zip	Cardholder’s billing ZIP or postal code
Country	Cardholder’s billing country
*Email	Cardholder’s email address
*Phone	Cardholder’s phone number
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
*CVV2	CVV/CVC Value
*EntryMode	<ul style="list-style-type: none"> • 2 for a recurring payment • 5 for e-commerce, MasterCard SecureCode supported • 5 for e-commerce, Verified by Visa authenticated • 6 for e-commerce, Verified by Visa supported but not authenticated • 6 for e-commerce, MasterCard SecureCode supported but not authenticated • 7 for e-commerce, no authentication (Default)

Parameter Name	Value
*UCData	Verified by Visa/SecureCode data
*IDMethod	<ul style="list-style-type: none"> • 3 for a transaction from a Self-Service Terminal • 4 for MOTO/e-commerce • 5 for a transaction from a limited amount Self Service Terminal • 6 for a Customer activated transaction
*OrderDesc	Order description
Amount	Amount to be charged to card.
*FSATotalAmount	<p>Total Amount of FSA Qualified Health Care products. This cannot be greater than the Amount to be charged to the card. If the FSATotalAmount is not sent the other FSA component amounts are ignored.</p> <p>The individual FSA Component amounts cannot be greater than the FSA Total. If invalid FSA amounts are sent they will be ignored.</p> <p>FSA is only supported for Visa and MC at this time. The FSA amounts will not be sent to the network for other cards.</p>
*FSATransitAmount	Amount Transit
*FSAVisionAmount	Vision/Optical services
*FSAOtherAmount	Clinic/Other Qualified medical services
*FSADentalAmount	Dental
*FSARxAmount	Prescription/Rx only
PartialAuthSupport	<p>0=Terminal does not support partial authorization responses.</p> <p>1=Terminal accepts partial authorization responses.</p>

Authorization response

Parameters marked with an asterisk (*) are optional

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the authorization was Approved .
UCResponse	Verified by Visa/SecureCode response
PartialAuthIndicator	1 —if the amount authorized is less than the amount requested.
AuthAmount	Amount authorized if Partial Authorization is done.
OriginalAmount	Original Amount requested—will be returned only if Partial Authorization is done.

Parameter Name	Value
*RemainderAmount	Remainder amount to be collected by the merchant using another Payment method.
ApprovalCode	The Approval Code returned by the Issuer if the authorization was Approved
AVSResponse	The AVS (Address Verification Service) response code if the authorization was Approved .
CVV2Response	If the CVV2 value was set, the CVV2 Response if the authorization was Approved .
ErrorMsg	The Error Message returned if the authorization is not approved. Refer to “Appendix C: Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the authorization is not approved. Refer to “Appendix B: Error Codes” on page 171.
*Balance	Remaining Card Balance (If Available)

Cancel request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Cancel . Refer to “Appendix E: SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
OrderId	WorldPay Order Number of transaction
Amount	Amount to be charged to card.
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.

Cancel response

Parameters marked with an asterisk (*) are optional

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
ErrorMsg	The Error Message returned if the authorization is not approved. Refer to “Appendix C: Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the authorization is not approved. Refer to “Appendix B: Error Codes” on page 171.
OrderID	The WorldPay Order Number if the authorization was Approved .

Credit balance inquiry

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	CreditBalance. Refer to “ Value=CreditBalance” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
FirstName	Cardholder’s first name
*MiddleName	Cardholder’s middle name
*LastName	Cardholder’s last name
*BusinessName	Cardholder’s business name
StreetAddress	Cardholder’s billing street address
City	Cardholder’s billing city
State	Cardholder’s billing state
Zip	Cardholder’s billing ZIP or postal code
Country	Cardholder’s billing country
*Email	Cardholder’s email address
*Phone	Cardholder’s phone number

Parameter Name	Value
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
*CVV2	CVV/CVC Value
*EntryMode	<ul style="list-style-type: none"> • 2 for a recurring payment • 5 for e-commerce, MasterCard SecureCode supported • 5 for e-commerce, Verified by Visa authenticated • 6 for e-commerce, Verified by Visa supported but not authenticated • 6 for e-commerce, MasterCard SecureCode supported but not authenticated • 7 for e-commerce, no authentication (Default)
*UCData	Verified by Visa/SecureCode data
*IDMethod	<ul style="list-style-type: none"> • 3 for a transaction from a Self-Service Terminal • 4 for MOTO/e-commerce • 5 for a transaction from a limited amount Self Service Terminal • 6 for a Customer activated transaction
*OrderDesc	Order description
Amount	Amount to be charged to card.
*FSATotalAmount	<p>Total Amount of FSA Qualified Health Care products. This cannot be greater than the Amount to be charged to the card. If the FSATotalAmount is not sent the other FSA component amounts are ignored.</p> <p>The individual FSA Component amounts cannot be greater than the FSA Total. If invalid FSA amounts are sent they will be ignored.</p> <p>FSA is only supported for Visa and MC at this time. The FSA amounts will not be sent to the network for other cards.</p>
*FSATransitAmount	Amount Transit
*FSAVisionAmount	Vision/Optical services
*FSAOtherAmount	Clinic/Other Qualified medical services
*FSADentalAmount	Dental
*FSARxAmount	Prescription/Rx only
PartialAuthSupport	<p>0=Terminal does not support partial authorization responses.</p> <p>1=Terminal accepts partial authorization responses.</p>

Credit balance response

Parameters marked with an asterisk (*) are optional

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the authorization was Approved .
UCResponse	Verified by Visa/SecureCode response
ApprovalCode	The Approval Code returned by the Issuer if the authorization was Approved
AVSResponse	The AVS (Address Verification Service) response code if the authorization was Approved .
CVV2Response	If the CVV2 value was set, the CVV2 Response if the authorization was Approved .
ErrorMsg	The Error Message returned if the authorization is not approved. Refer to “Appendix C: Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the authorization is not approved. Refer to “Appendix B: Error Codes” on page 171.
*CardBal	Remaining Card Balance (If Available)

Sale request

Used to verify funds and to charge a card. Parameters marked with an asterisk (*) are optional

Parameter Name	Value
SvcType	Sale . Refer to “Appendix E: SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderID	Order ID supplied by merchant (up to 32 char)
FirstName	Cardholder’s first name
*MiddleName	Cardholder’s middle name
*LastName	Cardholder’s last name
*BusinessName	Cardholder’s business name

Parameter Name	Value
StreetAddress	Cardholder's billing street address
City	Cardholder's billing city
State	Cardholder's billing state
Zip	Cardholder's billing ZIP or postal code
Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
*CVV2	CVV/CVC Value
*EntryMode	<ul style="list-style-type: none"> • 2 for a reoccurring payment • 5 for e-commerce, MasterCard SecureCode supported • 5 for e-commerce, Verified by Visa authenticated • 6 for e-commerce, Verified by Visa supported but not authenticated • 6 for e-commerce, MasterCard SecureCode supported but not authenticated • 7 for e-commerce, no authentication (Default)
*UCData	Verified by Visa/SecureCode data
*IDMethod	<ul style="list-style-type: none"> • 3 for a transaction from a Self-Service Terminal • 4 for MOTO/e-commerce • 5 for a transaction from a limited amount Self Service Terminal • 6 for a Customer activated transaction
*OrderDesc	Order description
Amount	Amount to be charged to card.
*FSATotalAmount	<p>Total Amount of FSA Qualified Health care products. This cannot be greater than the Amount to be charged to the card. If the FSATotalAmount is not sent the other FSA component amounts are ignored.</p> <p>The individual FSA Component amounts cannot be greater than the FSA Total. If invalid FSA amounts are sent they will be ignored.</p> <p>FSA is only supported for Visa and MC at this time. The FSA amounts will not be sent to the network for other cards.</p>
*FSATransitAmount	Amount Transit
*FSAVisionAmount	Vision/Optical services
*FSAOtherAmount	Clinic/Other Qualified medical services

Parameter Name	Value
*FSADentalAmount	Dental
*FSARxAmount	Prescription/Rx only
PartialAuthSupport	0 =Terminal does not support partial authorization responses. 1 =Terminal accepts partial authorization responses.

Sale response

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the authorization was Approved .
UCResponse	Verified by Visa/SecureCode response
PartialAuthIndicator	1 —if the amount authorized is less than the amount requested.
AuthAmount	Amount authorized if Partial Authorization is done.
OriginalAmount	Original Amount requested—will be returned only if Partial Authorization is done.
*RemainderAmount	Remainder amount to be collected by the merchant using another Payment method.
ApprovalCode	The Approval Code returned by the Issuer if the authorization was Approved
AVSResponse	The AVS (Address Verification Service) response code if the authorization was Approved .
CVV2Response	If the CVV2 value was set, the CVV2 Response if the authorization was Approved .
ErrorMsg	The Error Message returned if the authorization is not approved. “Appendix C: Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the authorization is not approved. “Appendix B: Error Codes” on page 171.
*Balance	Remaining Card Balance (If Available)

Settlement request

Used to charge funds reserved by an **Authorization Request**. Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Settle . Refer to “Appendix E: SVCTYPE” on page 190 .
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
OrderId	WorldPay Order Number of transaction
Amount	Dollar amount to settle
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.
*ShipperName	Shipper name
*TrackingNumber	Shipping tracking number

Settlement response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
ErrorMsg	The Error Message returned if the transaction is not approved. “Appendix C: Action Codes and Response Literals” on page 174
ErrorCode	The Error Code returned if the transaction is not approved. “Appendix B: Error Codes” on page 171 .
OrderId	Order Number of the transaction
OldOrderId	Partial Settle —OrderNumber of the previous transaction (if new Auth has to be performed).

Force capture (using voice authorization) request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	ForceSettle . Refer to “Appendix E: SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
*BusinessName	Cardholder's business name
StreetAddress	Cardholder's billing street address
City	Cardholder's billing city
State	Cardholder's billing state
Zip	Cardholder's billing ZIP or postal code
Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
*EntryMode	<ul style="list-style-type: none"> • 7 for E-commerce (default)
*IDMethod	<ul style="list-style-type: none"> • 3 for a transaction from a Self-Service Terminal • 4 for MOTO/e-commerce • 5 for a transaction from a limited amount Self Service Terminal • 6 for a Customer activated transaction
*OrderDesc	Order description
Amount	Amount to be charged to card

Parameter Name	Value
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.
ApprovalCode	Approval Code for transaction

Force capture (using voice authorization) response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	OrderId of the transaction
ErrorMsg	The Error Message if not approved. “Appendix C: Action Codes and Response Literals” on page 174
ErrorCode	The Error Code if not approved. “Appendix B: Error Codes” on page 171.

Refund request (using previous order)

Parameters marked with an asterisk (*) are optional

Parameter Name	Value
SvcType	CreditOrder . Refer to “Appendix E: SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
OrderId	WorldPay Order Number of transaction
Amount	Dollar amount to refund (positive amount). If blank assume the credit amount is equal to authorized amount.
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.

Refund response (using previous order)

Parameter Name	Value
TransactionStatus	Transaction status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	The Order Number of the Credited transaction (if approved)
ErrorMsg	The Error Message if not approved. “Appendix C: Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code if not approved. “Appendix B: Error Codes” on page 171.

Refund request (using card number)

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Credit. Refer to “Appendix E: SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
FirstName	Cardholder’s first name
*MiddleName	Cardholder’s middle name
*LastName	Cardholder’s last name
*BusinessName	Cardholder’s business name
StreetAddress	Cardholder’s billing street address
City	Cardholder’s billing city
State	Cardholder’s billing state
Zip	Cardholder’s billing ZIP or postal code
Country	Cardholder’s billing country
*Email	Cardholder’s email address
*Phone	Cardholder’s phone number
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)

Parameter Name	Value
*EntryMode	7 for e-commerce (default)
*OrderDesc	Order description
Amount	Dollar amount to refund (positive amount). If blank assume the credit amount is equal to authorized amount.
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.

Refund response (using card number)

Parameter Name	Value
TransactionStatus	Transaction status (0=Approved, 1=Not Approved, 2=Exception0
OrderId	The Order Number of the Credited transaction (if approved)
ErrorMsg	The Error Message if not approved. “Appendix C: Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code if not approved. “Appendix B: Error Codes” on page 171.

Reauthorization request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	ReAuthorize. Refer to “Appendix E: SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
OrderID	OrderID of successful transaction with payment information to be used
*EntryMode	<ul style="list-style-type: none"> 2 for a reoccurring payment 7 for e-commerce, no authentication (Default)
*OrderDesc	Order description
Amount	Amount to be charged to card.

Reauthorization response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0=Approved, 1=Not Approved, 2=Exception)
OrderID	The WorldPay Order Number if the Authorization was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the authorization was Approved
AVSResponse	The AVS (Address Verification Service) response code if the authorization was Approved
ErrorMsg	The Error Message returned if the Authorization is not approved. “Appendix C: Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the Authorization is not approved. “Appendix B: Error Codes” on page 171.

Restaurant credit card transactions (with tip)**Authorization request**

Used to verify and reserve funds. Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Authorize. Refer to “Appendix E: SVCTYPE” on page 190.
AppType	LF
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderID	Order ID supplied by merchant (up to 32 char)
FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
*BusinessName	Cardholder's business name
StreetAddress	Cardholder's billing street address
City	Cardholder's billing city
State	Cardholder's billing state

Parameter Name	Value
Zip	Cardholder's billing ZIP or postal code
Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
*CVV2	CVV/CVC Value (3 digits)
*EntryMode	7 for e-commerce (default)
*IDMethod	<ul style="list-style-type: none"> 3 for a transaction from a Self-Service Terminal 4 for MOTO/e-commerce 5 for a transaction from a limited amount Self Service Terminal 6 for a Customer activated transaction
*OrderDesc	Order description
Amount	Amount to be charged to card.
PartialAuthSupport	0 =Terminal does not support partial authorization responses. 1 =Terminal accepts partial authorization responses.

Credit balance response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the Authorization was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Authorization was Approved
AVSResponse	The AVS (Address Verification Service) response code if the Authorization was Approved
CVV2Response	If the CVV2 value was set, the CVV2 Response (if the Authorization was Approved)
ErrorMsg	The Error Message returned if the Authorization is not approved. "Appendix C: Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code returned if the Authorization is not approved. "Appendix B: Error Codes" on page 171.
*CardBal	Remaining Card Balance (If Available)

Sale request

Used to verify funds and charge a card. Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Sale. Refer to “Appendix E: SVCTYPE” on page 190.
AppType	LF
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
*BusinessName	Cardholder's business name
StreetAddress	Cardholder's billing street address
City	Cardholder's billing city
State	Cardholder's billing state
Zip	Cardholder's billing ZIP or postal code
Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
*CVV2	CVV/CVC Value (3 digits)
*EntryMode	7 for e-commerce (default)
*IDMethod	<ul style="list-style-type: none"> 3 for a transaction from a Self-Service Terminal 4 for MOTO/e-commerce 5 for a transaction from a limited amount Self Service Terminal 6 for a Customer activated transaction

Parameter Name	Value
*OrderDesc	Order description
Amount	Amount to be charged to card
PartialAuthSupport	0 =Terminal does not support partial authorization responses. 1 =Terminal accepts partial authorization responses.

Sale response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the Authorization was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Authorization was Approved
AVSResponse	The AVS (Address Verification Service) response code if the Authorization was Approved.
CVV2Response	If the CVV2 value was set, the CVV2 Response (if the Authorization was Approved)
ErrorMsg	The Error Message returned if the Authorization is not approved. “Appendix C: Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the Authorization is not approved. “Appendix B: Error Codes” on page 171.
*Balance	Remaining Card Balance (If Available)

Settlement request

Used to charge funds reserved by an Authorization Request. Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Settle. Refer to “Appendix E: SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
OrderId	WorldPay Order Number of transaction
Amount	Dollar amount to settle (including tip)

Parameter Name	Value
*TipAmount	Dollar amount of tip (must be less than or equal to amount)
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.
*ShipperName	Shipper name
*TrackingNumber	Shipping tracking number

Settlement response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
ErrorMsg	The Error Message returned if the transaction is not approved. “Appendix C: Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the transaction is not approved. “Appendix B: Error Codes” on page 171.
OrderId	Order Number of the transaction
OldOrderId	Partial Settle - OrderNumber of the previous transaction (if new Auth has to be performed)

Force capture (using voice authorization) request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	ForceSettle . Refer to “Appendix E: SVCTYPE” on page 190.
AppType	LF
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name

Parameter Name	Value
*LastName	Cardholder's last name
*BusinessName	Cardholder's business name
StreetAddress	Cardholder's billing street address
City	Cardholder's billing city
State	Cardholder's billing state
Zip	Cardholder's billing ZIP or postal code
Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
*EntryMode	7 for e-commerce (default)
*IDMethod	<ul style="list-style-type: none"> • 3 for a transaction from a Self-Service Terminal • 4 for MOTO/e-commerce • 5 for a transaction from a limited amount Self Service Terminal • 6 for a Customer activated transaction
*OrderDesc	Order description
Amount	Dollar amount to settle (including tip)
*TipAmount	Dollar amount of tip (must be less than or equal to amount)
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.
ApprovalCode	Approval code for transaction

Force capture (using voice authorization) response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	OrderId of the transaction
ErrorMsg	The Error Message if not approved. “Appendix C: Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code if not approved. “Appendix B: Error Codes” on page 171.

Refund request (using previous order)

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	CreditOrder . Refer to “Appendix E: SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
OrderId	WorldPay Order Number of transaction
Amount	Dollar amount to refund (positive amount). If blank assume the credit amount is equal to authorized amount.
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.

Refund response (using previous order)

Parameter Name	Value
TransactionStatus	Transaction status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	The Order Number of the Credited transaction (if approved)
ErrorMsg	The Error Message if not approved. “Appendix C: Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code if not approved. “Appendix B: Error Codes” on page 171.

Refund request (using card number)

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Credit. Refer to “Appendix E: SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
*FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
*BusinessName	Cardholder's business name
*StreetAddress	Cardholder's billing street address
*City	Cardholder's billing city
*State	Cardholder's billing state
*Zip	Cardholder's billing ZIP or postal code
*Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
EntryMode	7 for e-commerce (default)
*OrderDesc	Order description
Amount	Dollar amount to refund (positive amount). If blank assume the credit amount is equal to authorized amount.
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.

Refund response (using card number)

Parameter Name	Value
TransactionStatus	Transaction status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	The Order Number of the Credited transaction (if approved)
ErrorMsg	The Error Message if not approved. “Appendix C: Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code if not approved. “Appendix B: Error Codes” on page 171.

Gift card/Loyalty card transactions**Redemption request**

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	GiftRedeem . Refer to “Appendix E: SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
StreetAddress	Cardholder's billing street address
City	Cardholder's billing city
State	Cardholder's billing state
Zip	Cardholder's billing ZIP or postal code
Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Gift Card number

Parameter Name	Value
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
*EntryMode	7 for e-commerce (default)
*OrderDesc	Order description
Amount	Amount to be redeemed
*ValidationCode	A four digit PIN for Gift Cards that are issued with PIN numbers. This field is only validated when a Gift transaction is flagged as e-commerce (7).

Redemption response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0=Approved, 1=Not Approved, 2=Exception)
OrderID	The WorldPay Order Number if the Redemption was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Redemption was Approved
Balance	Remaining Balance on the card (if available). If this is not available the name-value pair will not be present.
Points	Point Balance on the card (if available). Only for Loyalty Cards.
ExpirationDate	The expiration date of the card recorded on the Gift Card system (if available). If this is not available the name-value pair will not be present
ErrorMsg	The Error Message returned if the Redemption is not approved. “Appendix C: Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the Redemption is not approved. “Appendix B: Error Codes” on page 171.

Activation request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	GiftActivation. Refer to “Appendix E: SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay

Parameter Name	Value
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
StreetAddress	Cardholder's billing street address
City	Cardholder's billing city
State	Cardholder's billing state
Zip	Cardholder's billing ZIP or postal code
Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Gift Card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
*EntryMode	7 for e-commerce (default)
*OrderDesc	Order description
Amount	Amount to be activated.
*ValidationCode	A four-digit PIN for Gift Cards that are issued with PIN numbers. This field is only validated when a Gift transaction is flagged as e-commerce (7).

Activation response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0=Approved, 1=Not Approved, 2=Exception)
OrderID	The WorldPay Order Number if the Activation was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Activation was Approved
Points	Point Balance on the card (if available). Only for Loyalty Cards.
Balance	Remaining Balance on the card (if available). If this is not available the name-value pair will not be present.

Parameter Name	Value
ExpirationDate	The expiration date of the card recorded on the Gift Card system (if available). If this is not available the name-value pair will not be present
ErrorMsg	The Error Message returned if the Activation is not approved. “Appendix C: Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the Activation is not approved. “Appendix B: Error Codes” on page 171.

Add value request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	GiftAddValue. Refer to “Appendix E: SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
StreetAddress	Cardholder's billing street address
City	Cardholder's billing city
State	Cardholder's billing state
Zip	Cardholder's billing ZIP or postal code
Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Gift Card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
*EntryMode	7 for e-commerce (default)

Parameter Name	Value
*OrderDesc	Order description
Amount	Amount to be added.
*ValidationCode	A four digit PIN for Gift Cards that are issued with PIN numbers. This field is only validated when a Gift transaction is flagged as e-commerce (7).

Add value response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the Add Value was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Add Value was Approved
Balance	Remaining Balance on the card (if available). If this is not available the name-value pair will not be present.
Points	Point Balance on the card (if available). Only for Loyalty Cards.
ExpirationDate	The expiration date of the card recorded on the Gift Card system (if available). If this is not available the name-value pair will not be present.
ErrorMsg	The Error Message returned if the Add Value is not approved. “Appendix C: Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the Add Value is not approved. “Appendix B: Error Codes” on page 171.

Void activation/void add value request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	GiftVoid . Refer to “Appendix E: SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
FirstName	Cardholder's first name

Parameter Name	Value
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
StreetAddress	Cardholder's billing street address
City	Cardholder's billing city
State	Cardholder's billing state
Zip	Cardholder's billing ZIP or postal code
Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Gift Card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
*EntryMode	7 for e-commerce (default)
*OrderDesc	Order description
Amount	Amount of transaction to be voided.
*ValidationCode	A four digit PIN for Gift Cards that are issued with PIN numbers. This field is only validated when a Gift transaction is flagged as e-commerce (7).

Void activation/void add value response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0=Approved, 1=Not Approved, 2=Exception)
OrderID	The WorldPay Order Number if the Void was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Void was Approved
Balance	Remaining Balance on the card (if available). If this is not available the name-value pair will not be present.
Points	Point Balance on the card (if available). Only for Loyalty Cards.

