

Orbital Gateway JSON

Developer Payments Response Elements

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Feature Version 5.2

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Data elements

This section contains tables describing the updated or new elements of the possible request and response messages.

Object models are available in the Specification section under each endpoint.

Required column values

- M = Mandatory
- C = Conditional
- O = Optional

Field type column values

- A = Alpha
- AN = Alphanumeric
- N = Numeric

Payments response elements

Element	Parent object	Description	Required	Max Char	Field Type
paymentsResponse	N/A	Payments Response parent object	N/A	N/A	N/A
version	paymentsResponse	Feature Release version Echoes the feature release sent in the request.	C	5	AN
transType	paymentsResponse	Payments Transaction Type Echoes the Transaction type sent in request. For Refund transactions, FR is returned.	M	2	A
merchant	paymentsResponse	Merchant parent object	N/A	N/A	N/A
bin	merchant	Transaction Routing Definition Echoes the BIN sent in request.	M	6	N
merchantID	merchant	Gateway merchant account number assigned by Merchant Services Echoes the Merchant ID sent in request.	M	15	N
terminalID	merchant	Merchant Terminal ID assigned by Merchant Services	M	3	N

Element	Parent object	Description	Required	Max Char	Field Type
		Echoes the Terminal ID sent in request.			
paymentInstrument	paymentsResponse	Payment Instrument response object	N/A	N/A	N/A
card	paymentInstrument	Card response parent object	N/A	N/A	N/A
cardBrand	card	<p>Card Type/Brand for the Transaction</p> <p>Returns the Card Type/Brand as processed on the host platform</p> <p>Note: Merchants need to store the <code>cardBrand</code> value for future Safetech Token use. Without this value, the transaction will be declined.</p> <p>For Refunds and Force transactions:</p> <ul style="list-style-type: none"> If no <code>cardBrand</code>, such as Visa or Mastercard, was sent in the request (when optional), the specific Card Brand mnemonic is returned. <p>For PINless Debit transactions:</p> <ul style="list-style-type: none"> The Card Brand is <code>DP</code> (which is a generic PINless mnemonic). Returned if <code>tokenTxnType=UT</code> is in the request. <p>For Interac In-App transactions:</p>	C	2	A

Element	Parent object	Description	Required	Max Char	Field Type
		<ul style="list-style-type: none"> The Stratus host returns DP (PINless Debit). The Tandem host returns DB (Debit). 			
ccAccountNum	card	<p>Credit Card Account Number</p> <p>Other methods of payment never return the card number.</p>	M	19	AN
ccExp	card	<p>Customer Credit Card Expiration Date</p> <p>Format: YYYYMM</p> <p>Required for all card types, except ECP, European Direct Debit and PINless Debit.</p> <p>Stratus (BIN 000001) allows a blank to be submitted when no known expiration date exists. There are three valid mechanisms for submitting a Blank expiration date to the Stratus Host using Orbital:</p> <ul style="list-style-type: none"> null-fill Send four spaces Zero-fill the field <p>Note: Omitting the expiration date on a card-not-present transaction, may result in a decline code from the Issuer.</p> <p>Tandem (BIN 000002): Expiration date is required in the following scenario:</p>	C	6	N

Element	Parent object	Description	Required	Max Char	Field Type
		<ul style="list-style-type: none"> Required on Sale, Prior Sale, and Completion transactions, and must contain the expiration date of the card at the time of authorization. <p>Note: Discuss this feature with your Technical Implementation analyst before implementing.</p>			
dpanAccountStatus	card	<p>DPAN Account Status</p> <p>Indicates the status of the account as:</p> <ul style="list-style-type: none"> Regulated (card issuing bank's assets are 10 billion or greater) Non-regulated (card issuing bank's assets are less than 10 billion) <p>Applies to U.S. issued and U.S. territory-issued debit and prepaid cards.</p> <p>Valid values:</p> <ul style="list-style-type: none"> R = Regulated N = Non-Regulated Space = Not Applicable 	O	1	AN
safetechToken	card	<p>Safetech Token Transaction Type</p>	C	19	AN

Element	Parent object	Description	Required	Max Char	Field Type
		Returned if tokenTxnType=GT or pieMode=FPE or EFPE in the request and there is a token returned.			
eudd	ecp	EUDD parent object	N/A	N/A	N/A
euddBankSortCode	eudd	EUDD Bank Sort Code Echoes the value in the request.	C	10	AN
euddCountryCode	eudd	EUDD Country Code Echoes the value in the request.	O	2	A
euddRibCode	eudd	European Direct Debit RIB	C	2	AN
euddBankBranchCode	eudd	EUDD Bank Branch Code Echoes the value in the request.	O	10	AN
euddIBAN	eudd	EUDD International Bank Account Number (IBAN) If not present in the request, this may be returned by the issuer.	O	34	AN
euddBIC	eudd	EUDD Bank Identification Code If not present in the request, this may be returned by the issuer.	O	11	AN

Element	Parent object	Description	Required	Max Char	Field Type
euddMandateSignatureDate	eudd	EUDD Mandate Signature Date Echoes the value in the request.	O	8	N
euddMandateID	eudd	EUDD Mandate ID Echoes the value in the request.	O	35	AN
euddMandateType	eudd	EUDD Mandate Type Echoes the value in the request.	O	1	N
order	paymentResponse	Order parent object	N/A	N/A	N/A
orderId	order	Merchant-Defined Order Number Field defined and supplied by the authorization originator, and echoed back in response.	M	22	AN
industryType	order	Industry Type of the Transaction Echoes the Industry Type sent in request.	M	2	A
retryTrace	order	Defines the Trace Number used for Retry Logic Echo of request value, if sent.	C	16	N
txRefNum	order	Gateway Transaction Reference Number	M	40	A

Element	Parent object	Description	Required	Max Char	Field Type
		A unique value for each transaction, which is required to Void