Parameter Name	Value
ExpirationDate	The expiration date of the card recorded on the Gift Card system (if available). If this is not available the name-value pair will not be present
ErrorMsg	The Error Message returned if the Void is not approved. “Appendix C: Action Codes and Response Literals” on page 174
ErrorCode	The Error Code returned if the Void is not approved. “Appendix B: Error Codes” on page 171.

Balance inquiry request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	GiftBalance. Refer to “Appendix E: SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
StreetAddress	Cardholder's billing street address
City	Cardholder's billing city
State	Cardholder's billing state
Zip	Cardholder's billing ZIP or postal code
Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Gift Card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
*EntryMode	7 for e-commerce (default)
Amount	0
*ValidationCode	A four digit PIN for Gift Cards that are issued with PIN numbers. This field is only validated when a Gift transaction is flagged as e-commerce (7).

Balance inquiry response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the Balance Request was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Balance Request was Approved
Balance	Remaining Balance on the card (if available). If this is not available the name-value pair will not be present.
Points	Point Balance on the card (if available). Only for Loyalty Cards.
ExpirationDate	The expiration date of the card recorded on the Gift Card system (if available). If this is not available the name-value pair will not be present
ErrorMsg	The Error Message returned if the Balance Request is not approved. “Appendix C: Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the Balance Request is not approved. “Appendix B: Error Codes” on page 171.

Gift card partial authorization

Gift card BIN range is 1190 through 1194.

Gift card/Loyalty redeem (TCMP) input name - value pairs request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	GiftRedeem . Refer to “Appendix E: SVCTYPE” on page 190.
MerchantId	WorldPay Merchant ID
TerminalId	WorldPay terminal ID
*CustId	(Formerly the CustomerId); Customer ID provided by the merchant
*FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name

Parameter Name	Value
*BusinessName	Cardholder's business name
*StreetAddress	Cardholder's billing street address
*City	Cardholder's billing city
*State	Cardholder's billing state
*Zip	Cardholder's billing ZIP or postal code
*Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Card number.
ExpirationDate	Expiration date (MM/CCYY)
*Track	Magnetic strip Track data of the card. Track will take precedence over CardNumber and ExpirationDate fields.
*ValidationCode	Gift Card, 4 digits validation code
*Signature	Cardholder signature. <ul style="list-style-type: none"> • 0 - Not present • 1 - Present
PartialAuthSupport	1 - present, if 1 a Partial Authorization is attempted if the balance on the card does not cover the full amount.
*IDMethod	Cardholder ID Method. Refer to "Appendix N: IDMethod" on page 212.
*EntryMode	<ul style="list-style-type: none"> • 0 - Normal Retail • 1 - MOTO • 7 - SSL (e-commerce)
StoreId	Store ID assigned by WorldPay
*CustOrderId	Customer Order ID supplied by the merchant (up to 32 char)
*OrderDesc	Order description
Amount	Amount to be charged to card.
*ApprovedURL	If transaction approved redirect the response to ApprovalURL (Not applicable to Virtual Batch request).
*DeclinedURL	If Transaction declined redirect the response to DeclineURL (Not applicable to Virtual Batch request).
*ClientURL	Send response via POST request to this URL (Not applicable to Virtual Batch request).

Gift card/Loyalty redeem (TCMP) output name—value pairs response

For TransactionStatus=0, the response is redirected to ApprovalURL and for TransactionStatus=1 the response is redirected to DeclinedURL. If ClientURL is present then the response will be sent to ClientURL by POST request. Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
TransactionStatus	Transaction Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	Order number returned by WorldPay
*Balance	Remaining balance on the card if available.
*PartialAuthIndicator	1 - if the amount authorized is less than the amount requested.
*AuthAmount	Amount authorized if Partial Authorization is done
*OriginalAmount	Original Amount requested - will be returned only if Partial Authorization is done
*RemainderAmount	Remainder amount to be collected by the merchant using another Payment method
*Points	Loyalty only
ApprovalCode	Approval Code
ExpirationDate	Card expiration date
ErrorMsg	Error message. “Appendix C: Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the Gift Request is not approved. “Appendix B: Error Codes” on page 171.

Gift card void sale

The Gift void sale request will void a GiftRedeem transaction whose OrderId is sent. A Redeem transaction can be voided only once.

Gift card/Loyalty void sale (TCMP) input name—value pairs request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Gift VoidSale. Refer to “Appendix E: SVCTYPE” on page 190.
MerchantId	WorldPay Merchant ID
TerminalId	WorldPay terminal ID
StoreId	Store ID assigned by WorldPay
*CustOrderId	Customer Order ID supplied by the merchant (up to 32 char)
*OrderDesc	Order description
OrderId	OrderId returned in the response to the original GiftRedeem transaction
*ApprovedURL	If transaction approved redirect the response to ApprovalURL (Not applicable to Virtual Batch request)
*DeclinedURL	Transaction declined redirect the response to DeclineURL (Not applicable to Virtual Batch request)
*ClientURL	End response via POST request to this URL (Not applicable to Virtual Batch request)

Gift card/Loyalty void sale (TCMP) output name—value pairs request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
TransactionStatus	Transaction Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	Order number returned by WorldPay
*Balance	Remaining balance on the card if available.
*Points	Loyalty only
ApprovalCode	Approval Code

Parameter Name	Value
ExpirationDate	Card expiration date
ErrorMsg	Error message. “Appendix C: Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the Gift void sale is not approved. “Appendix B: Error Codes” on page 171.

AVS check input name-value pairs

All parameters are case insensitive.

*-Optional

Parameter Name	Value
Svc Type	AVSCheck
MerchantId	WorldPay Merchant ID
TerminalId	WorldPay terminal ID
* StreetAddress	Cardholder’s billing street address
* City	Cardholder’s billing city
*State	Cardholder’s billing state
*Zip	Cardholder’s billing ZIP or postal code
*Country	Cardholder’s billing country
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/CCYY)
*CVV2	Card Verification Value
*CustOrderId	Customer Order ID supplied by the merchant (up to 32 char)

AVS check output name-value pairs

*-Optional

Parameter Name	Value
TransactionStatus	Transaction Status (0 =Approved, 1 =Not Approved, 2 =Exception)
CVV2Response	CVV2 response. Only and only if CVV2 is sent as part of the request.
AVSResponse	The string for the response (refer to Appendix A).
ApprovalCode	The string for the approval code
ErrorMsg	Error message (refer to Appendix C).

Chapter 2: MOTO (Mail Order/Telephone Order) Operations

This section lists many of the table formats created as part of the template.

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Credit card transactions

Authorization request (to verify and reserve funds)

Parameters "marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Authorize. See Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
*FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
*BusinessName	Cardholder's business name
*StreetAddress	Cardholder's billing street address
*City	Cardholder's billing city
*State	Cardholder's billing state
*Zip	Cardholder's billing ZIP or postal code
*Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
*CVV2	CVV/CVC Value (3 digits)
EntryMode	<ul style="list-style-type: none"> • 1 for MOTO • 2 for a reoccurring payment
*IDMethod	<ul style="list-style-type: none"> • 3 for a transaction from a Self-Service Terminal • 4 for MOTO/e-commerce • 5 for a transaction from a limited amount Self Service Terminal • 6 for a Customer activated transaction
*OrderDesc	Order description

Parameter Name	Value
Amount	Amount to be charged to card.
*FSATotalAmount	Total Amount of FSA Qualified Health Care products. This cannot be greater than the Amount to be charged to the card. If the FSATotalAmount is not sent the other FSA component amounts are ignored. The individual FSA Component amounts cannot be greater than the FSA Total. If invalid FSA amounts are sent they will be ignored. FSA is only supported for Visa and MC at this time. The FSA amounts will not be sent to the network for other cards.
*FSATransitAmount	Amount Transit
*FSAVisionAmount	Vision/Optical services
*FSAOtherAmount	Clinic/Other Qualified medical services
*FSADentalAmount	Dental
*FSARxAmount	Prescription/Rx only
PartialAuthSupport	0 =Terminal does not support partial authorization responses. 1 =Terminal accepts partial authorization responses.

Authorization response (to verify and reserve funds)

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the Authorization was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Authorization was Approved
AVSResponse	The AVS (Address Verification Service) response code if the Authorization was Approved.
CVV2Response	If the CVV2 value was set, the CVV2 Response (if the Authorization was Approved)
PartialAuthIndicator	1 —if the amount authorized is less than the amount requested.
AuthAmount	Amount authorized if Partial Authorization is done.
OriginalAmount	Original Amount requested—will be returned only if Partial Authorization is done.
*RemainderAmount	Remainder amount to be collected by the merchant using another Payment method.
ErrorMsg	The Error Message returned if the Authorization is not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code returned if the Authorization is not approved. Appendix B: "Error Codes" on page 171.
*Balance	Remaining Card Balance (If Available)

Cancel request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Cancel. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
OrderId	WorldPay Order Number of transaction

Parameter Name	Value
Amount	Amount to be charged to card.
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.

Cancel response

Parameters marked with an asterisk (*) are optional

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
ErrorMsg	The Error Message returned if the authorization is not approved. Refer to Appendix C: "Action Codes and Response Literals" on page 174 .
ErrorCode	The Error Code returned if the authorization is not approved. Refer to Appendix B: "Error Codes" on page 171 .
OrderID	The WorldPay Order Number if the authorization was Approved .

Sale request (to verify funds and charge a card)

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Sale . Refer to Appendix E: "SVCTYPE" on page 190 .
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
*FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
*BusinessName	Cardholder's business name
*StreetAddress	Cardholder's billing street address

Parameter Name	Value
*City	Cardholder's billing city
*State	Cardholder's billing state
*Zip	Cardholder's billing ZIP or postal code
*Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
*CVV2	CVV/CVC Value (3 digits)
EntryMode	<ul style="list-style-type: none"> • 1 for MOTO • 2 for a reoccurring payment
*IDMethod	<ul style="list-style-type: none"> • 3 for a transaction from a Self-Service Terminal • 4 for MOTO/e-commerce • 5 for a transaction from a limited amount Self Service Terminal • 6 for a Customer activated transaction
*OrderDesc	Order description
Amount	Amount to be charged to card.
*FSATotalAmount	<p>Total Amount of FSA Qualified Health Care products. This cannot be greater than the Amount to be charged to the card. If the FSATotalAmount is not sent the other FSA component amounts are ignored.</p> <p>The individual FSA Component amounts cannot be greater than the FSA Total. If invalid FSA amounts are sent they will be ignored.</p> <p>FSA is only supported for Visa and MC at this time. The FSA amounts will not be sent to the network for other cards.</p>
*FSATransitAmount	Amount Transit
*FSAVisionAmount	Vision/Optical services
*FSAOtherAmount	Clinic/Other Qualified medical services
*FSADentalAmount	Dental
*FSARxAmount	Prescription/Rx only
PartialAuthSupport	<p>0=Terminal does not support partial authorization responses.</p> <p>1=Terminal accepts partial authorization responses.</p>

Sale response (to verify funds and charge a card)

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the Authorization was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Authorization was Approved
AVSResponse	The AVS (Address Verification Service) response code if the Authorization was Approved
CVV2Response	If the CVV2 value was set, the CVV2 Response (if the Authorization was Approved)
PartialAuthIndicator	1 —if the amount authorized is less than the amount requested.
AuthAmount	Amount authorized if Partial Authorization is done.
OriginalAmount	Original Amount requested—will be returned only if Partial Authorization is done.
*RemainderAmount	Remainder amount to be collected by the merchant using another Payment method.
ErrorMsg	The Error Message returned if the Authorization is not approved. See “Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the Authorization is not approved. See “Error Codes” on page 171.
*Balance	Remaining Card Balance (If Available)

Settlement request (to charge funds reserved by an authorization request)

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Settle. Refer to Appendix E: “SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
OrderId	WorldPay Order Number of transaction
Amount	Dollar amount to settle

Parameter Name	Value
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.
*ShipperName	Shipper name
*TrackingNumber	Shipping tracking number

Settlement response (to charge funds reserved by an authorization request)

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
ErrorMsg	The Error Message returned if the transaction is not approved. See “Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the transaction is not approved. See “Error Codes” on page 171.
OrderId	Order Number of the transaction
OldOrderId	Partial Settle - OrderNumber of the previous transaction (if new Auth has to be performed).

Force capture (using voice authorization) request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	ForceSettle. Refer to Appendix E: “SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
*FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
*BusinessName	Cardholder's business name

Parameter Name	Value
*StreetAddress	Cardholder's billing street address
*City	Cardholder's billing city
*State	Cardholder's billing state
*Zip	Cardholder's billing ZIP or postal code
*Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
EntryMode	1 for MOTO
*IDMethod	<ul style="list-style-type: none">• 3 for a transaction from a Self-Service Terminal• 4 for MOTO/e-commerce• 5 for a transaction from a limited amount Self Service Terminal• 6 for a Customer activated transaction
*OrderDesc	Order description
Amount	Amount to be charged to card
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.
ApprovalCode	Approval Code for transaction

Force capture (using voice authorization) response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	OrderId of the transaction
ErrorMsg	The Error Message if not approved. See “Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code if not approved. See “Error Codes” on page 171.

Refund request (using previous order)

Parameter Name	Value
SvcType	CreditOrder . Refer to Appendix E: “SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
OrderId	WorldPay Order Number of transaction
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.
Amount	Dollar amount to refund (positive amount). If blank assume the credit amount is equal to authorized amount.

Refund response (using previous order)

Parameter Name	Value
TransactionStatus	Transaction status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	The Order Number of the Credited transaction (if approved)
ErrorMsg	The Error Message if not approved. See “Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code if not approved. See “Action Codes and Response Literals” on page 174.

Refund request (using card number)

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Credit. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
*FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
*BusinessName	Cardholder's business name
*StreetAddress	Cardholder's billing street address
*City	Cardholder's billing city
*State	Cardholder's billing state
*Zip	Cardholder's billing ZIP or postal code
*Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
EntryMode	1 for MOTO
*OrderDesc	Order description
Amount	Dollar amount to refund (positive amount). If blank assume the credit amount is equal to authorized amount.
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.

Refund response (using card number)

Parameter Name	Value
TransactionStatus	Transaction status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	The Order Number of the Credited transaction (if approved)
ErrorMsg	The Error Message if not approved. See “Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code if not approved. See “Action Codes and Response Literals” on page 174.

Reauthorization request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	ReAuthorize. Refer to Appendix E: “SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
OrderID	OrderID of successful transaction with payment information to be used
EntryMode	<ul style="list-style-type: none">1 for Mail Order/Telephone Order2 for a reoccurring payment
*OrderDesc	Order description
Amount	Amount to be charged to card.

Reauthorization response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the Authorization was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Authorization was Approved
AVSResponse	The AVS (Address Verification Service) response code if the Authorization was Approved.
ErrorMsg	The Error Message returned if the Authorization is not approved. See “Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the Authorization is not approved. See “Action Codes and Response Literals” on page 174.

Restaurant credit card transactions (with tip)**Authorization request (to verify and reserve funds)**

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Authorize. Refer to Appendix E: “SVCTYPE” on page 190.
AppType	LF
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
*FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
*BusinessName	Cardholder's business name
*StreetAddress	Cardholder's billing street address
*City	Cardholder's billing city
*State	Cardholder's billing state

Parameter Name	Value
*Zip	Cardholder's billing ZIP or postal code
*Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
*CVV2	CVV/CVC Value (3 digits)
EntryMode	1 for MOTO
*IDMethod	<ul style="list-style-type: none"> 3 for a transaction from a Self-Service Terminal 4 for MOTO/e-commerce 5 for a transaction from a limited amount Self Service Terminal 6 for a Customer activated transaction
*OrderDesc	Order description
Amount	Amount to be charged to card.
PartialAuthSupport	0 =Terminal does not support partial authorization responses. 1 =Terminal accepts partial authorization responses.

Authorization response (to verify and reserve funds)

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the Authorization was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Authorization was Approved
AVSResponse	The AVS (Address Verification Service) response code if the Authorization was Approved.
CVV2Response	If the CVV2 value was set, the CVV2 Response (if the Authorization was Approved)
ErrorMsg	The Error Message returned if the Authorization is not approved. See "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code returned if the Authorization is not approved. See "Action Codes and Response Literals" on page 174.
*Balance	Remaining Card Balance (If Available)

Sale request (to verify funds and charge a card)

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Sale. Refer to Appendix E: "SVCTYPE" on page 190.
AppType	LF
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
*FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
*BusinessName	Cardholder's business name
*StreetAddress	Cardholder's billing street address
*City	Cardholder's billing city
*State	Cardholder's billing state
*Zip	Cardholder's billing ZIP or postal code
*Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
*CVV2	CVV/CVC Value (3 digits)
EntryMode	1 for MOTO
*IDMethod	<ul style="list-style-type: none"> 3 for a transaction from a Self-Service Terminal 4 for MOTO/e-commerce 5 for a transaction from a limited amount Self Service Terminal 6 for a Customer activated transaction
*OrderDesc	Order description

Parameter Name	Value
Amount	Amount to be charged to card.
PartialAuthSupport	0 =Terminal does not support partial authorization responses. 1 =Terminal accepts partial authorization responses.

Sale response (to verify funds and charge a card)

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the Authorization was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Authorization was Approved
AVSResponse	The AVS (Address Verification Service) response code if the Authorization was Approved.
CVV2Response	If the CVV2 value was set, the CVV2 Response (if the Authorization was Approved)
ErrorMsg	The Error Message returned if the Authorization is not approved. See "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code returned if the Authorization is not approved. See "Action Codes and Response Literals" on page 174.
*Balance	Remaining Card Balance (If Available)

Settlement request (to charge funds reserved by an authorization request)

Parameters marked with an asterisk (*) are optional

Parameter Name	Value
SvcType	Settle. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
OrderId	WorldPay Order Number of transaction
Amount	Dollar amount to settle (including tip)
*TipAmount	Dollar amount of tip (must be less than or equal to amount)

Parameter Name	Value
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.
*ShipperName	Shipper name
*TrackingNumber	Shipping tracking number

Settlement response (to charge funds reserved by an authorization request)

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
ErrorMsg	The Error Message returned if the transaction is not approved. See “Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the transaction is not approved. See “Action Codes and Response Literals” on page 174.
OrderId	Order Number of the transaction
OldOrderId	Partial Settle - OrderNumber of the previous transaction (if new Auth has to be performed).

Force capture (using voice authorization) request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	ForceSettle . Refer to Appendix E: “SVCTYPE” on page 190.
AppType	LF
StoreId	“Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
*FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name

Parameter Name	Value
*BusinessName	Cardholder's business name
*StreetAddress	Cardholder's billing street address
*City	Cardholder's billing city
*State	Cardholder's billing state
*Zip	Cardholder's billing ZIP or postal code
*Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
EntryMode	1 for MOTO
*IDMethod	<ul style="list-style-type: none"> 3 for a transaction from a Self-Service Terminal 4 for MOTO/e-commerce 5 for a transaction from a limited amount Self Service Terminal 6 for a Customer activated transaction
*OrderDesc	Order description
Amount	Dollar amount to settle (including tip)
*TipAmount	Dollar amount of tip (must be less than or equal to amount)
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.
ApprovalCode	Approval Code for transaction

Force capture (using voice authorization) response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	OrderId of the transaction
ErrorMsg	The Error Message if not approved. See “Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code if not approved. See “Action Codes and Response Literals” on page 174.

Refund request (using previous order)

Parameter Name	Value
SvcType	CreditOrder . Refer to Appendix E: “SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
OrderId	WorldPay Order Number of transaction
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.
Amount	Dollar amount to refund (positive amount). If blank assume the credit amount is equal to authorized amount.

Refund response (using previous order)

Parameter Name	Value
TransactionStatus	Transaction status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	The Order Number of the Credited transaction (if approved)
ErrorMsg	The Error Message if not approved. See “Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code if not approved. See “Action Codes and Response Literals” on page 174.

Refund request (using card number)

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Credit. Refer to Appendix E: "SVCTYPE" on page 190.
AppType	LF
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
*FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
*BusinessName	Cardholder's business name
*StreetAddress	Cardholder's billing street address
*City	Cardholder's billing city
*State	Cardholder's billing state
*Zip	Cardholder's billing ZIP or postal code
*Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
EntryMode	1 for MOTO
*OrderDesc	Order description
Amount	Dollar amount to refund (positive amount). If blank assume the credit amount is equal to authorized amount.
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.

Refund response (using card number)

Parameter Name	Value
TransactionStatus	Transaction status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	The Order Number of the Credited transaction (if approved)
ErrorMsg	The Error Message if not approved. See "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if not approved. See "Action Codes and Response Literals" on page 174.

Gift card/Loyalty card transactions**Redemption request**

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	GiftRedeem. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
*FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
*StreetAddress	Cardholder's billing street address
*City	Cardholder's billing city
*State	Cardholder's billing state
*Zip	Cardholder's billing ZIP or postal code
*Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Gift card number

Parameter Name	Value
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
EntryMode	1 for MOTO
*OrderDesc	Order description
Amount	Amount to be redeemed.

Redemption response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the Redemption was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Redemption was Approved
Balance	Remaining Balance on the card (if available). If this is not available the name-value pair will not be present.
Points	Point Balance on the card (if available). Only for Loyalty Cards.
ExpirationDate	The expiration date of the card recorded on the Gift Card system (if available). If this is not available the name-value pair will not be present
ErrorMsg	The Error Message returned if the Redemption is not approved. See “Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the Redemption is not approved. See “Action Codes and Response Literals” on page 174.

Activation request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	GiftActivation . Refer to Appendix E: “SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)

Parameter Name	Value
*FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
*StreetAddress	Cardholder's billing street address
*City	Cardholder's billing city
*State	Cardholder's billing state
*Zip	Cardholder's billing ZIP or postal code
*Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Gift card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
EntryMode	1 for MOTO
*OrderDesc	Order description
Amount	Amount to be activated.

Activation response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the Activation was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Activation was Approved
Points	Point Balance on the card (if available). Only for Loyalty Cards.
Balance	Remaining Balance on the card (if available). If this is not available the name-value pair will not be present.
ExpirationDate	The expiration date of the card recorded on the Gift Card system (if available). If this is not available the name-value pair will not be present
ErrorMsg	The Error Message returned if the Activation is not approved. See “Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the Activation is not approved. See “Action Codes and Response Literals” on page 174.

Add value request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	GiftAddValue. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
*FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
*StreetAddress	Cardholder's billing street address
*City	Cardholder's billing city
*State	Cardholder's billing state
*Zip	Cardholder's billing ZIP or postal code
*Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Gift card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
EntryMode	1 for MOTO
*OrderDesc	Order description
Amount	Amount to be added.

Add value response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the Add Value was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Add Value was Approved
Balance	Remaining Balance on the card (if available). If this is not available the name-value pair will not be present.
Points	Point Balance on the card (if available). Only for Loyalty Cards.
ExpirationDate	The expiration date of the card recorded on the Gift Card system (if available). If this is not available the name-value pair will not be present
ErrorMsg	The Error Message returned if the Add Value is not approved. See “Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the Add Value is not approved. See “Action Codes and Response Literals” on page 174.

Void activation/void add value request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	GiftVoid . Refer to Appendix E: “SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
*FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
*StreetAddress	Cardholder's billing street address
*City	Cardholder's billing city
*State	Cardholder's billing state
*Zip	Cardholder's billing ZIP or postal code

Parameter Name	Value
*Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Gift card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
EntryMode	1 for MOTO
*OrderDesc	Order description
Amount	Amount of transaction to be voided.

Void activation/void add value response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the Void was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Void was Approved
Balance	Remaining Balance on the card (if available). If this is not available the name-value pair will not be present.
Points	Point Balance on the card (if available). Only for Loyalty Cards.
ExpirationDate	The expiration date of the card recorded on the Gift Card system (if available). If this is not available the name-value pair will not be present
ErrorMsg	The Error Message returned if the Void is not approved. See “Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the Void is not approved. See “Action Codes and Response Literals” on page 174.

Balance inquiry request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	GiftBalance. Refer to Appendix E: “SVCTYPE” on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay

Parameter Name	Value
TerminalId	Terminal ID assigned by WorldPay
*FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
*StreetAddress	Cardholder's billing street address
*City	Cardholder's billing city
*State	Cardholder's billing state
*Zip	Cardholder's billing ZIP or postal code
*Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Gift card number
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
EntryMode	1 for MOTO
Amount	0

Balance inquiry response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the Balance Request was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Balance Request was Approved.
Balance	Remaining Balance on the card (if available). If this is not available the name-value pair will not be present.
Points	Point Balance on the card (if available). Only for Loyalty Cards.
ExpirationDate	The expiration date of the card recorded on the Gift Card system (if available). If this is not available the name-value pair will not be present
ErrorMsg	The Error Message returned if the Balance Request is not approved. See “Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code returned if the Balance Request is not approved. See “Action Codes and Response Literals” on page 174.

Gift card partial authorization

Gift card BIN range is 1190 through 1194.

Gift/Loyalty redeem (TCMP) input name – value pairs request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	GiftRedeem. Refer to Appendix E: “SVCTYPE” on page 190.
MerchantId	WorldPay Merchant ID
TerminalId	WorldPay terminal ID
*CustId	Customer ID provided by the merchant
*FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
*BusinessName	Cardholder's business name
*StreetAddress	Cardholder's billing street address

Parameter Name	Value
*City	Cardholder's billing city
*State	Cardholder's billing state
*Zip	Cardholder's billing ZIP or postal code
*Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Card number.
ExpirationDate	Expiration date (MM/CCYY)
*Track	Magnetic strip Track data of the card. Track will take precedence over CardNumber and ExpirationDate fields.
*ValidationCode	Gift Card, 4 digits validation code
*Signature	Cardholder signature: <ul style="list-style-type: none"> • 0 - Not present • 1 - Present
PartialAuthSupport	1 - present , if a Partial Authorization is attempted if the balance on the card does not cover the full amount.
*IDMethod	Cardholder ID Method. Refer to Appendix M: IDMethod
*EntryMode	<ul style="list-style-type: none"> • 0 - Normal Retail • 1 - MOTO • 7 - SSL (e-commerce)
StoreId	Store ID assigned by WorldPay
*CustOrderId	Customer Order ID supplied by the merchant (up to 32 char)
*OrderDesc	Order description
Amount	Amount to be charged to card.
*ApprovedURL	If transaction approved redirect the response to ApprovalURL (Not applicable to Virtual Batch request).
*DeclinedURL	If Transaction declined redirect the response to DeclineURL (Not applicable to Virtual Batch request).
*ClientURL	Send response via POST request to this URL (Not applicable to Virtual Batch request).

Gift/Loyalty redeem (TCMP) output name – value pairs response

For TransactionStatus=0, the response is redirected to ApprovalURL and for TransactionStatus=1 the response is redirected to DeclinedURL. If ClientURL is present then the response will be sent to ClientURL via POST request.

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
TransactionStatus	TransactionStatus (0=Approved, 1=Not Approved, 2=Exception)
OrderId	Order number returned by WorldPay
*Balance	Remaining balance on the card if available.
*PartialAuthIndicator	1 - if the amount authorized is less than the amount requested.
*AuthAmount	Amount authorized if Partial Authorization is done
*OriginalAmount	Original Amount requested - will be returned only if Partial Authorization is done
*RemainderAmount	Remainder amount to be collected by the merchant using another Payment method
*Points	Loyalty only
ApprovalCode	Approval Code
ExpirationDate	Card expiration date
ErrorMsg	The Error Message if not approved. See “Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code if not approved. See “Action Codes and Response Literals” on page 174.

Gift card void sale

The Gift Void Sale request will void a GiftRedeem transaction whose OrderId is sent. A Redeem transaction can be voided only once.

Gift/Loyalty void Sale (TCMP) input name-value pairs request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Gift Void Sale. Refer to Appendix E: “SVCTYPE” on page 190.
MerchantId	WorldPay Merchant ID

Parameter Name	Value
TerminalId	WorldPay terminal ID
StoreId	Store ID assigned by WorldPay
*CustOrderId	Customer Order ID supplied by the merchant (up to 32 char)
*OrderDesc	Order description
OrderId	OrderId returned in the response to the original GiftRedeem transaction
*ApprovedURL	If transaction approved redirect the response to ApprovalURL (Not applicable to Virtual Batch request)
*DeclinedURL	Transaction declined redirect the response to DeclineURL (Not applicable to Virtual Batch request)
*ClientURL	End response via POST request to this URL (Not applicable to Virtual Batch request)

Gift/Loyalty void sale (TCMP) output name-value pairs request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
TransactionStatus	TransactionStatus (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	Order number returned by WorldPay
*Balance	Remaining balance on the card if available.
*Points	Loyalty only
ApprovalCode	Approval Code
ExpirationDate	Card expiration date
ErrorMsg	The Error Message if not approved. See “Action Codes and Response Literals” on page 174.
ErrorCode	The Error Code if not approved. See “Action Codes and Response Literals” on page 174.

AVS Check Input Name-Value Pairs

All parameters are case insensitive.

*-Optional

Parameter Name	Value
Svc Type	AVSCheck
MerchantId	WorldPay Merchant ID
TerminalId	WorldPay terminal ID
StreetAddress	Cardholder's billing street address
* City	Cardholder's billing city
*State	Cardholder's billing state
ZIP	Cardholder's billing ZIP or postal code
*Country	Cardholder's billing country
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/CCYY)
*CVV2	Card Verification Value
*CustOrderId	Customer Order ID supplied by the merchant (up to 32 char)

AVS Check Output Name-Value Pairs

*-Optional

Parameter Name	Value
TransactionStatus	Transaction Status (0 =Approved, 1 =Not Approved, 2 =Exception)
CVV2Response	CVV2 response. Only and only if CVV2 is sent as part of the request.
AVSResponse	The string for the response (refer to Appendix A).
ApprovalCode	The string for the approval code
ErrorMsg	Error message (refer to Appendix C).

Chapter 3: Face-to-Face/Retail Operations

This chapter describes the face-to-face message formats.

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Credit card transactions

Authorization request (to verify and reserve funds)

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Authorize. “Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
Track	Magnetic stripe data of credit card including begin and end sentinels. Track II (minimum) is required
CardNumber	Credit Card Number (if keyed instead of swiped)
ExpirationDate	Expiration date (MM/YY or MM/YYYY) (if keyed instead of swiped)
*StreetAddress	Cardholder's billing street address (if keyed instead of swiped)
*Zip	Cardholder's billing ZIP or postal code (if keyed instead of swiped)
*CVV2	CVV/CVC Value (if keyed instead of swiped)
EntryMode	0 for Retail
*IDMethod	<ul style="list-style-type: none"> 3 for a transaction from a Self-Service Terminal 5 for a transaction from a limited amount Self Service Terminal 6 for a Customer activated transaction
*EntryMethod	4 for a Radio Frequency ID (RFID) transaction.
Signature	<ul style="list-style-type: none"> 0 = Customer not present to sign receipt 1 = Customer present to sign physical receipt
*OrderDesc	Order description
Amount	Amount to be charged to card
*FSATotalAmount	<p>Total Amount of FSA Qualified Health Care products. This cannot be greater than the Amount to be charged to the card. If the FSATotalAmount is not sent the other FSA component amounts are ignored.</p> <p>The individual FSA Component amounts cannot be greater than the FSA Total. If invalid FSA amounts are sent they will be ignored.</p> <p>FSA is only supported for Visa and MC at this time. The FSA amounts will not be sent to the network for other cards.</p>

Parameter Name	Value
*FSATransitAmount	Amount Transit
*FSAVisionAmount	Vision/Optical services
*FSAOtherAmount	Clinic/Other Qualified medical services
*FSADentalAmount	Dental
*FSARxAmount	Prescription/Rx only
PartialAuthSupport	0 =Terminal does not support partial authorization responses. 1 =Terminal accepts partial authorization responses.

Authorization response (to verify and reserve funds)

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	OrderId of the transaction
ApprovalCode	The Approval Code returned by the Issuer if the Authorization was Approved
AVSResponse	The AVS (Address Verification Service) response code if the Authorization was Approved and AVS data was supplied.
CVV2Response	If the CVV2 value was set, the CVV2 Response (if the Authorization was Approved)
PartialAuthIndicator	1 —if the amount authorized is less than the amount requested.
AuthAmount	Amount authorized if Partial Authorization is done.
OriginalAmount	Original Amount requested—will be returned only if Partial Authorization is done.
*RemainderAmount	Remainder amount to be collected by the merchant using another Payment method.
ErrorMsg	The Error Message if not approved. See “Action Codes and Response Literals” on page 174.
ErrorCode	The Error Message if not approved. See “Action Codes and Response Literals” on page 174.
*Balance	Remaining Card Balance (If Available)

Cancel Request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Cancel. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
OrderId	WorldPay Order Number of transaction
Amount	Amount to be charged to card.
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.

Cancel response

Parameters marked with an asterisk (*) are optional

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
ErrorMsg	The Error Message returned if the authorization is not approved. Refer to Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code returned if the authorization is not approved. Refer to Appendix B: "Error Codes" on page 171.
OrderID	The WorldPay Order Number if the authorization was Approved .

Credit balance inquiry

Parameters marked with an asterisk (*) are optional

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the authorization was Approved .
UCResponse	Verified by Visa/SecureCode response

Parameter Name	Value
PartialAuthIndicator	1 —if the amount authorized is less than the amount requested.
AuthAmount	Amount authorized if Partial Authorization is done.
OriginalAmount	Original Amount requested—will be returned only if Partial Authorization is done.
*RemainderAmount	Remainder amount to be collected by the merchant using another Payment method.
ApprovalCode	The Approval Code returned by the Issuer if the authorization was Approved
AVSResponse	The AVS (Address Verification Service) response code if the authorization was Approved .
CVV2Response	If the CVV2 value was set, the CVV2 Response if the authorization was Approved .
ErrorMsg	The Error Message returned if the authorization is not approved. Refer to Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code returned if the authorization is not approved. Refer to Appendix B: "Error Codes" on page 171.

Sale request (to verify funds and charge a card)

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Sale . Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
Track	Magnetic stripe data of credit card including begin and end sentinels. Track II (minimum) is required
CardNumber	Credit Card Number (if keyed instead of swiped)
ExpirationDate	Expiration date (MM/YY or MM/YYYY) (if keyed instead of swiped)
*StreetAddress	Cardholder's billing street address (if keyed instead of swiped)
*Zip	Cardholder's billing ZIP or postal code (if keyed instead of swiped)
*CVV2	CVV/CVC Value (if keyed instead of swiped)

Parameter Name	Value
EntryMode	0 for Retail
*IDMethod	<ul style="list-style-type: none"> 3 for a transaction from a Self-Service Terminal 5 for a transaction from a limited amount Self Service Terminal 6 for a Customer activated transaction
*EntryMethod	4 for a Radio Frequency ID (RFID) transaction.
Signature	<ul style="list-style-type: none"> 0 = Customer not present to sign receipt 1 = Customer present to sign physical receipt
*OrderDesc	Order description
Amount	Amount to be charged to card
*FSATotalAmount	<p>Total Amount of FSA Qualified Health Care products. This cannot be greater than the Amount to be charged to the card. If the FSATotalAmount is not sent the other FSA component amounts are ignored.</p> <p>The individual FSA Component amounts cannot be greater than the FSA Total. If invalid FSA amounts are sent they will be ignored.</p> <p>FSA is only supported for Visa and MC at this time. The FSA amounts will not be sent to the network for other cards.</p>
*FSATransitAmount	Amount Transit
*FSAVisionAmount	Vision/Optical services
*FSAOtherAmount	Clinic/Other Qualified medical services
*FSADentalAmount	Dental
*FSARxAmount	Prescription/Rx only
PartialAuthSupport	<p>0=Terminal does not support partial authorization responses.</p> <p>1=Terminal accepts partial authorization responses.</p>

Sale response (to verify funds and charge a card)

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	OrderId of the transaction
ApprovalCode	The Approval Code returned by the Issuer if the Authorization was Approved
AVSResponse	The AVS (Address Verification Service) response code if the Authorization was Approved and AVS data was supplied.
CVV2Response	If the CVV2 value was set, the CVV2 Response (if the Authorization was Approved)
PartialAuthIndicator	1 —if the amount authorized is less than the amount requested.
AuthAmount	Amount authorized if Partial Authorization is done.
OriginalAmount	Original Amount requested—will be returned only if Partial Authorization is done.
*RemainderAmount	Remainder amount to be collected by the merchant using another Payment method.
ErrorMsg	The Error Message if not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if not approved. Appendix B: "Error Codes" on page 171.
*Balance	Remaining Card Balance (If Available)

Settlement request (to charge funds reserved by an authorization request)

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Settle. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
OrderId	WorldPay Order Number of transaction
Amount	Dollar amount to settle

Parameter Name	Value
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.
*ShipperName	Shipper name
*TrackingNumber	Shipping tracking number

Settlement response (to charge funds reserved by an authorization request)

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
ErrorMsg	The Error Message returned if the transaction is not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code returned if the transaction is not approved. Appendix B: "Error Codes" on page 171.
OrderId	Order Number of the transaction
OldOrderId	Partial Settle—OrderNumber of the previous transaction (if new Auth has to be performed).

Force capture (using voice authorization) request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	ForceSettle . Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
Track	Magnetic stripe data of credit card including begin and end sentinels. Track II (minimum) is required
CardNumber	Credit Card Number (if keyed instead of swiped)
ExpirationDate	Expiration date (MM/YY or MM/YYYY)

Parameter Name	Value
EntryMode	0 for Retail
*IDMethod	<ul style="list-style-type: none">• 3 for a transaction from a Self-Service Terminal• 5 for a transaction from a limited amount Self Service Terminal• 6 for a Customer activated transaction
Signature	<ul style="list-style-type: none">• 0 = Customer not present to sign receipt• 1 = Customer present to sign physical receipt
*OrderDesc	Order description
Amount	Amount to be charged to card
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.
ApprovalCode	Approval Code for transaction

Force capture (using voice authorization) response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	OrderId of the transaction
ErrorMsg	The Error Message if not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if not approved. Appendix B: "Error Codes" on page 171.

Refund request (using previous order)

Parameter Name	Value
SvcType	CreditOrder . Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
OrderId	WorldPay Order Number of transaction
Amount	Dollar amount to refund (positive amount). If blank assume the credit amount is equal to authorized amount.
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.

Refund response (using previous order)

Parameter Name	Value
TransactionStatus	Transaction status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	The Order Number of the Credited transaction (if approved)
ErrorMsg	The Error Message if not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if not approved. Appendix B: "Error Codes" on page 171.

Refund request (using card number)

Parameter Name	Value
SvcType	Credit. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
Track	Magnetic stripe data of credit card including begin and end sentinels. Track II (minimum) is required
CardNumber	Credit Card Number (if keyed instead of swiped)
ExpirationDate	Expiration date (MM/YY or MM/YYYY) (if keyed instead of swiped)
EntryMode	0 for Retail
*EntryMethod	4 for a Radio Frequency ID (RFID) transaction.
Signature	<ul style="list-style-type: none"> 0 = Customer not present to sign receipt 1 = Customer present to sign physical receipt
*OrderDesc	Order description
Amount	Amount to be charged to card
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.

Refund response (using card number)

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	OrderId of the transaction
ErrorMsg	The Error Message if not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if not approved. Appendix B: "Error Codes" on page 171.

Restaurant credit card transactions (with tip)**Authorization request (to verify and reserve funds)**

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Authorize. Refer to Appendix E: "SVCTYPE" on page 190.
AppType	LF
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
Track	Magnetic stripe data of credit card including begin and end sentinels. Track II (minimum) is required
CardNumber	Credit Card Number (if keyed instead of swiped)
ExpirationDate	Expiration date (MM/YY or MM/YYYY) (if keyed instead of swiped)
*StreetAddress	Cardholder's billing street address (if keyed instead of swiped)
*Zip	Cardholder's billing ZIP or postal code (if keyed instead of swiped)
*CVV2	CVV/CVC Value (if keyed instead of swiped)
EntryMode	0 for Retail
*IDMethod	<ul style="list-style-type: none"> 3 for a transaction from a Self-Service Terminal 5 for a transaction from a limited amount Self Service Terminal 6 for a Customer activated transaction
*EntryMethod	4 for a Radio Frequency ID (RFID) transaction.

Parameter Name	Value
Signature	<ul style="list-style-type: none"> 0 = Customer not present to sign receipt 1 = Customer present to sign physical receipt
*OrderDesc	Order description
Amount	Amount to be charged to card
PartialAuthSupport	0 =Terminal does not support partial authorization responses. 1 =Terminal accepts partial authorization responses.

Authorization response (to verify and reserve funds)

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	OrderId of the transaction
ApprovalCode	The Approval Code returned by the Issuer if the Authorization was Approved
AVSResponse	The AVS (Address Verification Service) response code if the Authorization was Approved and AVS data was supplied.
CVV2Response	If the CVV2 value was set, the CVV2 Response (if the Authorization was Approved)
ErrorMsg	The Error Message if not approved. Appendix C: "Action Codes and Response Literals" on page 174
ErrorCode	The Error Code if not approved. Appendix B: "Error Codes" on page 171.
*Balance	Remaining Card Balance (If Available)

Sale request (to verify funds and charge a card)

Parameter Name	Value
SvcType	Sale. Refer to Appendix E: "SVCTYPE" on page 190.
AppType	LF
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
Track	Magnetic stripe data of credit card including begin and end sentinels. Track II (minimum) is required

Parameter Name	Value
CardNumber	Credit Card Number (if keyed instead of swiped)
ExpirationDate	Expiration date (MM/YY or MM/YYYY) (if keyed instead of swiped)
*StreetAddress	Cardholder's billing street address (if keyed instead of swiped)
*Zip	Cardholder's billing ZIP or postal code (if keyed instead of swiped)
*CVV2	CVV/CVC Value (if keyed instead of swiped)
EntryMode	0 for Retail
*IDMethod	<ul style="list-style-type: none">• 3 for a transaction from a Self-Service Terminal• 5 for a transaction from a limited amount Self Service Terminal• 6 for a Customer activated transaction
*EntryMethod	4 for a Radio Frequency ID (RFID) transaction.
Signature	<ul style="list-style-type: none">• 0 = Customer not present to sign receipt• 1 = Customer present to sign physical receipt
*OrderDesc	Order description
Amount	Amount to be charged to card
PartialAuthSupport	0 =Terminal does not support partial authorization responses. 1 =Terminal accepts partial authorization responses.

Sale response (to verify funds and charge a card)

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	OrderId of the transaction
ApprovalCode	The Approval Code returned by the Issuer if the Authorization was Approved
AVSResponse	The AVS (Address Verification Service) response code if the Authorization was Approved and AVS data was supplied.
CVV2Response	If the CVV2 value was set, the CVV2 Response (if the Authorization was Approved)
ErrorMsg	The Error Message if not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if not approved. Appendix B: "Error Codes" on page 171.
*Balance	Remaining Card Balance (If Available)

Settlement request (to charge funds reserved by an authorization request)

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Settle. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
OrderId	WorldPay Order Number of transaction
Amount	Dollar amount to settle (including tip)
*TipAmount	Dollar amount of tip (must be less than or equal to amount)
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.
*ShipperName	Shipper name
*TrackingNumber	Shipping tracking number

Settlement response (to charge funds reserved by an authorization request)

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
ErrorMsg	The Error Message returned if the transaction is not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code returned if the transaction is not approved. Appendix B: "Error Codes" on page 171.
OrderId	Order Number of the transaction
OldOrderId	Partial Settle—OrderNumber of the previous transaction (if new Auth has to be performed).

Force capture (using voice authorization) request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	ForceSettle . Refer to Appendix E: "SVCTYPE" on page 190 .
AppType	LF
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
Track	Magnetic stripe data of credit card including begin and end sentinels. Track II (minimum) is required
CardNumber	Credit Card Number (if keyed instead of swiped)
ExpirationDate	Expiration date (MM/YY or MM/YYYY)
EntryMode	0 for Retail
*IDMethod	<ul style="list-style-type: none"> 3 for a transaction from a Self-Service Terminal 5 for a transaction from a limited amount Self Service Terminal 6 for a Customer activated transaction
Signature	<ul style="list-style-type: none"> 0 = Customer not present to sign receipt 1 = Customer present to sign physical receipt
*OrderDesc	Order description
Amount	Dollar amount to settle (including tip)
*TipAmount	Dollar amount of tip (must be less than or equal to amount)
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.
ApprovalCode	Approval Code for transaction

Force capture (using voice authorization) response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	OrderId of the transaction
ErrorMsg	The Error Message if not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if not approved. Appendix B: "Error Codes" on page 171.

Refund request (using previous order)

Parameter Name	Value
SvcType	CreditOrder . Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
OrderId	WorldPay Order Number of transaction
Amount	Dollar amount to refund (positive amount). If blank assume the credit amount is equal to authorized amount.
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.

Refund response (using previous order)

Parameter Name	Value
TransactionStatus	Transaction status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	The Order Number of the Credited transaction (if approved)
ErrorMsg	The Error Message if not approved. Appendix C: "Action Codes and Response Literals" on page 174
ErrorCode	The Error Code if not approved. Appendix B: "Error Codes" on page 171.

Refund request (using card number)

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Credit. Refer to Appendix E: "SVCTYPE" on page 190.
AppType	LF
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
Track	Magnetic stripe data of credit card including begin and end sentinels. Track II (minimum) is required
CardNumber	Credit Card Number (if keyed instead of swiped)
ExpirationDate	Expiration date (MM/YY or MM/YYYY) (if keyed instead of swiped)
EntryMode	0 for Retail
*EntryMethod	4 for a Radio Frequency ID (RFID) transaction.
Signature	<ul style="list-style-type: none"> 0 = Customer not present to sign receipt 1 = Customer present to sign physical receipt
*OrderDesc	Order description
Amount	Amount to be charged to card
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.

Refund response (using card number)

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0=Approved, 1=Not Approved, 2=Exception)
OrderId	OrderId of the transaction
ErrorMsg	The Error Message if not approved. Appendix C: "Action Codes and Response Literals" on page 174
ErrorCode	The Error Code if not approved. Appendix B: "Error Codes" on page 171.

Gift card/loyalty card transactions

Redemption request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	GiftRedeem . Refer to Appendix E: "SVCTYPE" on page 190 .
*CustOrderId	Order ID supplied by merchant (up to 32 char)
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
Track	Magnetic stripe data of Gift Card including begin and end sentinels. Track II (minimum) is required
CardNumber	Gift Card Number (if keyed instead of swiped)
ExpirationDate	Expiration date (MM/YY or MM/YYYY) (if keyed instead of swiped)
EntryMode	0 for Retail
Signature	<ul style="list-style-type: none">0 = Customer not present to sign receipt1 = Customer present to sign physical receipt
*OrderDesc	Order description
Amount	Amount to be redeemed.

Redemption response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the Redemption was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Redemption was Approved
Balance	Remaining Balance on the card (if available). If this is not available the name-value pair will not be present.
Points	Point Balance on the card (if available). Only for Loyalty Cards.
ExpirationDate	The expiration date of the card recorded on the Gift system (if available). If this is not available the name-value pair will not be present
ErrorMsg	The Error Message returned if the Redemption is not approved. Appendix C: "Action Codes and Response Literals" on page 174
ErrorCode	The Error Code returned if the Redemption is not approved. Appendix B: "Error Codes" on page 171.

Activation request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	GiftActivation . Refer to Appendix E: "SVCTYPE" on page 190.
*CustOrderID	Order ID supplied by merchant (up to 32 char)
StoreID	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalID	Terminal ID assigned by WorldPay
Track	Magnetic stripe data of Gift Card including begin and end sentinels. Track II (minimum) is required
CardNumber	Gift Card Number (if keyed instead of swiped)
ExpirationDate	Expiration date (MM/YY or MM/YYYY) (if keyed instead of swiped)
EntryMode	0 for Retail
Signature	<ul style="list-style-type: none"> 0 = Customer not present to sign receipt 1 = Customer present to sign physical receipt
*OrderDesc	Order description
Amount	Amount to be activated.

Activation response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the Activation was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Activation was Approved
Balance	Remaining Balance on the card (if available). If this is not available the name-value pair will not be present.
Points	Point Balance on the card (if available). Only for Loyalty Cards.
ExpirationDate	The expiration date of the card recorded on the Gift system (if available). If this is not available the name-value pair will not be present
ErrorMsg	The Error Message returned if the Activation is not approved. Appendix C: "Action Codes and Response Literals" on page 174
ErrorCode	The Error Code returned if the Activation is not approved. Appendix B: "Error Codes" on page 171.

Add value request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	GiftAddValue . Refer to Appendix E: "SVCTYPE" on page 190.
*CustOrderID	Order ID supplied by merchant (up to 32 char)
StoreID	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalID	Terminal ID assigned by WorldPay
Track	Magnetic stripe data of Gift Card including begin and end sentinels. Track II (minimum) is required
CardNumber	Gift Card Number (if keyed instead of swiped)
ExpirationDate	Expiration date (MM/YY or MM/YYYY) (if keyed instead of swiped)
EntryMode	0 for Retail
Signature	<ul style="list-style-type: none"> 0 = Customer not present to sign receipt 1 = Customer present to sign physical receipt

Parameter Name	Value
*OrderDesc	Order description
Amount	Amount to be added.

Add value response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderID	The WorldPay Order Number if the Add Value was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Add Value was Approved
Balance	Remaining Balance on the card (if available). If this is not available the name-value pair will not be present.
Points	Point Balance on the card (if available). Only for Loyalty Cards.
ExpirationDate	The expiration date of the card recorded on the Gift system (if available). If this is not available the name-value pair will not be present
ErrorMsg	The Error Message returned if the Add Value is not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code returned if the Add Value is not approved. Appendix B: "Error Codes" on page 171.

Void activation/void add value request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	GiftVoid . Refer to Appendix E: "SVCTYPE" on page 190.
*CustOrderId	Order ID supplied by merchant (up to 32 char)
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
Track	Magnetic stripe data of Gift Card including begin and end sentinels. Track II (minimum) is required
CardNumber	Gift Card Number (if keyed instead of swiped)
ExpirationDate	Expiration date (MM/YY or MM/YYYY) (if keyed instead of swiped)

Parameter Name	Value
EntryMode	0 for Retail
Signature	<ul style="list-style-type: none"> 0 = Customer not present to sign receipt 1 = Customer present to sign physical receipt
*OrderDesc	Order description
Amount	Amount of transaction to be voided.

Void activation/void add value response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0=Approved, 1=Not Approved, 2=Exception)
OrderID	The WorldPay Order Number if the Void was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Void was Approved
Balance	Remaining Balance on the card (if available). If this is not available the name-value pair will not be present.
Points	Point Balance on the card (if available). Only for Loyalty Cards.
ExpirationDate	The expiration date of the card recorded on the Gift system (if available). If this is not available the name-value pair will not be present
ErrorMsg	The Error Message returned if the Void is not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code returned if the Void is not approved. Appendix B: "Error Codes" on page 171.

Balance inquiry request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	GiftBalance. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
Track	Magnetic stripe data of Gift Card including begin and end sentinels.Track II (minimum) is required

Parameter Name	Value
CardNumber	Gift Card Number (if keyed instead of swiped)
ExpirationDate	Expiration date (MM/YY or MM/YYYY) (if keyed instead of swiped)
EntryMode	0 for Retail
Signature	<ul style="list-style-type: none"> 0 = Customer not present to sign receipt 1 = Customer present to sign physical receipt
*OrderDesc	Order description
Amount	0 (zero)

Balance inquiry response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0=Approved, 1=Not Approved, 2=Exception)
OrderID	The WorldPay Order Number if the Balance Request was Approved.
ApprovalCode	The Approval Code returned by the Issuer if the Balance Request was Approved
Balance	Remaining Balance on the card (if available). If this is not available the name-value pair will not be present.
Points	Point Balance on the card (if available). Only for Loyalty Cards.
ExpirationDate	The expiration date of the card recorded on the Gift system (if available). If this is not available the name-value pair will not be present
ErrorMsg	The Error Message returned if the Balance Request is not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code returned if the Balance Request is not approved. Appendix B: "Error Codes" on page 171.

Gift card partial authorization

Gift card BIN range is 1190 through 1194.

Gift card/Loyalty card redeem (TCMP) input name – value pairs request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	GiftRedeem. Refer to Appendix E: "SVCTYPE" on page 190.
MerchantId	WorldPay Merchant ID
TerminalId	WorldPay terminal ID
*CustId	(Used to be CustomerId); Customer ID provided by the merchant
*FirstName	Cardholder's first name
*MiddleName	Cardholder's middle name
*LastName	Cardholder's last name
*BusinessName	Cardholder's business name
*StreetAddress	Cardholder's billing street address
*City	Cardholder's billing city
*State	Cardholder's billing state
*Zip	Cardholder's billing ZIP or postal code
*Country	Cardholder's billing country
*Email	Cardholder's email address
*Phone	Cardholder's phone number
CardNumber	Card number.
ExpirationDate	Expiration date (MM/CCYY)
*Track	Magnetic strip Track data of the card. Track will take precedence over CardNumber and ExpirationDate fields.
*ValidationCode	Gift Card, 4 digits validation code
*Signature	Card holder signature. <ul style="list-style-type: none"> • 0 - Not present • 1 - Present

Parameter Name	Value
PartialAuthSupport	1 - present, if 1 a Partial Authorization is attempted if the balance on the card does not cover the full amount.
*IDMethod	Cardholder ID Method. Refer to Appendix M: IDMethod
*EntryMode	<ul style="list-style-type: none"> 0 - Normal Retail 1 - MOTO 7 - SSL (e-commerce)
StoreId	Store ID assigned by WorldPay
*CustOrderId	Customer Order ID supplied by the merchant (up to 32 char)
*OrderDesc	Order description
Amount	Amount to be charged to card.
*ApprovedURL	If transaction approved redirect the response to ApprovalURL (Not applicable to Virtual Batch request).
*DeclinedURL	If Transaction declined redirect the response to DeclineURL (Not applicable to Virtual Batch request).
*ClientURL	Send response via POST request to this URL (Not applicable to Virtual Batch request).

Gift card/Loyalty card redeem (TCMP) output name – value pairs response

For TransactionStatus=0, the response is redirected to ApprovalURL and for TransactionStatus=1 the response is redirected to DeclinedURL. If ClientURL is present then the response will be sent to ClientURL via POST request.

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
TransactionStatus	Transaction Status (0=Approved, 1=Not Approved, 2=Exception)
OrderId	Order number returned by WorldPay
*Balance	Remaining balance on the card if available.
PartialAuthIndicator	1 - if the amount authorized is less than the amount requested.
AuthAmount	Amount authorized if Partial Authorization is done
OriginalAmount	Original Amount requested - will be returned only if Partial Authorization is done
*RemainderAmount	Remainder amount to be collected by the merchant using another Payment method
*Points	Loyalty Card only

Parameter Name	Value
ApprovalCode	Approval Code
ExpirationDate	Card expiration date
ErrorMsg	Error message. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	Error message. Appendix B: "Error Codes" on page 171.

Gift card void sale

The Gift Void Sale request will void a GiftRedeem transaction whose OrderId is sent. A Redeem transaction can be voided only once.

Gift card/Loyalty card void sale (TCMP) input name – value pairs request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Gift Void Sale. Refer to Appendix E: "SVCTYPE" on page 190.
MerchantId	WorldPay Merchant ID
TerminalId	WorldPay terminal ID
StoreId	Store ID assigned by WorldPay
*CustOrderId	Customer Order ID supplied by the merchant (up to 32 char)
*OrderDesc	Order description
OrderId	OrderId returned in the response to the original GiftRedeem transaction
*ApprovedURL	If transaction approved redirect the response to ApprovalURL (Not applicable to Virtual Batch request)
*DeclinedURL	Transaction declined redirect the response to DeclineURL (Not applicable to Virtual Batch request)
*ClientURL	End response via POST request to this URL (Not applicable to Virtual Batch request)

Gift card/Loyalty card void sale (TCMP) output name – value pairs request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
TransactionStatus	Transaction Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	Order number returned by WorldPay
*Balance	Remaining balance on the card if available.
*Points	Loyalty Card only
ApprovalCode	Approval Code
ExpirationDate	Card expiration date
ErrorMsg	Error message. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	Error message. Appendix B: "Error Codes" on page 171.

Debit transactions

The transaction information needs to be in the format of **name-value** pair and each pair needs to be separated by an ampersand (&).

Online debit transactions require the following:

- Full track II information obtained via a magnetic stripe reader from a read of the cardholder's debit card.
- The EPB generated by the PIN pad containing the cardholder's PIN
- A debit-accepting merchant account

For Online Debit Transactions, each transaction request will be answered by a response. For each response received (except for Balance Inquiry), an Acknowledgement needs to be generated and sent to WorldPay to confirm that the response was received.

Debit sale request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	DebitSale . Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay

Parameter Name	Value
*CustOrderId	Order ID supplied by merchant (up to 32 char)
*OrderDesc	Order description
Track	Magnetic stripe data of credit card (must include Track II)
EPB	Encrypted PIN block (from the PIN Pad device)
DebitACK	<ul style="list-style-type: none"> ON = Debit Acknowledgement is required to complete this transaction OFF = Debit Acknowledgement is not required to complete this transaction
Amount	Amount to be charged to card (including cash back amount).
*CashBack	Cash back amount
*ENCRYPTKEYTYPE	<p>For PINless Debit transaction the allowed value is L. If no value is passed by the merchant, the encryption key type to be passed is L.</p> <p>For Pinned Debit transactions the allowed values are D,M and T. If no value is passed by the merchant, the encryption key type to be passed is D.</p> <p>L = PINless Debit D = DUKPT (Single or Triple DES) M = Master Session T = Triple DES Master Session</p>

Debit sale response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	OrderId of the transaction if approved
TxSeq	OrderId Sequence Number if approved
Balance	Current Balance of the account (if available - if not available will be omitted)
ErrorMsg	The Error Message if not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if not approved. Appendix B: "Error Codes" on page 171.

Debit void sale request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Debit Void Sale. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.
OrderId	Order ID of the sale to be voided
Track	Magnetic stripe data of credit card (must include Track II)
EPB	Encrypted PIN block (from the PIN Pad device)
*ENCRYPTKEYTYPE	For Pinned Debit transactions the allowed values are D,M and T. If no value is passed by the merchant, the encryption key type to be passed is D. For PINless Debit transaction the allowed value is L. If no value is passed by the merchant, the encryption key type to be passed is L. For Pinned Debit transactions the allowed values are D,M and T. If no value is passed by the merchant, the encryption key type to be passed is D. L = PINless Debit D = DUKPT (Single or Triple DES) M = Master Session T – Triple DES Master Session

Debit void sale response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	OrderId of the transaction if approved
TxSeq	OrderId Sequence Number if approved
ErrorMsg	The Error Message if not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if not approved. Appendix B: "Error Codes" on page 171.

Debit refund request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	DebitReturn . Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.
*CustOrderId	Order ID supplied by merchant (up to 32 char)
*OrderDesc	Order description
Track	Magnetic stripe data of credit card (must include Track II)
EPB	Encrypted PIN block (from the PIN Pad device)
DebitACK	<ul style="list-style-type: none"> ON = Debit Acknowledgement is required to complete this transaction Off = Debit Acknowledgement is not required to complete this transaction

Parameter Name	Value
Amount	Amount to be refunded to card
*ENCRYPTKEYTYPE	<p>For PINless Debit transaction the allowed value is L. If no value is passed by the merchant, the encryption key type to be passed is L.</p> <p>For Pinned Debit transactions the allowed values are D,M and T. If no value is passed by the merchant, the encryption key type to be passed is D.</p> <p>For PINless Debit transaction the allowed value is L. If no value is passed by the merchant, the encryption key type to be passed is L.</p> <p>For Pinned Debit transactions the allowed values are D,M and T. If no value is passed by the merchant, the encryption key type to be passed is D.</p> <p>L = PINless Debit D = DUKPT (Single or Triple DES) M = Master Session T = Triple DES Master Session</p>

Debit refund response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	OrderId of the transaction if approved
TxSeq	OrderId Sequence Number if approved
ErrorMsg	The Error Message if not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if not approved. Appendix B: "Error Codes" on page 171.

Debit balance inquiry request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	DebitBalance. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
Track	Magnetic stripe data of credit card (must include Track II)

Parameter Name	Value
EPB	Encrypted PIN block (from the PIN Pad device)
*ENCRYPTKEYTYPE	<p>For Pinned Debit transactions the allowed values are D,M and T. If no value is passed by the merchant, the encryption key type to be passed is D.</p> <p>For PINless Debit transaction the allowed value is L. If no value is passed by the merchant, the encryption key type to be passed is L.</p> <p>For Pinned Debit transactions the allowed values are D,M and T. If no value is passed by the merchant, the encryption key type to be passed is D.</p> <p>L = PINless Debit D = DUKPT (Single or Triple DES) M = Master Session T = Triple DES Master Session</p>

Debit balance inquiry response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
Balance	Current Balance of the account if approved
ErrorMsg	The Error Message if not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if not approved. Appendix B: "Error Codes" on page 171.

Debit transaction acknowledgement request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Ack. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
OrderId	OrderId of the transaction to be acknowledged
TxSeq	OrderId Sequence Number

Debit transaction acknowledgement response

Parameter Name	Value
AckStatus	Acknowledgement Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	OrderId of the transaction if approved
TxSeq	OrderId Sequence Number if approved
ErrorMsg	The Error Message if not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if not approved. Appendix B: "Error Codes" on page 171.

EBT transactions

The transaction information needs to be in the format of **name-value** pair and each pair needs to be separated by an ampersand (&).

EBT transactions require the following:

- The EPB generated by the PIN pad containing the cardholder's PIN
- An EBT accepting merchant account

EBT cash benefits sale request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	EBTSale . Refer to Appendix E: "SVCTYPE" on page 190 .
PaymentBrand	EBTCash
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*CustOrderId	Order ID supplied by merchant (up to 32 char)
*OrderDesc	Order description
Track	Magnetic stripe data of credit card (must include Track II)
CardNumber	Credit Card Number (if keyed instead of swiped)
ExpirationDate	Expiration date (MM/YY or MM/YYYY) (if keyed instead of swiped)
EPB	Encrypted PIN block (from the PIN Pad device)
Amount	Amount to be charged to card (including cash back amount).
*CashBack	Cash back amount

EBT cash benefits sale response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	OrderId of the transaction if approved
TxSeq	OrderId Sequence Number if approved
FeeAmount	Fee Amount for EBT Cash Benefits Transaction if applicable
CashBalance	Cash Benefits Balance if available
FoodBalance	Food Benefits Balance if available
FCSNumber	FCS Number (if available)
ErrorMsg	The Error Message if not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if not approved. Appendix B: "Error Codes" on page 171.

EBT cash benefits void sale request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	EBT Void Sale. Refer to Appendix E: "SVCTYPE" on page 190.
PaymentBrand	EBTCash
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
*SellerId	Store SellerId associated with the StoreId. The SellerId is mandatory if the security flag is turned on for the store.
*Password	Password associated with the SellerId. The Password is mandatory if the security flag is turned on for the store.
OrderId	Order ID of the sale to be voided
Track	Magnetic stripe data of credit card (must include Track II)
CardNumber	Credit Card Number (if keyed instead of swiped)
ExpirationDate	Expiration date (MM/YY or MM/YYYY) (if keyed instead of swiped)
EPB	Encrypted PIN block (from the PIN Pad device)

EBT cash benefits void sale response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	OrderId of the transaction if approved
TxSeq	OrderId Sequence Number if approved
FeeAmount	Fee Amount for EBT Cash Benefits Transaction if applicable
CashBalance	Cash Benefits Balance if available
FoodBalance	Food Benefits Balance if available
FCSNumber	FCS Number (if available)
ErrorMsg	The Error Message if not approved. Appendix C: "Action Codes and Response Literals" on page 174
ErrorCode	The Error Code if not approved. Appendix B: "Error Codes" on page 171.

EBT cash benefits balance inquiry request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	EBTBalance . Refer to Appendix E: "SVCTYPE" on page 190.
PaymentBrand	EBTCash
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
Track	Magnetic stripe data of credit card (must include Track II)
CardNumber	Credit Card Number (if keyed instead of swiped)
ExpirationDate	Expiration date (MM/YY or MM/YYYY) (if keyed instead of swiped)
EPB	Encrypted PIN block (from the PIN Pad device)

EBT cash benefits balance inquiry response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
FeeAmount	Fee Amount for EBT Cash Benefits Transaction if applicable
CashBalance	Cash Benefits Balance if available
FoodBalance	Food Benefits Balance if available
FCSNumber	FCS Number (if available)
ErrorMsg	The Error Message if not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if not approved. Appendix B: "Error Codes" on page 171.

EBT cash benefits acknowledgement request

Parameter Name	Value
SvcType	Ack. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantID	Merchant ID assigned by WorldPay
TerminalId	Terminal ID assigned by WorldPay
OrderId	OrderId of the transaction to be acknowledged
TxSeq	OrderId Sequence Number

EBT cash benefits acknowledgement response

Parameter Name	Value
AckStatus	Acknowledgement Approval Status (0 =Approved, 1 =Not Approved, 2 =Exception)
OrderId	OrderId of the transaction if approved
TxSeq	OrderId Sequence Number if approved
ErrorMsg	The Error Message if not approved. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if not approved. Appendix B: "Error Codes" on page 171.

AVS Check Input Name-Value Pairs

All parameters are case insensitive.

*-Optional

Parameter Name	Value
Svc Type	AVSCheck
MerchantId	WorldPay Merchant ID
TerminalId	WorldPay terminal ID
* StreetAddress	Cardholder's billing street address
* City	Cardholder's billing city
*State	Cardholder's billing state
*Zip	Cardholder's billing ZIP or postal code
*Country	Cardholder's billing country
CardNumber	Credit card number
ExpirationDate	Expiration date (MM/CCYY)
*CVV2	Card Verification Value
*CustOrderId	Customer Order ID supplied by the merchant (up to 32 char)

AVS Check Output Name-Value Pairs

*-Optional

Parameter Name	Value
TransactionStatus	Transaction Status (0 =Approved, 1 =Not Approved, 2 =Exception)
CVV2Response	CVV2 response. Only and only if CVV2 is sent as part of the request.
AVSResponse	The string for the response (refer to Appendix A).
ApprovalCode	The string for the approval code
ErrorMsg	Error message (refer to Appendix C).

Chapter 4: Resending Transactions / Duplicate Checking

This chapter contains the message formats for resending transactions and duplicate checking.

Topic	See page
Communication error parameters	131

Communication error parameters

The DupCheck field should be enabled when the same transaction is sent more than once due to errors. Customers should be aware that **DupCheck may cause a delay in the response time** as duplicate checking is a resource intensive operation. When a potential Duplicate transaction is encountered the amount and Card number for the transaction are checked against the amount and Card number sent for the new transaction (if sent), to make sure it is a duplicate. Also if CustOrderId is sent it should be unique to do a fast and accurate DupCheck.

The Card number and Amount **are required** to do a DupCheck if CustOrderId is not present. The response for the most recent transaction done which satisfies the criteria for a duplicate is returned.

Name	Value	Description
DupCheck	off (default)	Duplicate checking is disabled
DupCheck CustOrderId	on <i>not present</i>	Search for a duplicate transaction within the last <i>n</i> minutes (DupCheckWindow). If a successful duplicate transaction is found then it will ignore the new transaction and will return the previous response. Otherwise, the new transaction will be processed.
DupCheck CustOrderId	on <i>present</i>	Search for a duplicate transaction within the last <i>n</i> minutes (DupCheckWindow) with this CustOrderId. If a successful transaction is found then it will ignore the new transaction and will return the previous response. Otherwise, the new transaction will be processed. CustOrderId should be unique to ensure that the DupCheck is fast and accurate.
DupCheckWindow	Maximum = 5 minutes Default = 5 minutes	This is optional. Maximum is limited to 5 minutes to ensure that the Dupcheck does not place too much load on the system

Chapter 5: Purchase Card Level II and III Transactions

Purchase Card Level II and Level III data is optional data that can be added to select transaction types.

Topic	See page
Purchase card indicators	133
Purchase card level II data	134
Purchase card level III general data for Visa transactions	134
Purchase card level III line item data for Visa transactions	135
Purchase card level III general data for Master-Card transactions	135
Purchase card level III line item data for Master-Card transactions	136

Purchase card indicators

In order to identify a credit card as a purchase card, the purchase card indicator can be requested in the response of an Authorize transaction by sending the following name-value pair as part of the Authorize transaction request.

Parameter Name	Value
PC2On	Y to have a Purchase Card Indicator returned if available

When available, the following value is received as part of the Authorize transaction response if the purchase card indicator is included for the Authorize request transaction:

Parameter Name	Value
PC2Indicator	Purchase Card Indicator. Only returned when PC2On = Y <ul style="list-style-type: none">• B for a Business Card• R for a Corporate Card• S for a Purchase Card• O for a Non Commercial Card• " " for Purchase Card not supported for this Card (Field is returned blank)

Purchase Card level II or Purchase Card Level III data is sent as part of a Settle transaction request.

Purchase Card Level III data requires additional information to the Purchase Card Level II requirements and also introduces line item details. Line item details have name values followed by "_n". For each series of line items the value for "n" should be incremented by 1 starting with 1.

Example

An example of several fields for two line items in the same transaction:

...&Desc_1=book&ProdCode_1=book123&LineTotal_1=50.00...	Line item 1 details
...&Desc_2=Pen&ProdCode_2=pen123&LineTotal_2=3.00...	Line item 2 details

All transaction information, general Purchase Card III information and all Line Item Detail data for a transaction are submitted together in a single transaction request.

Please note that the maximum field size listed in the charts below does not include the use of a decimal, though a decimal can be used for any quantity value (**Qty_n**). In addition, all dollar amounts require that a decimal is included and that the amount is extended to two decimal places. These two decimal places are included in the total maximum field length listed below.

Purchase card level II data

Parameter	Value	Size	Type
PC2CustId	Cardholder's Customer ID or Reference Number for the Purchase Card	25	AN
TaxAmount	Total tax charged for the transaction	8	N
TaxExempt	<ul style="list-style-type: none"> Y for a tax exempt purchase N for a taxable purchase 	1	A

Purchase card level III general data for Visa transactions

Parameters marked with an asterisk (*) are optional for Purchase Card Level III

Parameter	Value	Size	Type
PC3On	Y to indicate that Purchase Card Level III data is being sent with the transaction	1	A
PC2CustId	Cardholder's Customer ID or Reference Number for the Purchase Card	25	AN
TaxAmount	Total tax charged for the transaction	8	N
TaxExempt	<ul style="list-style-type: none"> Y for a tax exempt purchase N for a taxable purchase 	1	A
*FreightAmount	The dollar amount for Freight for the transaction (Default=0.00)	8	N
*DutyAmount	The dollar amount for Duty for the transaction (Default=0.00)	8	N
DestZip	The destination Zip Code for the transaction	10	AN
OriginZip	The originating Zip Code for the transaction	10	AN
*DestCountryCode	Destination Country Code (Default=840, US code)	3	AN
*MerchantVATNum	Merchant VAT Registration Number	20	AN
*CustVATNum	Customer VAT Registration Number	13	AN
*CmdityCode	Summary Commodity Code for the transaction	4	AN
*DscntAmount	The dollar amount of any discount applied to the transaction	8	N
*VATInvoiceNum	Unique VAT Invoice Number	15	AN
OrderDate	The order date of the transaction (MMDDYY)	6	N

Parameter	Value	Size	Type
*TaxRate	VAT/Tax Rate (Default=0.00)	4	N
*VATTaxAmount	The VAT/Tax amount for the transaction	8	N
LIDCount	Total number of line item details included in the transaction	2	N

Purchase card level III line item data for Visa transactions

Parameters marked with an asterisk (*) are optional for Purchase Card Level III

Parameter	Value	Size	Type
Desc_n	Description of the product or item	35	AN
ProdCode_n	Unique alphanumeric character identifier for the item or service	12	AN
Qty_n	The quantity of the item purchased	10	N
UOM_n	The unit of measurement used for the item or service	12	AN
UCost_n	The cost of the item per unit	10	N
*TaxRate_n	The tax rate for the item or service	4	N
*TaxAmount_n	The total tax amount for the item or service	8	N
ComdityCode_n	The commodity code of the item or service	12	AN
*DscntAmount_n	Discount amount per unit	8	N
LineTotal_n	The dollar amount total for the line item	8	N

Purchase card level III general data for MasterCard transactions

Parameters marked with an asterisk (*) are optional for Purchase Card Level III

Parameter	Value	Size	Type
PC3On	Y to indicate that Purchase Card Level III data is being sent with the transaction	1	A
PC2CustId	Cardholder's Customer ID or Reference Number for the Purchase Card	25	AN
TaxAmount	Total tax charged for the transaction	8	N
TaxExempt	<ul style="list-style-type: none"> Y for a tax exempt purchase N for a taxable purchase 	1	A

Parameter	Value	Size	Type
*FreightAmount	The dollar amount for Freight (Default=0.00)	8	N
*DutyAmount	The dollar amount for Duty (Default=0.00)	8	N
DestZip	The destination Zip Code for the transaction	10	AN
OriginZip	The originating Zip Code for the transaction	10	AN
DestCountryCode	Destination Country Code (Default=840, US code)	3	AN
AltTaxIndicator	<ul style="list-style-type: none"> Y to denote the use of an alternate tax N to denote that no alternate tax was used 	1	A
*VATTaxAmount	Alternate Tax Amount	8	N
LIDCount	Total number of line item details included in the transaction	2	N

Purchase card level III line item data for MasterCard transactions

Parameters marked with an asterisk (*) are optional for Purchase Card Level III

Parameter	Value	Size	Type
Desc_n	Description of the product or item	35	AN
ProdCode_n	Unique alphanumeric character identifier for the item	12	AN
Qty_n	The quantity of the item purchased	10	N
UOM_n	The unit of measurement used for the item	12	AN
*TaxRate_n	The tax rate for the item	4	N
*TaxAmount_n	The total tax amount for the item	8	N

Parameter	Value	Size	Type
TaxType_n	<ul style="list-style-type: none"> • 0000 = an 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 (GST) • 0012 = Provincial Sales Tax (PST) • 0013 = Harmonized Sales Tax (HST) • 0014 = Quebec Sales Tax (QST) • 0020 = Room Tax • 0021 = Occupancy Tax • 0022 = Energy Tax <p>Note: Entering a “” “” for Tax is not supported at the line item level. A value must be entered to avoid an error.</p>	4	N
DscntIndicator_n	<ul style="list-style-type: none"> • Y for a line item with a discount amount • N for a line item without a discount amount 	1	A
*DscntAmount_n	Discount amount per line item	8	N
*DscntRate_n	Discount rate per line item	5	N
*DC_n	<ul style="list-style-type: none"> • D if the line item is for a sale (Default) • C if the line item is a return 	1	A
*AltTaxId_n	The Tax ID for alternate tax amount	15	AN
GNIndicator_n	<ul style="list-style-type: none"> • Y if the LineTotal field includes any tax • N if the LineTotal field does not include tax 	1	A
LineTotal_n	The dollar amount total for the line item	8	N

Chapter 6: Certegy Check Processing

This chapter contains the parameters for Certegy check processing.

Topic	See page
Certegy type 10 (driver's license with or without check number) request	139
Certegy type 30 (full MICR 1) request	140
Certegy type 40 (full MICR 2) request	141
Certegy type 50 (C.O.D.) request	143
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Certegy type 80 (electronic check conversion sale) request	145
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Certegy type 83 (electronic check conversion void sale) request	149

Certegy type 10 (driver's license with or without check number) request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	CheckGuarantee. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	WorldPay Merchant ID
TerminalId	WorldPay terminal ID
*DLNName	Customer's name
DLNState	State Code of the Driver License
DLN	Driver License Number
*DOB	Customer's date of birth (mmddyyyy)
*SSN	Customer's social security number without formatting characters
*StreetAddress	Customer's street address
*Zip	Customer's 5 or 9 digit zip code
*Phone	Customer's phone number including the area code without formatting characters
*CheckNumber	Sequence number of the check
AccountType	<ul style="list-style-type: none"> • 01 = Personal Check • 02 = Business/Corporate Check
*ProductCode	An optional code for use with Certegy
*OrderDesc	Order description
*CustOrderId	Customer's Order ID
Signature	0 = Customer not present 1 = Customer present
Amount	Check amount

Certegy type 10 response (driver's license with or without check number) response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 = Completed, 2 = Exception)
OrderId	Order number returned by WorldPay
RefNumber	Certegy Reference number
ActionCode	Transaction response
ErrorMsg	The Error Message if the transaction did not complete. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if the transaction did not complete. Appendix B: "Error Codes" on page 171.

Certegy type 30 (full MICR 1) request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	CheckGuarantee . Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	WorldPay Merchant ID
TerminalId	WorldPay terminal ID
*DLNName	Customer's name
DLNState	FM
*DOB	Customer's date of birth (mmddyyyy)
*SSN	Customer's social security number without formatting characters
*StreetAddress	Customer's street address
*Zip	Customer's 5 or 9 digit zip code
*Phone	Customer's phone number including the area code without formatting characters
MICRData	MICR Data for the check
CheckNumber	Sequence number of the check (Required for manual transactions)
RoutingNumber	Bank Routing number (Required for manual transactions)

Parameter Name	Value
AccountNumber	Bank account number (Required for manual transactions)
AccountType	<ul style="list-style-type: none"> • 01 = Personal Check • 02 = Business/Corporate Check
*ProductCode	An optional code for use with Certegy
*OrderDesc	Order description
*CustOrderId	Customer's Order ID
Signature	0 = Customer not present 1 = Customer present
Amount	Check amount

Certegy type 30 response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0= Completed, 2=Exception)
OrderId	Order number returned by WorldPay
RefNumber	Certegy Reference number
ActionCode	Transaction response
ErrorMsg	The Error Message if the transaction did not complete. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if the transaction did not complete. Appendix B: "Error Codes" on page 171.

Certegy type 40 (full MICR 2) request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	CheckGuarantee. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	WorldPay Merchant ID
TerminalId	WorldPay terminal ID
*DLNName	Customer's name
DLNState	State Code of the Driver License

Parameter Name	Value
DLN	Driver License Number
*DOB	Customer's date of birth (mmddyyyy)
*SSN	Customer's social security number without formatting characters
*StreetAddress	Customer's street address
*Zip	Customer's 5 or 9 digit zip code
*Phone	Customer's phone number including the area code without formatting characters
MICRData	MICR Data for the check
CheckNumber	Sequence number of the check (Required for manual transactions)
RoutingNumber	Bank Routing number (Required for manual transactions)
AccountNumber	Bank account number (Required for manual transactions)
AccountType	<ul style="list-style-type: none"> • 01= Personal Check • 02 = Business/Corporate Check
*ProductCode	An optional code for use with Certegy
*OrderDesc	Order description
*CustOrderId	Customer's Order ID
Signature	<ul style="list-style-type: none"> • 0 = Customer not present • 1 = Customer present
Amount	Check amount

Certegy type 40 response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 = Completed, 2 = Exception)
OrderId	Order number returned by WorldPay
RefNumber	Certegy Reference number
ActionCode	Transaction response
ErrorMsg	The Error Message if the transaction did not complete. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if the transaction did not complete. Appendix B: "Error Codes" on page 171.

Certegy type 50 (C.O.D.) request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	CheckGuarantee . Refer to Appendix E: "SVCTYPE" on page 190 .
StoreId	Store ID assigned by WorldPay
MerchantId	WorldPay Merchant ID
TerminalId	WorldPay terminal ID
DLNState	CD
*DOB	Customer's date of birth (mmddyyyy)
*SSN	Customer's social security number without formatting characters
*StreetAddress	Customer's street address
Zip	Customer's 5 or 9 digit zip code
Phone	Customer's phone number including the area code without formatting characters
*CheckNumber	Sequence number of the check (Required if the check is manually entered)
AccountType	<ul style="list-style-type: none">• 01 = Personal Check• 02 = Business/Corporate Check
*ProductCode	An optional code for use with Certegy
*OrderDesc	Order description
*CustOrderId	Customer's Order ID
Signature	<ul style="list-style-type: none">• 0 = Customer not present• 1 = Customer present
Amount	Check amount

Certegy type 50 response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 = Completed, 2 =Exception)
OrderId	Order number returned by WorldPay
RefNumber	Certegy Reference number
ActionCode	Transaction response
ErrorMsg	The Error Message if the transaction did not complete. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if the transaction did not complete. Appendix B: "Error Codes" on page 171.

Certegy type 60 (ID free) request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	CheckGuarantee . Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	WorldPay Merchant ID
TerminalId	WorldPay terminal ID
*DLNName	Customer's name
DLNState	FM for the first attempt. State Code of the Driver License for the second attempt.
DLN	Driver License Number (Second attempt only)
DOB	Customer's date of birth (mmddyyyy). Optional on the first attempt, Required on the second attempt.
*SSN	Customer's social security number without formatting characters
*StreetAddress	Customer's street address
*Zip	Customer's 5 or 9 digit zip code
*Phone	Customer's phone number including the area code without formatting characters
MICRData	MICR Data for the check
CheckNumber	Sequence number of the check (Required for manual transactions)

Parameter Name	Value
RoutingNumber	Bank Routing number (Required for manual transactions)
AccountNumber	Bank account number (Required for manual transactions)
AccountType	<ul style="list-style-type: none"> • 01 = Personal Check • 02 = Business/Corporate Check
ReqNumber	<ul style="list-style-type: none"> • 1 = First Attempt • 2 = Second Attempt
*ProductCode	An optional code for use with Certegy
*OrderDesc	Order description
*CustOrderId	Customer's Order ID
Signature	<ul style="list-style-type: none"> • 0 = Customer not present • 1 = Customer present
Amount	Check amount

Certegy type 60 response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 = Completed, 2 =Exception)
OrderId	Order number returned by WorldPay
RefNumber	Certegy Reference number
ActionCode	Transaction response
ErrorMsg	The Error Message if the transaction did not complete. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if the transaction did not complete. Appendix B: "Error Codes" on page 171.

Certegy type 80 (electronic check conversion sale) request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	CheckGuarantee. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	WorldPay Merchant ID

Parameter Name	Value
TerminalId	WorldPay terminal ID
*DLNName	Customer's name
*DLNState	State Code of the Driver License
*DLN	Driver License Number
*DOB	Customer's date of birth (mmddyyyy)
*SSN	Customer's social security number without formatting characters
*StreetAddress	Customer's street address
*Zip	Customer's 5 or 9 digit zip code
*Phone	Customer's phone number including the area code without formatting characters
MICRData	Swiped MICR Data
AccountType	01 = Personal Check
*ProductCode	An optional code for use with Certegy
*OrderDesc	Order description
*CustOrderId	Customer's Order ID
Signature	1 = Customer present
Amount	Check amount

Certegy type 80 response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 = Completed, 2 =Exception)
OrderId	Order number returned by WorldPay
RefNumber	Certegy Reference number
ActionCode	Transaction response
ErrorMsg	The Error Message if the transaction did not complete. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if the transaction did not complete. Appendix B: "Error Codes" on page 171.

Certegy type 81 (electronic check conversion authorization only) request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	CheckAuth. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	WorldPay Merchant ID
TerminalId	WorldPay terminal ID
*DLNName	Customer's name
*DLNState	State Code of the Driver License
*DLN	Driver License Number
*DOB	Customer's date of birth (mmddyyyy)
*SSN	Customer's social security number without formatting characters
*StreetAddress	Customer's street address
*Zip	Customer's 5 or 9 digit zip code
*Phone	Customer's phone number including the area code without formatting characters
MICRData	Swiped MICR Data
AccountType	01 = Personal Check
*ProductCode	An optional code for use with Certegy
*OrderDesc	Order description
*CustOrderId	Customer's Order ID
Signature	1 = Customer present
Amount	Check amount

Certegy type 81 response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0 = Completed, 2 =Exception)
OrderId	Order number returned by WorldPay
RefNumber	Certegy Reference number
ActionCode	Transaction response
ErrorMsg	The Error Message if the transaction did not complete. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if the transaction did not complete. Appendix B: "Error Codes" on page 171.

Certegy type 82 (electronic check conversion acknowledgement of sale) request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	CheckCompletion . Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	WorldPay Merchant ID
TerminalId	WorldPay terminal ID
RefNumber	Reference Number of the sale being acknowledged
AccountType	01 = Personal Check
*ProductCode	An optional code for use with Certegy
Signature	1 = Customer present
Amount	Check amount

Certegy type 82 response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0= Completed, 2=Exception)
OrderId	Order number returned by WorldPay
RefNumber	Certegy Reference number
ActionCode	Transaction response
ErrorMsg	The Error Message if the transaction did not complete. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if the transaction did not complete. Appendix B: "Error Codes" on page 171.

Certegy type 83 (electronic check conversion void sale) request

Parameters marked with an asterisk (*) are optional.

Parameter Name	Value
SvcType	Check Void Sale. Refer to Appendix E: "SVCTYPE" on page 190.
StoreId	Store ID assigned by WorldPay
MerchantId	WorldPay Merchant ID
TerminalId	WorldPay terminal ID
RefNumber	Reference Number of the sale being voided
AccountType	01 = Personal Check
*ProductCode	An optional code for use with Certegy
Signature	1 = Customer present
Amount	Check amount

Certegy type 83 response

Parameter Name	Value
TransactionStatus	Transaction Approval Status (0= Completed, 2=Exception)
OrderId	Order number returned by WorldPay
RefNumber	Certegy Reference number
ActionCode	Transaction response.
ErrorMsg	The Error Message if the transaction did not complete. Appendix C: "Action Codes and Response Literals" on page 174.
ErrorCode	The Error Code if the transaction did not complete. Appendix B: "Error Codes" on page 171.

Chapter 7: Direct Debit-US Processing

This chapter contains the parameters for Direct Debit-US processing.

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Authentication only request	152
Deposit request	157
Force deposit request	160
Redeposit request	162
Refund order request	164
Refund request	165
Validation only request	167
Verification only request	169

External services

Experian. Experian is used for authenticating a cardholder's identity. The cardholder's information such as name, address, phone number, and so on, are passed to Experian and the response is returned back to the merchant. If the service is down a Service Down response code is returned to the merchant.

Service Objects. Service Objects (DOTS) are used for doing a Bogus Name check on a cardholder. This is a noncritical service and if it is not available for any reason the rest of the transaction will be performed. If the service is down, this check is skipped (merchant will not perform) and an internal email will be generated to perform corrective action. The service will also be skipped if the service takes too long to respond—timeout will be configurable.

If the service returns a positive for a fraudulent name, an error response will be returned.

Certegy. Certegy maintains a current database of negative account information. It is used to verify that there is no negative information about a cardholder's account. This is an optional service. If the service is not available, an appropriate response will be returned. If the response returned is not an approval, a data dictionary is used to map the response to the appropriate error code.

Authentication only request

An **Authentication only** request is a standalone transaction and validates cardholder related information such as name, address, and date of birth. Authentication requests never create monetary transactions. It is solely for merchant knowledge on the customer.

Parameters marked with an asterisk (*) are optional.

Parameter	Value	Size	Type
SvcType	The valid value is: DD_US_AUTHENTICATE . This parameter represents the transaction type. See Appendix E: "SVCTYPE" on page 190 .	32	A
StoreId	Merchant Store ID	32	N
MerchantId	WorldPay Merchant ID	16	N
TerminalId	WorldPay Terminal ID	8	AN
*SellerId	Store seller ID associated with the store ID. Required if the store's security flag is on.	16	AN
*Password	Password associated with the seller ID. Required if the store's security flag is on.	16	AN
FirstName	Customer first name. If a corporate check is submitted, do not use the name of the person presenting the check. Instead, use Business for the first name. Note: Special characters (such as #, %, \$) may generate errors.	15	A

Parameter	Value	Size	Type
LastName	Customer last name. If a corporate check is submitted, do not use the name of the person presenting the check. Instead, use Account for the last name. Note: Special characters (such as #, %, \$) may generate errors.	64	A
StreetAddress	Customer's street address. Note: Special characters (such as #, %, \$) may generate errors.	68	AN
City	Customer's city name	38	A
State	Customer's state Refer to "US states" on page 186	2	A
Zip	Customer's five-digit ZIP code	5	N
*DLNState	Driver license state	2	A
*DLN	Driver license number, no spaces allowed.	21	AN
*DOB	Customer's date of birth (mmddyyyy)	8	AN
*SSN	Customer's social security number. Acceptable formatting is NNN-NN-NNNN (11 digits, with formatting marks)	11	AN
*Phone	Customer's phone number including the area code; without formatting characters. Acceptable formatting includes: <ul style="list-style-type: none"> NNNNNNNNNN (10 digits, no formatting marks) NNN-NNN-NNNN (12 digits, with formatting marks) 	12	AN
*Email	Customer's email address	50	AN

Authentication only response

There are two possible responses that can be received: success or error.

Successful response

The following table shows the data included in a response that is considered a success.

Parameter Name	Value
TransactionStatus	0 = Success
OrderID	Direct Debit OrderId number returned by Direct Debit API and Authentication response. This unique ID is generated when an Authenticate Request is processed. It is to be returned in subsequent monetary transactions like Deposit, Refund, and ForceDeposit to associate the monetary transaction with the Authentication. It is used to satisfy any Bank queries about proof of Authentication.
CheckPointSummary	Contains information about the parameters sent in the authenticate message. For more information about the parameters in the check point summary, see "Check point summary" on page 155 . For information about the specific codes returned in this parameter, see Appendix K: "Check Point Summary Codes" on page 197 .
Fraud Shield Indicators	Contains information about the fraud check performed. For more information about the values returned, see "Fraud shield indicators" on page 156 .

Error response

The following tables shows the data included in response that has errors.

Parameter Name	Value
TransactionStatus	<ul style="list-style-type: none">• 1 = Failure• 2 = Exception
OrderID	Direct Debit OrderId number returned by Direct Debit API and Authentication response. This unique ID is generated when an Authenticate Request is processed. It is to be returned in subsequent monetary transactions like Deposit, Refund, and ForceDeposit to associate the monetary transaction with the authentication. It is used to satisfy any bank queries about proof of authentication.
ErrorMsg	Descriptive text message describing error
ErrorCode	Error code returned by Experian/Direct Debit API. See Appendix J: "Experian Error Codes" on page 196 and Appendix L: "Direct Debit Error Codes" on page 208 .

Check point summary

The check point summary returns information about the parameters sent in the authenticate message. If a parameter is not submitted in the authenticate message, no information will be returned for the associated parameters in the check point summary. For information about specific codes returned in the check point summary, see [Appendix K: "Check Point Summary Codes" on page 197](#).

The following table defines the information returned in the check point summary.:

Parameter	Description
PrimaryResultCode	Identifies the results of the search and any errors associated with the search.
BestPickAcceptDeny	This value is not returned for the check point summary and should always be blank.
AddrCode	Identifies the results found based on the address submitted.
PhnCode	Identifies the results found based on the phone number submitted.
AddrTypeCode	Identifies what type of address was submitted in the request.
COACode	Identifies the results found for a change of address check.
SSNCode	Identifies the results found to verify the Social Security Number submitted.

Parameter	Description
AddrUnitMismatchCode	This value is not returned for the check point summary and should always be blank.
PhnUnitMismatchCode	This value is not returned for the check point summary and should always be blank.
DLResultCode	Identifies the results found based on the driver's licences information submitted.
DateOfBirthMatch	Identifies the results found based on the date of birth information submitted.
HighRiskAddrCode	Identifies any high risk address information that is associated with the address information submitted.
HighRiskPhoneCode	Identifies any high risk phone number information that is associated with the phone information submitted.
OFACValidationResult	Identifies if the information submitted in the request is on the OFAC list and specifies what pieces of information are present on the OFAC list if there is a match.
AddrResMatches	Identifies the number of residential records that matched the address submitted in the authenticate message.
AddrBusMatches	Identifies the number of business record that matched the address submitted in the authenticate message.
PhnResMatches	Identifies the number of residential records that matched the phone number submitted in the authenticate message.
PhnBusMatches	Identifies the number of business record that matched the phone number submitted in the authenticate message.

Fraud shield indicators

The Fraud Shield provides consumer fraud information to a merchant. This information is used to in an effort to protect a merchant from fraudulent transactions, however, it is important to note that no fraud check is perfect and a chance for fraudulent activity is always present.

- If a **N** is displayed after a parameter, it signifies **No** for the value.
- If a **Y** is displayed after a parameter, it signifies **Yes** for the value.

Parameter	Value
FS01	Inquiry/Online current address conflict
FS02	Inquiry address first reported < 90 days
FS03	Inquiry current address not on-file
FS04	Input SSN not issued as of MM/YY

Parameter	Value
FS05	Input SSN recorded as deceased
FS06	Inquiry age younger than SSN issue date
FS10	INQ: Type of high risk address
FS11	INQ:Nonresidential address
FS13	High probability SSN belongs to another
FS14	Input SSN invalid
FS15	INQ:Address reported cautious
FS16	FILE: Type of high risk address
FS17	FILE: Non Residential address
FS18	FILE: reported cautious
FS21	Telephone number inconsistent with address
FS25	Best on file SSN recorded as deceased
FS26	Best on file SSN not issued as of MM/YY
FS27	SSN Reported more frequently for another

Deposit request

The Deposit request gathers information for deposits and for mandatory validation routines. Verification is performed if the **Verify** flag is **Y** (N is the default). If a positive response is received, then the transaction is auto-deposited and settled.

Parameters marked with an asterisk (*) are optional.

Parameter	Value	Size	Type
SvcType	The valid value is: DD_US_DEPOSIT . This parameter represents the transaction type. See Appendix E: "SVCTYPE" on page 190 .	32	A
StoreId	Merchant Store ID	32	N
MerchantId	WorldPay Merchant ID	16	N
TerminalId	WorldPay Terminal ID	8	AN
*SellerId	Store seller ID associated with the store ID. Required if the store's security flag is on.	16	AN
*Password	Password associated with the seller ID. Required if the store's security flag is on.	16	AN

Parameter	Value	Size	Type
*DD_US_AuthId	Authentication identification number returned when the merchant authenticated the customer. This unique ID is generated when an Authenticate Request is processed. It is to be returned in subsequent monetary transactions like Deposit, Refund, and ForceDeposit to associate the monetary transaction with the Authentication. It is used to satisfy any Bank queries about proof of Authentication.	32	N
FirstName	Customer first name. If a corporate check is submitted, do not use the name of the person presenting the check. Instead, use Business for the first name.	15	A
LastName	Customer last name. If a corporate check is submitted, do not use the name of the person presenting the check. Instead, use Account for the last name.	64	A
AccountType	<ul style="list-style-type: none"> 01 = Checking, Commercial 02 = Savings 	2	AN
RoutingNumber	Bank routing number	9	N
AccountNumber	Checking account number	20	N
*CheckNumber	The number of the check	6	N
*CountryCode	Country code; defaults to US	3	A
*CurrencyCode	Currency code; defaults to USD	3	A
Amount	Amount of the check	8	N
*CustOrderId	Order Id supplied by the customer	20	AN
*OrderDesc	Order description	20	A
*BusinessName	Optional business name to be passed to NACHA	50	AN
*AddendaRecord	Value is passed to NACHA unmodified	80	AN
TxSource	Transaction source. Valid values include: <ul style="list-style-type: none"> WE = WEB; transactions that originate from the internet. TE = TEL; transactions that are mail order or telephone orders (MOTO) CC = CCD; transactions that originate from cash concentration and disbursement, such as payroll. PP = PPD; transactions that are recurring billings. 	2	A

Parameter	Value	Size	Type
*RecurFlag	<ul style="list-style-type: none">Y = RecurringN = Single payment Defaults to N.	1	A
*VerifyFlag	Merchant request for verification <ul style="list-style-type: none">Y = YesN = No	1	A

Deposit response

If a positive response is received, the transaction is auto-deposited and settled.

Parameter Name	Value
TransactionStatus	<ul style="list-style-type: none">0 = Success1 = Failure2 = Exception
OrderId	OrderId returned by Direct Debit API for successful requests
*NewRoutingNumber	Corrected routing number; only returned if there is a NOC listing a new routing number.
*NewAccountNumber	Corrected account number; only returned if there is a NOC listing a new account number.
*NewAccountType	Corrected account type; only returned if there is a NOC listing a new account number.
ErrorMsg	Descriptive text message describing error
ErrorCode	See Appendix L: "Direct Debit Error Codes" on page 208.

Force deposit request

A **force deposit request** bypasses all authentication, validation, and verification routines and simply settles the transaction. This may be a high risk transaction and could result in a return.

Parameters marked with an asterisk (*) are optional.

Parameter	Value	Size	Type
SvcType	The valid value is: DD_US_FORCEDPOSIT . This parameter represents the transaction type. See Appendix E: "SVC-TYPE" on page 190 .	32	A
StoreId	Merchant Store ID	32	N
MerchantId	WorldPay Merchant ID	16	N
TerminalId	WorldPay Terminal ID	8	AN
*SellerId	Store seller ID associated with the store ID. Required if the store's security flag is on.	16	AN
*Password	Password associated with the seller ID. Required if the store's security flag is on.	16	AN
*DD_US_AuthId	Authentication ID returned when the merchant authenticated this customer. This unique ID is generated when an Authenticate Request is processed. It is to be returned in subsequent monetary transactions like Deposit, Refund, and ForceDeposit to associate the monetary transaction with the Authentication. It is used to satisfy any Bank queries about proof of Authentication.	32	N
FirstName	Customer first name. If a corporate check is submitted, do not use the name of the person presenting the check. Instead, use Business for the first name.	15	A
LastName	Customer last name. If a corporate check is submitted, do not use the name of the person presenting the check. Instead, use Account for the last name.	64	A
AccountType	<ul style="list-style-type: none"> 01 = Checking, Commercial 02 = Savings 	2	AN
RoutingNumber	Bank routing number	9	N
AccountNumber	Checking account number	20	N
*CheckNumber	The number of the check	6	N
*CountryCode	Country code; defaults to US	3	A
*CurrencyCode	Currency code; defaults to USD	3	A

Parameter	Value	Size	Type
Amount	Amount of the check	8	N
*CustOrderId	Order Id supplied by the customer	20	AN
*OrderDesc	Order description	20	A
*BusinessName	Optional business name to be passed to NACHA	50	AN
*AddendaRecord	Value is passed to NACHA unmodified	80	AN
*RecurFlag	<ul style="list-style-type: none"> Y = Recurring N = Single payment (Defaults to N) 	1	A
TxSource	Transaction source. Valid values include: <ul style="list-style-type: none"> WE = WEB; transactions that originate from the internet. TE = TEL; transactions that are mail order or telephone orders (MOTO) CC = CCD; transactions that originate from cash concentration and disbursement, such as payroll. PP = PPD; transactions that are recurring billings. 	2	A

Force deposit response

Parameter Name	Value
TransactionStatus	<ul style="list-style-type: none"> 0 = Success 1 = Failure 2 = Exception
OrderId	Order ID returned by Direct Debit API
ErrorMsg	Descriptive text message describing error
ErrorCode	See Appendix L: "Direct Debit Error Codes" on page 208.

Redeposit request

The **redeposit request** gathers information for deposits and mandatory validation routines. Verification is performed if the **Verify** flag is **Y** (N is the default). If a positive response is received, then the transaction is auto-deposited and settled.

Parameters marked with an asterisk (*) are optional.

Parameter	Value	Size	Type
SvcType	The valid value is: DD_US_REDEPOSIT . This parameter represents the transaction type. See "Value=CreditBalance" on page 190 .	32	A
StoreId	Merchant Store ID	32	N
MerchantId	WorldPay Merchant ID	16	N
TerminalId	WorldPay Terminal ID	8	AN
*SellerId	Store seller ID associated with the store ID. Required if the store's security flag is on.	16	AN
*Password	Password associated with the seller ID. Required if the store's security flag is on.	16	AN
OrderId	A Direct Debit API generated OrderID. The field is populated with an OrderID from a previously successful deposit.	32	N
*Amount	Amount of the check	8	N
*CustOrderId	Order Id supplied by the customer	20	AN
*OrderDesc	Order description	20	A
*AddendaRecord	Value is passed to NACHA unmodified	80	AN
TxSource	Transaction source. Valid values include: <ul style="list-style-type: none"> WE = WEB; transactions that originate from the internet. TE = TEL; transactions that are mail order or telephone orders (MOTO) CC = CCD; transactions that originate from cash concentration and disbursement, such as payroll. PP = PPD; transactions that are recurring billings. 	2	A

Redeposit response

If a positive response is received, the transaction is auto-deposited and settled.

Parameter Name	Value
TransactionStatus	<ul style="list-style-type: none">• 0 = Success• 1 = Failure• 2 = Exception
OrderId	Order ID returned by Direct Debit API
*NewRoutingNumber	Corrected routing number; only returned if there is a NOC listing a new routing number.
*NewAccountNumber	Corrected account number; only returned if there is a NOC listing a new account number.
*NewAccountType	Corrected account type; only returned if there is a NOC listing a new account number.
ErrorMsg	Descriptive text message describing error
ErrorCode	See Appendix L: "Direct Debit Error Codes" on page 208 .

Refund order request

A **refund order request** gathers information to refund against a previous deposit.

Parameters marked with an asterisk (*) are optional.

Parameter	Value	Size	Type
SvcType	The valid value is: DD_US_REFUNDORDER . This parameter represents the transaction type. See Appendix E: "SVCTYPE" on page 190 .	32	A
StoreId	Merchant Store ID	32	N
MerchantId	WorldPay Merchant ID	16	N
TerminalId	WorldPay Terminal ID	8	AN
SellerId	Store seller ID associated with the store ID. (The user must be a store owner).	16	AN
Password	Password associated with the seller ID.	16	AN
*Amount	Amount of the check	8	N
OrderId	A Direct Debit API generated OrderID	32	N
TxSource	Transaction source. Valid values include: <ul style="list-style-type: none"> WE = WEB; transactions that originate from the internet. TE = TEL; transactions that are mail order or telephone orders (MOTO) CC = CCD; transactions that originate from cash concentration and disbursement, such as payroll. PP = PPD; transactions that are recurring billings. 	2	A

Refund order response

Parameter Name	Value
TransactionStatus	<ul style="list-style-type: none"> • 0 = Success • 1 = Failure • 2 = Exception
OrderId	Order ID returned by Direct Debit API
*NewRoutingNumber	Corrected routing number; only returned if there is a NOC listing a new routing number.
*NewAccountNumber	Corrected account number; only returned if there is a NOC listing a new account number.
*NewAccountType	Corrected account type; only returned if there is a NOC listing a new account number.
ErrorMsg	Descriptive text message describing error
ErrorCode	See Appendix L: "Direct Debit Error Codes" on page 208 .

Refund request

A Refund request gathers information to perform a “blind refund.” All validation routines are performed; if a positive response is received from all the checks, then the transaction is auto-deposited and settled.

Parameters marked with an asterisk (*) are optional.

Parameter	Value	Size	Type
SvcType	The valid value is: DD_US_REFUND . This parameter represents the transaction type. See Appendix E: "SVCTYPE" on page 190 .	32	A
StoreId	Merchant Store ID	32	N
MerchantId	WorldPay Merchant ID	16	N
TerminalId	WorldPay Terminal ID	8	AN
SellerId	Store seller ID associated with the store ID. The user must be a store owner).	16	AN
Password	Password associated with the seller ID.	16	AN

Parameter	Value	Size	Type
*DD_US_AuthId	Authentication identification number returned when the merchant authenticated the customer. This unique ID is generated when an Authenticate Request is processed. It is to be returned in subsequent monetary transactions like Deposit, Refund, and ForceDeposit to associate the monetary transaction with the Authentication. It is used to satisfy any Bank queries about proof of Authentication.	32	N
FirstName	Customer first name. If a corporate check is submitted, do not use the name of the person presenting the check. Instead, use Business for the first name.	15	A
LastName	Customer last name. If a corporate check is submitted, do not use the name of the person presenting the check. Instead, use Account for the last name.	64	A
AccountType	<ul style="list-style-type: none"> • 01 = Checking, Commercial • 02 = Savings 	2	AN
RoutingNumber	Bank routing number	9	N
AccountNumber	Checking account number	20	N
*CountryCode	Country code; defaults to US	3	A
*CurrencyCode	Currency code; defaults to USD	3	A
Amount	Amount of the check	8	N
*CustOrderId	Order Id supplied by the customer	20	AN
*OrderDesc	Order description	20	A
*BusinessName	Optional business name to be passed to NACHA	50	AN
*AddendaRecord	Value is passed to NACHA unmodified	80	AN
*RecurFlag	<ul style="list-style-type: none"> • Y = Recurring • N = Single payment; defaults to N. 	1	A
TxSource	Transaction source. Valid values include: <ul style="list-style-type: none"> • WE = WEB; transactions that originate from the internet. • TE = TEL; transactions that are mail order or telephone orders (MOTO) • CC = CCD; transactions that originate from cash concentration and disbursement, such as payroll. • PP = PPD; transactions that are recurring billings. 	2	A

Refund response

If a positive response is received, the transaction is auto-deposited and settled.

Parameter Name	Value
TransactionStatus	<ul style="list-style-type: none"> • 0 = Success • 1 = Failure • 2 = Exception
OrderId	Order ID returned by Direct Debit API.
*NewRoutingNumber	Corrected routing number; only returned if there is a NOC listing a new routing number.
*NewAccountNumber	Corrected account number; only returned if there is a NOC listing a new account number.
*NewAccountType	Corrected account type; only returned if there is a NOC listing a new account number.
ErrorMsg	Descriptive text message describing error
ErrorCode	See Appendix L: "Direct Debit Error Codes" on page 208 .

Validation only request

The **Validation only request** gathers information for a set of validation routines including: Internal Negative File check, routing number validation, account number repair algorithms (confirms they participate in ACH), Repair Database (WorldPay created file), and Bogus Name check. Verification is performed if **Verify** flag is **Y** (N is the default).

Parameters marked with an asterisk (*) are optional.

Parameter	Value	Size	Type
SvcType	The valid value is: DD_US_VALIDATE . This parameter represents the transaction type. See Appendix E: "SVCTYPE" on page 190 .	32	A
StoreId	Merchant Store ID	32	N
MerchantId	WorldPay Merchant ID	16	N
TerminalId	WorldPay Terminal ID	8	AN
*SellerId	Store seller ID associated with the store ID. Required if the store's security flag is on.	16	AN
*Password	Password associated with the seller ID. Required if the store's security flag is on.	16	AN

Parameter	Value	Size	Type
FirstName	Customer first name. If a corporate check is submitted, do not use the name of the person presenting the check. Instead, use Business for the first name.	15	A
LastName	Customer last name. If a corporate check is submitted, do not use the name of the person presenting the check. Instead, use Account for the last name.	64	A
AccountType	<ul style="list-style-type: none"> • 01 = Checking, Commercial • 02 = Savings 	2	AN
RoutingNumber	Bank routing number	9	N
AccountNumber	Checking account number	20	N
*VerifyFlag	Merchant request for verification <ul style="list-style-type: none"> • Y = Yes • N = No 	1	A

Validation only response

Parameter Name	Value
TransactionStatus	<ul style="list-style-type: none"> • 0 = Success • 1 = Failure • 2 = Exception
OrderId	Order ID returned by Direct Debit API
*NewRoutingNumber	Corrected routing number; only returned if there is a NOC listing a new routing number.
*NewAccountNumber	Corrected account number; only returned if there is a NOC listing a new account number.
*NewAccountType	Corrected account type; only returned if there is a NOC listing a new account number.
ErrorMsg	Descriptive text message describing error
ErrorCode	See Appendix L: "Direct Debit Error Codes" on page 208 .

Verification only request

The **Verification only** request gathers information to verify a transaction based on the Certegy file check.

Parameters marked with an asterisk (*) are optional.

Parameter	Value	Size	Type
SvcType	The valid value is: DD_US_VERIFY . This parameter represents the transaction type. See Appendix E: "SVCTYPE" on page 190 .	32	A
StoreId	Merchant Store ID	32	N
MerchantId	WorldPay Merchant ID	16	N
TerminalId	WorldPay Terminal ID	8	AN
*SellerId	Store seller ID associated with the store ID. Required if the store's security flag is on.	16	AN
*Password	Password associated with the seller ID. Required if the store's security flag is on.	16	AN
AccountType	<ul style="list-style-type: none"> 01 = Checking, Commercial 02 = Savings 	2	AN
RoutingNumber	Bank routing number	9	N
AccountNumber	Checking account number	20	N

Verification only response

Parameter Name	Value
TransactionStatus	<ul style="list-style-type: none"> 0 = Success 1 = Failure 2 = Exception
OrderId	Order ID returned by Direct Debit API
ErrorMsg	Descriptive text message describing error
ErrorCode	See Appendix L: "Direct Debit Error Codes" on page 208 .

Appendix A: AVS Response Codes

AVS Response	Meaning
A	Exact match for street address but not zip code
B	Street address match, Postal code in wrong format. (international issuer)
C	Street address and postal code in wrong formats
D	Street address and postal code match (international issuer)
E	AVS Error
G	AVS Unavailable (non-US card)
I	Address information not verified by international issuer.
M	Street Address and Postal code match (international issuer)
N	No match
O	No Response sent
P	Postal codes match, Street address not verified due to incompatible formats.
Q	Unknown response from bank
R	Retry - No response received, system is unavailable or timed out
S	AVS not supported
U	AVS Unavailable
W	Exact match for nine-digit zip but not street address
X	Exact match for nine-digit zip and street address
Y	Exact match for five-digit zip and street address
Z	Exact match for five-digit zip but not address
O (zero)	No Response sent

Appendix B: Error Codes

For the error messages, refer to [Appendix C: "Action Codes and Response Literals" on page 174](#).

Decline codes

Decline Codes	Notes
ERROR_DEBITSALE_DECLINED	Card Declined. ErrorMessage will contain the reason code.
ERROR_VOIDDEBITSALE_DECLINED	Card Declined. ErrorMessage will contain the reason code.
ERROR_DEBITRETURN_DECLINED	Card Declined. ErrorMessage will contain the reason code.
ERROR_DEBITBALANCE_DECLINED	Card Declined. ErrorMessage will contain the reason code.
ERROR_AUTH_DECLINED	Card Declined. ErrorMessage will contain the reason code.
ERROR_CARD_EXPIRED	

Missing data codes

Missing Data Codes	Notes
ERROR_DATA_TRACK2	Missing or Invalid TrackII data received
ERROR_DATA_EPB	Missing or Invalid EPB
ERROR_DATA_SELLERID	
ERROR_DATA_STOREID	
ERROR_DATA_MERCHANTID	
ERROR_DATA_TERMINALID	
ERROR_DATA_ORDERID	
ERROR_DATA_ORDERAMOUNT	
ERROR_DATA_TRANSACTIONID	
ERROR_DATA_FIRSTNAME	
ERROR_DATA_STREETADDRESS	
ERROR_DATA_CITY	
ERROR_DATA_STATE	
ERROR_DATA_ZIPCODE	
ERROR_DATA_COUNTRY	

Missing Data Codes	Notes
ERROR_DATA_CARDNUMBER	
ERROR_DATA_EXPDATE	
ERROR_DATA_EXPIRATIONDATE	

Invalid data codes

Invalid Data Codes	Notes
ERROR_INVALID_CASHBACK	Cash back amount cannot be more than the total amount
ERROR_INVALID_CUSTTXID	
ERROR_INVALID_AMOUNT	
ERROR_INVALID_ORDERTYPE	
ERROR_INVALID_TRACK	
ERROR_INVALID_EXPDATE	
ERROR_INVALID_STOREID	
ERROR_INVALID_MERCHANTID	
ERROR_INVALID_TERMINALID	
ERROR_INVALID_CARDNUMBER	
ERROR_INVALID_CREDITAMOUNT	
ERROR_INVALID_CARDTYPE	
ERROR_INVALID_ORDERID	

Invalid operation codes

Invalid Operation Codes	Notes
ERROR_ORDER_INVALIDSTATE	Void attempted on non-DebitSale transaction or Transaction has already been voided
ERROR_SETTLE_DECLINED	
ERROR_CREDIT_DECLINED	
ERROR_ORDER_CANCELLED	Order has already been cancelled
ERROR_ORDER_NOTSETTLED	Order has not been settled yet
ERROR_ORDER_NOTAUTHORIZED	Order has not been authorized
ERROR_ORDER_SETTLED	Order has already been settled
ERROR_ORDER_FAILED	
ERROR_ORDER_NOTCOMPLETED	

System error codes

System Error Codes	Notes
EXCEPTION_DB_MISC	Contact WorldPay
EXCEPTION_SERVER_FAILURE	Contact WorldPay
ERROR_PMTAGENT_FAILURE	Contact WorldPay
EXCEPTION_SOCKET_OPEN	Contact WorldPay
EXCEPTION_RECV_RESPONSE	Contact WorldPay
EXCEPTION_RECV_TIMEOUT	Contact WorldPay
EXCEPTION_SEND_REQUEST	Contact WorldPay
ERROR_SOCKET_FAILURE	Contact WorldPay
ERROR_BAD_PRIMARYKEY	Contact WorldPay
EXCEPTION_INIT_CONFIG	Contact WorldPay
EXCEPTION_DB_FATAL	Contact WorldPay
EXCEPTION_LYNK_DB	Contact WorldPay
EXCEPTION_LYNK_UNKNOWN	Contact WorldPay

Appendix C: Action Codes and Response Literals

This appendix contains the following topics:

- [Credit action codes and response literals](#)
- [ATM/Debit action codes and response literals](#)
- [EBT action codes and response literals](#)
- [Gift/Loyalty card action codes and response literals](#)
- [Certegy-all services action codes and response literals](#)
- [Certegy—C&S proprietary action codes and response literals](#)

Note: Approved responses are highlighted.

Credit action codes and response literals

The Response Codes are present only when ErrorCode= ERROR_AUTH_DECLINED, ERROR_SETTLE_DECLINED, or ERROR_CREDIT_DECLINED and will be present in the ErrorMessage name-value pair. When a card is declined, the ErrorMessage value will look like:

Card declined, Response Code: XXXX, Reason returned: REASON_RETURN_TEXT

—where **XXXX** is the Response Code and **REASON_RETURN_TEXT** will be a text message indicating the reason for the code.



Caution: If the response code number is not listed, the system will return a basic denied error message of **DENIED**.

Code	Description	Response Literal Returned
0000	Approved	APPROVED
0001	Call Voice Operator	REFER TO ISSUER1
0002	Call Voice Operator	REFER TO ISSUER2
0004	Pick Up Card	PICK UP CARD
0007	Pick Up Card	PICK UP CARD
0010	Approved for Lesser Amount	APPROVED LESSER
0011	Approved	APPROVED
0041	Pick Up Card	LOST CARD 41
0043	Pick Up Card	STOLEN CARD 43

Code	Description	Response Literal Returned
0051	Call Voice Operator	NSF 51
0061	Call Voice Operator	EXCEEDS AMOUNT 61
0063	Call Voice Operator	INVALID CID 63
0065	Call Voice Operator	EXCEEDS FREQ 65
1010	Invalid Merchant Number or Check Digit	TERM ID ERROR
1011	Invalid Terminal Number	INV TERM NO
1012	Invalid Terminal Type	INV TERM TYPE
1013	Terminal Deactivated	CALL LYNK
1014	Invalid Tran Code	INV TRAN CODE
1015	Invalid or Unsupported Card Type	INV CARD TYPE
1016	Invalid Application Type	INV APPL TYPE
1017	Invalid Batch Number	INV BATCH NUM
1018	Invalid Sequence Number	INV SEQ NUM
1019	Invalid Magnetic Stripe or PAN format	INV ACCOUNT DATA
1020	Invalid Expiry Date	INV EXPIRY DATE
1021	Invalid Amount	INV TRAN AMOUNT
1022	Invalid Date or Time	INV DATE/TIME
1023	Invalid Auth Number	INV AUTH NUM
1024	Invalid Retrieval Data	INV RETR DATA
1025	Not Setup For Credit Processing	SERV NOT ALLOWED
1026	Invalid Program Type	INV PROG TYPE
1027	Invalid AMEX Setup	AMEX NOT ALLOWED
1028	Invalid Discover Setup	DISC NOT ALLOWED
1029	Invalid Diner/Carte Blanche Card Setup	DCCB NOT ALLOWED
1030	Invalid JCB Setup	JCB NOT ALLOWED
1040	Invalid ACH Setup	ACH SETUP ERROR
1099	Invalid Data Format In Request	DATA FORMAT ERR
All Others	Undefined	DENIED

ATM/Debit action codes and response literals

The Response Codes are present only when ErrorCode= ERROR_DEBITSALE_DECLINED, ERROR_VOIDDEBITSALE_DECLINED, ERROR_DEBITRETURN_DECLINED, or ERROR_DEBITBALANCE_DECLINED and will be present in the ErrorMessage name-value pair. When a card is declined, the ErrorMessage value will look like:

Card declined, Response Code: XXXX, Reason returned: REASON_RETURN_TEXT

—where **XXXX** is the Response Code and **REASON_RETURN_TEXT** will be a text message indicating the reason for the code.



Caution: If the response code number is not listed, the system will return a basic denied error message of **DENIED**.

Code	Description	Response Literal Returned
0000	Approved	APPROVED
0012	Expired Card	CARD EXPIRED
0013	Invalid Card	INVALID CARD
0014	Invalid PIN	INVALID PIN
0015	Bank Not Available	BANK NOT AVAIL
0021	Unauthorized Usage	UNAUTHORIZED
0024	Invalid PIN	INVALID PIN
0030	Ineligible Account	INELIGIBLE ACCT
0031	Ineligible Transaction	INELIGIBLE TRAN
0032	Network Unavailable	NETWORK UNAVAIL
0040	Whole Dollar Amount Only	RE-ENTER WHOLE \$
0041	Insufficient Funds	TRY LESSER AMT
0042	No Further Withdrawals	W/D FREQ LIMIT
0043	Try Lesser Amount	TRY LESSER AMT
0044	Try Lesser Amount/Whole Dollar Only	TRY LESSER AMT-W
0050	Invalid PIN	INVALID PIN
0070	Card Not Supported	UNSUPPORTED CARD
0071	Card Not Supported	UNSUPPORTED CARD

Code	Description	Response Literal Returned
0072	Closed Account	INACTIVE ACCOUNT
0090	Invalid Terminal Type - Call WorldPay	INV TERM TYPE
0091	Invalid Terminal ID - Call WorldPay	INV TERM ID
0092	ACH Information Not Setup - Call WorldPay	ACH SETUP ERROR
0093	Terminal Deactivated - Call WorldPay	CALL LYNK
0094	Format Error In Transaction Request - Call WorldPay	DATA FORMAT ERR
0095	Zero Amount Requested	ZERO AMOUNT ERR
0099	Invalid Terminal	INV TERMINAL
0100	Balance Inquiry Returned	BALANCE INQUIRY
All Others	Undefined	DENIED

EBT action codes and response literals

Code	Description	Response Literal Returned
0000	Approved	APPROVED
0012	Expired Card	EXPIRED CARD
0014	PIN Tries Exceeded	PIN TRIES EXCEED
0021	Cannot Process	CANNOT PROCESS
0022	Re-enter Transaction	RE-ENTER TRANS
0030	Ineligible Account	INVALID TRANS
0032	Network Unavailable	NO HOST RESPONSE
0041	Insufficient Funds	VERIFY BALANCES
0050	Invalid PIN	INVALID PIN
0090	Invalid Terminal Type	INV TERM TYPE
0091	Invalid Terminal ID	INV TERM ID
0092	ACH Information Not Setup	ACH SETUP ERROR
0093	Terminal Deactivated	CALL LYNK
0094	Format Error In Transaction Request	DATA FORMAT ERR
0095	Zero Amount Requested	ZERO AMOUNT ERR

Code	Description	Response Literal Returned
0099	Invalid Terminal	INV TERMINAL
0120	Transaction Reversed	TRANS REVERSED
0100	Balance Inquiry Returned	BALANCE INQUIRY
All Others	Undefined	DENIED

Gift/Loyalty card action codes and response literals

Code	Description	Response Literal Returned
0000	Approved	APPROVED
0001	Invalid Card	INVALID CARD
0002	Invalid Card	INVALID CARD
0003	Invalid Card	INVALID CARD
0004	Card Not Active	CARD NOT ACTIVE
0005	Insufficient Account Balance	TRY LESSER AMT
0006	Card Not Inactive	CARD NOT INACT
0007	Card Already Active	CARD PREV ACTIVE
0008	Over System Limit	OVER LIMIT
0009	Over Client Limit	OVER LIMIT
0010	Invalid Transaction	DENIED 10
0011	Deactivation Not Allowed	DENIED 11
0012	Processing Error	CANNOT PROCESS
0013	Invalid Transaction	DENIED 13
0014	Unknown Message	DATA FORMAT ERR
0015	Network Unavailable	NETWORK UNAVAIL
0017	Activation amount is less than set Minimum	ACT BELOW LIMIT
0018	Invalid Card Validation Code	CARDCODE INVALID
0019	Amount approved differs from amount requested	PARTIAL APPROVAL
0100	Balance Inquiry Returned	BALANCE INQUIRY
All Others	Undefined	DENIED

Certegy-all services action codes and response literals

Response codes and literals below are defined by WorldPay. Check processing services often have specific requirements for terminal responses. Please refer to each specific check service provider these detailed values.

Code	Description	Response Literal Returned
00	INVALID IDENTIFICATION. The identification presented does not conform to the known format(s).	RE-ENTER
01	ID/DOB MISMATCH. The identification does not match the Date of Birth on file.	CALL CENTER
02	ID VERIFIED. The ID has been verified.	APPROVE
04	INVALID TYPE OF SERVICE. The merchant is not authorized to receive the type of service requested.	RE-ENTER
06	ID RESTRICTIONS. The merchant is not authorized to accept the type of identification presented.	CALL CENTER
07	HARD NEGATIVE INFORMATION ON FILE. Current negative information is associated with the identification presented.	DECLINE
08	CHECK WARRANTED. Certegy warrants the item presented.	APPROVE
09	OVER DAILY LIMIT. The current transaction, if accepted, will exceed Certegy's established limit for the number of Check Warranty approvals to be granted in a limited period.	CALL CENTER
10	OVER PERIODIC LIMIT. The current transaction, if accepted, will exceed Certegy's established limit for the number of Check Warranty approvals to be granted in an extended period.	CALL CENTER
11	OVER MAXIMUM FACE VALUE. The face amount of the Check Warranty request exceeds the amount Certegy will approve without voice contact with the merchant.	CALL CENTER
12	OVER MAXIMUM CUMULATIVE LIMIT. The current transaction, if accepted, will exceed Certegy's established limit for the cumulative dollar amount in a given period. Certegy may grant an approval for a portion of the amount of the check.	CALL CENTER
13	EDIT ERRORS IN MESSAGE. Certain required informational elements were missing from the input message or were inconsistent for the type of request.	RE-ENTER

Code	Description	Response Literal Returned
14	INVALID STATION NUMBER. The merchant number presented does not exist in Certegy's master file or it represents a merchant who has been suspended or cancelled.	VERIFY CHECK ID
15	I/O ERROR, RE-SUBMIT. An internal system failure has made the transaction unable to be processed.	RE-ENTER
16	EXCESSIVE ACTIVITY. An excessive amount of activity in a pre-defined time span was on file for the identification presented.	CALL CENTER
19	ENTER DL/DATE OF BIRTH. <i>Note: This applies to ID FREEsm only.</i> The current transaction has not been matched in the Cross-Reference Database. Enter the DL\DOB if the check is personal.	ENTER DL/DOB
20	CALL CERTEGY. The current transaction cannot be concluded without voice contact with the merchant.	CALL CENTER
21	CHECK VERIFIED - CONVERSION/WARRANTY - SUBMITTED FOR ACH. Certegy warrants the item presented or the ID has been verified. The check will be processed as an electronic transaction. The check should be stamped VOID and returned to the consumer. A copy of the conversion authorization receipt should be printed.	APPROVED ACH
22	CHECK VERIFIED - CONVERSION/WARRANTY - NOT ACH-able - AUTH ONLY. Certegy warrants the item presented or the ID has been verified. Due to the initial transaction being tagged as AUTH only or if an initial conversion request, the check has been determined to be ineligible for ACH: The check will NOT be processed as an electronic transaction. The check should NOT be stamped VOID. The check must be deposited in the bank for clearing/settlement. No conversion authorization receipt is required to print.	APPROVED NON-ACH
24	CHECK NOT VERIFIED- CONVERSION / WARRANTY - NOT ACH-able. Certegy could not validate the FM of item presented due to the initial transaction being tagged as a conversion request; the check has been determined to be ineligible for ACH and Site Draft: The check will be declined and another method of payment must be requested from the consumer. The check should be returned to the consumer.	DECLINED

Code	Description	Response Literal Returned
29	ACH VOID/ REVERSAL. Certegy has recalled the previously authorized conversion transaction from the ACH settlement batch.	VOID SUCCESSFUL
30	ACH VOID/ REVERSAL. Certegy was not able to recall the previously authorized conversion transaction from the ACH settlement batch. Store return/refund policy should be followed. Original Transaction will be settled through the ACH network.	CAN NOT VOID
31	CHECK HAS ALREADY BEEN VOIDED. A void transaction has been attempted; however, this particular transaction has been previously voided.	CAN NOT VOID
32	DUPLICATE EFT. This particular check has been previously converted and cannot be converted again.	CAN NOT CONVERT
33	REFERENCE NUMBER/AMOUNT MISMATCH. A transaction was attempted; however, the reference number and dollar amount entered does not match the reference number and dollar amount of the original transaction.	CAN NOT VOID
34	TOO LATE TO VOID CHECK. The check has already been converted and, therefore, can not be voided.	CAN NOT VOID
35	BANK BALANCE REQUEST. Certegy was able to obtain all ACH transactional data associated with the date specified in the Bank Balance Transaction request. This data should be printed.	COMPLETED
36	BANK BALANCE REQUEST. Certegy was not able to obtain ACH transactional data for the date specified in the Bank Balance Transaction Request.	NO DATA AVAIL

Certegy – C&S proprietary action codes and response literals

Response codes and literals below are defined by WorldPay. Check processing services often have specific requirements for terminal responses. Please refer to each specific check service provider these detailed values.

With most check processing services, a value of 0000 denotes a denial rather than approval.

Code	Description	Response Literal Returned
0000	Invalid MICR Identification	INVALID MICR
0001	Invalid Driver's License Identification	INVALID DL
0003	Cash Back Over Limit	OVER CASH LIMIT
0004	Cash Back VIP Decline (Limit exceeded but VIP override.)	APPROVED
0006	ID Restrictions	ID RESTRICTIONS
0007	Hard Negative Information on File	NEGATIVE INFO
0008	Check Warranted	APPROVED
0010	Over Periodic Limit	OVER PERIOD LMT
0011	Over Maximum Face Value	OVER MAX FACE
0012	Over Maximum Cumulative Value	OVER CUMULATIVE
0013	Edit Errors in Message	EDIT ERRORS
0014	Invalid Station Number	INVALID STATION
0015	I/O Error, Re-submit	ERROR - RESUBMIT
0016	Excessive Activity	EXCESS ACTIVITY
0019	Enter DL/Date of Birth	ENTER DL / DOB
All Others	Undefined	TRAN FAILED

Appendix D: State, Province, Prefecture, and Country Codes

The WorldPay Internet system requires specific codes for countries, US states, Canadian and Australian provinces, and Japanese prefectures.

Country codes

Country	Code
Afghanistan	AF
Albania	AL
Algeria	DZ
American Samoa	AS
Andorra	AD
Angola	AO
Anguilla	AI
Antarctica	AQ
Antigua and Barbuda	AG
Argentina	AR
Armenia	AM
Aruba	AW
Australia	AU
Austria	AT
Azerbaijan	AZ
Bahamas	BS
Bahrain	BH
Bangladesh	BD
Barbados	BB
Belarus	BY
Belgium	BE
Belize	BZ
Benin	BJ

Country	Code
Bermuda	BM
Bhutan	BT
Bolivia	BO
Bosnia and Herzegovina	BA
Botswana	BW
Bouvet Island	BV
Brazil	BR
British Indian Ocean Territory	IO
Brunei	BN
Bulgaria	BG
Burkina Faso	BF
Burundi	BI
Cambodia	KH
Cameroon	CM
Canada	CA
Cape Verde	CV
Cayman Islands	KY
Central African Republic	CF
Chad	TD
Chile	CL
China	CN
Christmas Island	CX
Cocos Islands	CC

Country	Code
Colombia	CO
Comoros	KM
Congo	CG
Cook Islands	CK
Costa Rica	CR
Cote d'Ivoire	CI
Croatia (local name: Hrvatska)	HR
Cuba	CU
Cyprus	CY
Czech Republic	CZ
Denmark	DK
Djibouti	DJ
Dominica	DM
Dominican Republic	DO
East Timor	TP
Ecuador	EC
Egypt	EG
El Salvador	SV
Equatorial Guinea	GQ
Eritrea	ER
Estonia	EE
Ethiopia	ET

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Country	Code
Falkland Islands (Malvinas)	FK
Faroe Islands	FO
Fiji	FJ
Finland	FI
France	FR
Metropolitan France	FX
French Guiana	GF
French Polynesia	PF
French Southern Territories	TF
Gabon	GA
Gambia	GM
Georgia	GE
Germany	DE
Ghana	GH
Gibraltar	GI
Greece	GR
Greenland	GL
Grenada	GD
Guadeloupe	GP
Guam	GU
Guatemala	GT
Guinea	GN
Guinea-Bissau	GW
Guyana	GY
Haiti	HT
Heard and McDonald Islands	HM
Honduras	HN
Hong Kong	HK
Hungary	HU

Country	Code
Iceland	IS
India	IN
Indonesia	ID
Iran (Islamic Republic of)	IR
Iraq	IQ
Ireland	IE
Israel	IL
Italy	IT
Jamaica	JM
Japan	JP
Jordan	JO
Kazakhstan	KZ
Kenya	KE
Kiribati	KI
Korea, Democratic People's Republic of	KP
Korea, Republic of	KR
Kuwait	KW
Kyrgyzstan	KG
Lao People's Democratic Republic	LA
Latvia	LV
Lebanon	LB
Lesotho	LS
Liberia	LR
Libyan Arab Jamahiriya	LY
Liechtenstein	LI
Lithuania	LT
Luxembourg	LU
Macau	MO
Macedonia, the former Yugoslav Republic of	MK

Country	Code
Madagascar	MG
Malawi	MW
Malaysia	MY
Maldives	MV
Mali	ML
Malta	MT
Marshall Islands	MH
Martinique	MQ
Mauritania	MR
Mauritius	MU
Mayotte	YT
Mexico	MX
Micronesia, Federated States of	FM
Moldova, Republic of	MD
Monaco	MC
Mongolia	MN
Montserrat	MS
Morocco	MA
Mozambique	MZ
Myanmar	MM
Namibia	NA
Nauru	NR
Nepal	NP
The Netherlands	NL
Netherlands Antilles	AN
New Caledonia	NC
New Zealand	NZ
Nicaragua	NI
Niger	NE
Nigeria	NG

Internet Processing Message Format, 8.3.0

Country	Code	Country	Code	Country	Code
Niue	NU	Sierra Leone	SL	Turks and Caicos Islands	TC
Norfolk Island	NF	Singapore	SG	Tuvalu	TV
Northern Mariana Islands	MP	Slovakia (Slovak Republic)	SK	Uganda	UG
Norway	NO	Slovenia	SI	Ukraine	UA
Oman	OM	Solomon Islands	SB	United Arab Emirates	AE
Pakistan	PK	Somalia	SO	United Kingdom	GB
Palau	PW	South Africa	ZA	United States	US
Panama	PA	Spain	ES	United States Minor Outlying Islands	UM
Papua New Guinea	PG	Sri Lanka	LK	Uruguay	UY
Paraguay	PY	St. Helena	SH	Uzbekistan	UZ
Peru	PE	St. Pierre and Miquelon	PM	Vanuatu	VU
Philippines	PH	Sudan	SD	Vatican City State (Holy See)	VA
Pitcairn	PN	Suriname	SR	Venezuela	VE
Poland	PL	Svalbard and Jan Mayen Islands	SJ	Vietnam	VN
Portugal	PT	Swaziland	SZ	Virgin Islands (British)	VG
Puerto Rico	PR	Sweden	SE	Virgin Islands (U.S.)	VI
Qatar	QA	Switzerland	CH	Wallis And Futuna Islands	WF
Reunion	RE	Syrian Arab Republic	SY	Western Sahara	EH
Romania	RO	Taiwan	TW	Yemen	YE
Russian Federation	RU	Tajikistan	TJ	Yugoslavia	YU
Rwanda	RW	Tanzania, United Republic of	TZ	Zaire	ZR
Saint Kitts and Nevis	KN	Thailand	TH	Zambia	ZM
Saint Lucia	LC	Togo	TG	Zimbabwe	ZW
Saint Vincent and the Grenadines	VC	Tokelau	TK		
Samoa	WS	Tonga	TO		
San Marino	SM	Trinidad and Tobago	TT		
Sao Tome and Principe	ST	Tunisia	TN		
Saudi Arabia	SA	Turkey	TR		
Senegal	SN	Turkmenistan	TM		
Seychelles	SC				

US states

State	Code
Alabama	AL
Alaska	AK
American Samoa	AS
Arizona	AZ
Arkansas	AR
Armed Forces the Americas	AA
Armed Forces Europe	AE
Armed Forces Pacific	AP
California	CA
Colorado	CO
Connecticut	CT
Delaware	DE
District of Columbia	DC
Federated States of Micronesia	FM
Florida	FL
Georgia	GA
Guam	GU
Hawaii	HI
Idaho	ID
Illinois	IL

State	Code
Indiana	IN
Iowa	IA
Kansas	KS
Kentucky	KY
Louisiana	LA
Maine	ME
Marshall Islands	MH
Maryland	MD
Massachusetts	MA
Michigan	MI
Minnesota	MN
Mississippi	MS
Missouri	MO
Montana	MT
Nebraska	NE
Nevada	NV
New Hampshire	NH
New Jersey	NJ
New Mexico	NM
New York	NY
North Carolina	NC

State	Code
North Dakota	ND
Northern Mariana Islands	MP
Ohio	OH
Oklahoma	OK
Oregon	OR
Palau	PW
Pennsylvania	PA
Puerto Rico	PR
Rhode Island	RI
South Carolina	SC
South Dakota	SD
Tennessee	TN
Texas	TX
Utah	UT
Vermont	VT
Virgin Islands, U.S.	VI
Virginia	VA
Washington	WA
West Virginia	WV
Wisconsin	WI
Wyoming	WY

Certegy state and province codes

State	Code
Alabama	41
Alaska	42
Alberta	28
American Samoa	92
Arizona	43
Arkansas	45
British Columbia	29
California	46
Colorado	47
Connecticut	48
Delaware	77
District of Columbia	91
Florida	49
Georgia	50
Guam	94
Hawaii	51
Idaho	52
Illinois	53
Indiana	54
Iowa	56
Kansas	57
Kentucky	58
Louisiana	59
Maine	60

State	Code
Manitoba	30
Maryland	61
Massachusetts	62
Michigan	63
Military ID	93
Minnesota	64
Mississippi	65
Missouri	67
Montana	68
Nebraska	69
Nevada	70
Newfoundland	32
New Brunswick	31
New Hampshire	71
New Jersey	66
New Mexico	72
New York	55
North Carolina	73
North Dakota	74
Northern Mariana Islands	18
Northwest Territories	33
Nova Scotia	34
Nunavut	19

State	Code
Ohio	75
Oklahoma	76
Ontario	35
Oregon	78
Pennsylvania	44
Prince Edward Island	36
Puerto Rico	95
Quebec	37
Rhode Island	79
Saskatchewan	38
South Carolina	80
South Dakota	81
Tennessee	82
Texas	83
Utah	84
Vermont	85
Virgin Islands	96
Virginia	86
Washington	87
West Virginia	88
Wisconsin	89
Wyoming	90
Yukon Territory	39

Canadian provinces

Province	Code
Alberta	AB
British Columbia	BC
Manitoba	MB
New Brunswick	NB
Newfoundland	NF
Nova Scotia	NS
Nunavut	NU
Ontario	ON
Prince Edward Island	PE
Quebec	QC
Saskatchewan	SK
Yukon	YT

Australian provinces

Province	Code
Australian Capital Territory	ACT
New South Wales	NSW
Northern Territory	NT
Queensland	QLD
South Australia	SA
Tasmania	TAS
Victoria	VIC
Western Australia	WA

Japanese prefectures

Prefecture	Code
Hokkaido	HK
Aomori	AO
Iwate	IW
Miyagi	MY
Akita	AK
Yamagata	YM
Fukushima	FK
Ibaragi	IB
Tochigi	TC
Gunma	GN
Saitama	SI
Chiba	CB
Tokyo	TK
Kanagawa	KN
Niigata	NI
Toyama	TY

Prefecture	Code
Ishikawa	IS
Fukui	FI
Yamanashi	YN
Nagano	NG
Gifu	GF
Shizuoka	SZ
Aichi	AI
Mie	ME
Shiga	SG
Kyoto	KT
Osaka	OS
Hyogo	HG
Nara	NR
Wakayama	WK
Tottori	TT
Shimane	SM

Prefecture	Code
Okayama	OK
Hiroshima	HR
Yamaguchi	YG
Tokushima	TS
Kagawa	KG
Ehime	EH
Kouchi	KC
Fukuoka	FO
Saga	SA
Nagasaki	NS
Kumamoto	KM
Ooita	OI
Miyazaki	MZ
Kagoshima	KS
Okinawa	ON

Appendix E: SVCTYPE

Name-values are case insensitive.

Name	Value	Description
SVCTYPE	Value=Authorize	Authorize a credit card transaction
	Value=Settle	Settle/Partial Settle an authorized transaction
	Value=Sale	Authorize & Settle.
	Value = ForceSettle	Settle a voice auth (Approval Code required)
	Value=CreditOrder	Credit/Return an authorized and settled transaction.
	Value=Credit	Blind credit.
	Value=Cancel.	Cancel/Reverse an authorized transaction, not yet settled.
	Value=ReAuthorize	Reauthorize an expired authorized order.
	Value=CreditBalance	
	Value=DebitSale	
	Value=DebitVoidSale	
	Value=DebitReturn	
	Value=DebitBalance	
	Value=EBTSale	
	Value=EBTVoidSale	
	Value=EBTReturn	
	Value=EBTVoidReturn	
	Value=EBTBalance	
	Value=GiftRedeem	
	Value = GiftVoidSale	
	Value=GiftActivation	Gift BIN: 1190 - 1194
	Value=GiftAddValue	Gift BIN: 1190 - 1194
	Value=GiftVoid	Gift BIN: 1190 - 1194
	Value=GiftBalance	Gift BIN: 1190 - 1194

Name	Value	Description
	Value=ACHPayment	Gift BIN: 1190 - 1194
	Value=Ack	
	Value=CheckGuarantee	
	Value=CheckAuth	
	Value=CheckCompletion	
	Value=CheckInquiry	
	Value=CheckVoidSale	
	Value=AVSCheck	

Appendix F: OpType

Name-values are case insensitive.

Name	Value
OpType	Value=SetupRecurPmt Value=OpenBatch Value=CloseBatch

Appendix G: PAYMENTBRAND

Name-values are case insensitive.

Name	Value
PAYMENTBRAND	Visa MC Discover AmEx Diners JCB GiftLynk Rewards EBTCash EBTFood

Appendix H: Transaction Status

The Transaction Status parameter contains the following values:.

Name	Value
TransactionStatus	0-Transaction completed successfully. 1-Transaction failed 2-Exception 3-Referral

Appendix I: AppType

Name	Value	Description
AppType	LE (default)	e-commerce
	LB	Banking Cash Advance
	LF	Food Service/Restaurant
	LG	General Retail
	LL	Lodging/Hospitality
	LQ	Quasi-Cash
	LT	Rental
	IVR	Interactive Voice Response
	ARU	Automated Response Unit

Appendix J: Experian Error Codes

Error Code	Description
720	Experian web service system failure. Note: A description of “Unable to Authenticate” is sent to the merchant.
1000	Invalid request format
1001	Invalid length
1002	Invalid length
1003	No XML request
1004	Invalid request parameter
2000	Authorization failure
4000	System error. Call Experian Technical Support at 1-800-854-7201. Note: A description of “Unable to Authenticate” is sent to the merchant.
8000	Connection error. Note: A description of “Unable to Authenticate” is sent to the merchant.
8001	The URL returned from ECALS does not end with experian.com Note: A description of “Unable to Authenticate” is sent to the merchant.
8002	The SSL Certificate returned from the Net Connect URL is invalid. Note: A description of “Unable to Authenticate” is sent to the merchant.
8003	The SSL Certificate could not be parsed. Note: A description of “Unable to Authenticate” is sent to the merchant.
8004	An SSL handshake error occurred. Note: A description of “Unable to Authenticate” is sent to the merchant.
8005	Unable to authenticate. Note: A description of “Unable to Authenticate” is sent to the merchant.
8010	Unable to authenticate. Note: A description of “Unable to Authenticate” is sent to the merchant.

Appendix K: Check Point Summary Codes

The following error codes can be returned for the **Direct Debit Authenticate** response message:

- [“Primary result code” on page 197](#)
- [“Address code” on page 199](#)
- [“Phone code” on page 200](#)
- [“Address type code” on page 201](#)
- [“Change of address code” on page 202](#)
- [“Social Security Number code” on page 202](#)
- [“Address unit mismatch code” on page 203](#)
- [“Phone unit mismatch code” on page 204](#)
- [“Driver’s license result code” on page 204](#)
- [“Date of birth match” on page 205](#)
- [“High risk address code” on page 205](#)
- [“High risk phone code” on page 205](#)
- [“OFAC validation results code” on page 206](#)
- [“Address residential match code” on page 206](#)
- [“Address business match code” on page 206](#)
- [“Phone Number Residential Match code” on page 207](#)
- [“Phone Number Business Match code” on page 207](#)

Primary result code

The **Primary Result Code** (PrimaryResultCode) identifies the results of the search and any errors associated with the search.

Code	Description
00	Data found for search request
02	Receive error
03	Link to load balancing failed
04	Converse allocation error
05	System busy
06	SYSID error
08	Term error
12	No search criteria specified, request ignored
13	Response level must be “F”, “B,” or blank

Code	Description
15	Match to full name only—PLC NS List
16	Match to surname and first initial—PLC NS List
17	Internal error—contact Help Desk
18	Internal error—contact Help Desk
25	System busy—try again later
50	Transaction timed out—contact Help Desk if problem persists
51	Poll error—contact Help Desk
52	Receive error—contact Help Desk
53	Create error—contact Help Desk
54	Connect error—contact Help Desk
55	Send error—contact Help Desk
56	Link error—contact Help Desk
57	EBCDIC to ASCII convert failed—contact Help Desk
58	ASCII to EBCDIC convert failed—contact Help Desk
59	Response exceeds storage—contact Help Desk
63	Storage error during data parsing—contact Help Desk
64	Response data format invalid—contact Help Desk
65	Unable to allocate connection
66	System ID error
67	Connect/converse error
68	Checkpoint server dropped socket
69	Profile not on database
70	System change transaction fail (internal)
71	Name required but missing
72	Address required but missing
75	Audit number required but missing
77	Invalid audit number
78	Audit entry not a Checkpoint 2.0 request
79	Audit file not loaded

Code	Description
80	Server not available to process request
81	Error connecting to database

Address code

The **Address Code** (AddrCode) identifies the results found based on the address submitted.

Code	Description
A	Address ambiguous
B	Match to business name—residential address
BB	Match to business name—business address
BM	Match to business name—mixed use address
E	Matching records exceed maximum defined on profile
H	House number not found on street
I	Incomplete or blank address
IV	Invalid address
N	No match to name—residential address
NA	Data not available
NB	No match to name—business address
NM	No match to name—mixed use address
NP	Test not in profile
NS	Standardization database has expired—contact Help
R	Road name—City/Zip mismatch
S	Match to surname—residential address
SB	Match to surname—business address
SM	Match to surname—mixed use address
SX	Standardization database has expired—contact Help
T	City—State mismatch
U	Address unverifiable—not in database
UR	Address residential—name match unavailable

Code	Description
Y	Match to full name—residential address
YB	Match to full name—business address
YM	Match to full name—mixed use address
Z	City/State—Zip mismatch
00	Unknown message code—contact help desk

Phone code

The **Phone Code** (PhnCode) identifies the results found based on the phone number submitted in the authenticate message.

Code	Description
A	Match to address only—residential phone
AB	Match to address only—business phone
AM	Match to address only—mixed use phone
B	Match to business name and address—residential phone
BB	Match to business name and address—business phone
BM	Match to business name and address—mixed use phone
C	Probable cellular phone
D	Match to business name—residential address
DB	Match to business name—business address
DM	Match to business name—mixed use phone
E	Matching records exceed maximum defined on profile
F	Match to full name only—residential phone
FB	Match to full name only—business phone
FM	Match to full name only—mixed use phone
H	Match to surname and address—residential phone
HB	Match to surname and address—business phone
HM	Match to surname and address—mixed use phone
I	Phone is incorrect length
IA	Invalid area code

Code	Description
M	Phone missing (search information not received)
MA	Match to header data
N	o match to name or address—residential phone
NA	Data not available
NB	No match to name or address—business phone
NM	No match to name or address—mixed use phone
NP	Test not in profile
P	Probable pager
S	Match to surname only—residential phone
SB	Match to surname only—business phone
SM	Match to surname only—mixed use phone
U	Phone unverifiable—not in database
X	Prefix—Zip mismatch
Y	Match to full name and address—residential phone
YB	Match to full name and address—business phone
YM	Match to full name and address—mixed use phone
00	Unknown message code—contact help desk

Address type code

The **Address Type Code** (AddrTypeCode) identifies the results found based on the address submitted.

Code	Description
C	Single company
E	Test error
EB	Seasonal—business
EM	Seasonal—multi-family dwelling
EX	Seasonal—mixed use
M	Multi-family dwelling
N	No information available

Code	Description
NA	Data not available
NP	Test not in profile
O	Office building
P	Post office box
S	Single family dwelling

Change of address code

The **Change of Address Code** (COACode) identifies the results found for a change of address check.

Code	Description
C	Change of address information found
N	No change of address information found
NA	Data not available
NP	Test not in profile
U	Test not available
YA	A high risk business was identified at this address
00	Unknown message code—contact help desk

Social Security Number code

The **Social Security Number Code** (SSNCode) identifies the results found to verify the Social Security Number submitted.

Code	Description
A	Match to address only
D	Deceased—unable to verify name
DN	Deceased—no match to name
DS	Deceased—match to surname
DY	Deceased—match to full name
E	Matching records exceed maximum defined on profile
F	SSN format is invalid
FF	Match to first name and address—match performed using SSN finder

Code	Description
FY	Match to full name and address—match performed using SSN finder
I	SSN is incorrect length
M	SSN is missing
N	No match to name or address
NA	Data not available
NI	SSN not issued
NP	Test not in profile
NV	Header search not available in NV due to state law
P	Match to previous address only
S	Match to surname only
SA	Match to surname and address
V	Valid SSN—SSN not found
Y	Match to full name only
YA	Match to full name and address—match performed using SSN
YB	Match to full name and address—match performed using name and address
Z	SSN found—no surname entered
00	Unknown message code—contact help desk

Address unit mismatch code

The **Address Unit Mismatch Code** (AddrUnitMismatchCode) identifies the expected unit for the address.

Code	Description
EU	Unit number is extra—not expected at this address
MU	Unit number is missing—expected at this address
WU	Unit number wrong—unit number does not match unit number at this address

Phone unit mismatch code

The **Phone Unit Mismatch Code** (PhnUnitMismatchCode) identifies the expected unit for the address associated with the phone number.

Code	Description
EU	Unit number is extra—not expected at this address for this phone
MU	Unit number is missing—expected at this address for this phone
WU	Unit number wrong—unit number does not match unit number at this address for this phone

Driver's license result code

The **Driver's License Result Code** (DLResultCode) identifies the results found based on the driver's license information submitted.

Code	Description
A	Match to address only
I	DL state and number format invalid
M	Driver License number not submitted on inquiry
N	No match to name or address
NA	Data not available for this state
NI	Input DL state and number not on file
NP	Test not in profile
S	Match to surname only
SA	Match to surname and address
V	Valid DL state and number—Name match not available
Y	Match to full name only

Date of birth match

The **Date of Birth Match Code** (DateOfBirthMatch) identifies the results found based on the date of birth information submitted.

Code	Description
1	Match
2	Partial match
3	No match
4	No on file
5	SSN not on file; search cannot be done
6	DOB not provided on search request
7	Invalid DOB format

High risk address code

The **High Risk Address Code** (HighRiskAddrCode) identifies any high risk address information associated with the address information submitted.

Code	Description
N	No address high risk information found
NP	Test not in profile
YA	A high risk business was identified at this address

High risk phone code

The **High Risk Phone Code** (HighRiskPhnCode) identifies any high risk phone number information that is associated with the phone number information submitted

Code	Description
N	No phone high risk information found
NP	Test not in profile
YA	A high risk business was identified at this address for this phone

OFAC validation results code

The **OFAC Validation Results Code** (OFACValidationResult) identifies if the information submitted in the request is on the OFAC list and specifies what pieces of information are present on the OFAC list if there is a match.

Code	Description
1	No match
2	Match to full name only
3	Match to SSN only
4	Match to name and SSN
5	Match to name and DOB
6	Match to name and YOB
7	Match to SSN and DOB
8	Match to SSN and YOB
9	Match to name, SSN, and DOB
10	Match to name, SSN, and YOB
11	Match to company name only
12	Match to company address only
13	Match to company name and address
14	Match to surname and first name
15	Match to full name only—PLC NS list
16	Match to surname and first initial—PLC NS list

Address residential match code

The **Address Residential Match Code** (0000 through 9999) identifies the number of residential records that matched the address given during address verification.

Address business match code

The **Address Business Match Code** (0000 through 9999) identifies the number of business records that matched the address given during address verification.

Phone Number Residential Match code

The **Phone Number Residential Match Code** (0000 through 9999) identifies the number of residential records that matched the phone number given during address verification.

Phone Number Business Match code

The **Phone Number Business Match Code** (0000 through 9999) identifies the number of business records that matched the phone number given during address verification.

Appendix L: Direct Debit Error Codes

The following types of error codes can be returned for Direct Debit transactions:

- [Validation error codes](#)
- [Verification error codes](#)
- [System error codes from back-end](#)
- [Data validation error codes](#)

Validation error codes

The following error codes and error messages can be returned during Validation.

ErrorCode	Description	ErrorMsg
ERROR_FAILED_INTERNALCHECK	There was negative information on the account in the internal database.	Has the Rejection Code, and the Description. Example: ErrorMessage=R02, Account Closed.
ERROR_FAILED_NAMECHECK	Service Objects has returned a response which indicates a possible bogus name.	Has one of the following 4 values: <ul style="list-style-type: none">• PossibleGarbage• PossibleCelebrity• PossibleBogus• PossibleVulgarity
ERROR_FAILED_ROUTINGCHECK	Failed to validate with EPF Routing Number file.	Has a precise error description. The number may not be active, not ACH enabled, or does not belong to an FI (Financial Institution).
ERROR_ACCOUNT_NOTWARRANTED	Certegy has returned anActionCode (not 0008) which indicated a rejection.	The ActionCode and response literal are passed back in the ErrorMessage.

Verification error codes

For Verification, a Type 30 transaction is sent to Certegy. If the action code 0008 is returned, the transaction is considered to be verified. If the action code ends with 99, the transaction is considered a communication error and a WorldPay error code is returned. For all other error codes, the Certegy action code and response literal are returned to the merchant in the ErrorMessage.

ErrorCode	Description	ErrorMessage
EXCEPTION_SYSTEM_VERIFICATION	Failed to reach Certegy.	Unable to reach Certegy to verify account.
ERROR_ACCOUNT_NOTWARRANTED	Certegy has returned an ActionCode (not 0008) which indicated a rejection.	The ActionCode and response literal will be passed back in the ErrorMessage.

System error codes from back-end

The following error codes and error messages are returned if there is an internal system error while submitting the transaction for deposit. These error codes rarely occur.

ErrorCode	Description	ErrorMessage
EXCEPTION_SEND_REQUEST	There was an error while submitting the request.	Description of the error.
EXCEPTION_RECV_RESPONSE	Error when receiving a response from the back end.	Description of communication error.
EXCEPTION_PMT_PROCESSING	Unspecified error while submitting the transaction.	Description of error.
EXCEPTION_LYNK_DB	Internal database error	Description of error.

Data validation error codes

The following error codes and error messages are returned if required data is not sent, is too long, or is not formatted properly.

ErrorCode	Description	ErrorMessage
ERROR_DATA_ORDERID	Missing OrderId	
ERROR_INVALID_ORDERTYPE	Operation (Redeposit, or RefundOrder) is being performed on the wrong Order.	Order needs to be a Deposit.

ErrorCode	Description	ErrorMsg
ERROR_INVALID_ORDERSTATE	Operation (Redeposit, or RefundOrder) is being performed on an Order in the wrong state.	Order failed Validation, Verification or was rejected.
ERROR_INVALID_ORDER	Order does not belong to this store.	
ERROR_DATA_AMOUNT	Missing amount	
ERROR_INVALID_AMOUNT	Negative or too large or has wrong chars.	Will describe the error more precisely.
ERROR_INVALID_REFUNDAMOUNT	Amount is not valid.	The refund exceeds the deposit or has already been fully refunded.
ERROR_INVALID_ROUTINGNUMBER	Routing Number is missing, is not 9 chars long or does not pass the ABA check	
ERROR_INVALID_ACCOUNTNUMBER	Missing or greater than 20 chars long or has wrong chars	
ERROR_DATA_ACCOUNTTYPE	Missing value	Accounttype is needed.
ERROR_INVALID_ACCOUNTTYPE	Invalid value	Has to be 01 or 02.
ERROR_DATA_FIRSTNAME	Missing value	
ERROR_INVALID_FIRSTNAME	Invalid value or longer than 64 chars	
ERROR_DATA_LASTNAME	Missing value	
ERROR_INVALID_LASTNAME	Invalid value or longer than 64 chars	
ERROR_DATA_PHONE	Missing value	
ERROR_DATA_EMAIL	Missing value	
ERROR_INVALID_EMAIL	Invalid format	
ERROR_DATA_PHONE	Missing value	
ERROR_DATA_CITY	Missing value	
ERROR_DATA_STATE	Missing value	
ERROR_DATA_ZIP	Missing value	
ERROR_INVALID_ZIP	Zip code must be 5 digits	
ERROR_DATA_STREETADDRESS	Missing value	

Appendix M: Card Verification Value (CVV) Result Code

Visa and Discover CVV2/CID result codes

Value	Description
M	CVV2/CID match
N	CVV2/CID no match
P	Not processed
S	CVV2/CID is on the card, but the merchant has indicated that CVV2/CID is not present
U	Issuer is not certified for CVV2/CID

MasterCard CVC 2 result codes

Value	Description
M	Valid CVC 2 (match)
N	Invalid CVC 2 (non-match)
P	Unable to be processed
U	Issuer unregistered to process CVC 2

American Express CID result codes

Value	Description
Y	CID matched
N	CID did not match
U	CID was not checked

Appendix N: IDMethod

Name	Value	Description
IDMethod	Space	Not Specified
	1	Signature
	2	PIN
	3	Self-Service Terminal
	4	MOTO/e-commerce
	5	Self-Service Terminal - Limited Amount
	6	Customer Activated, Automated Fuel Dispenser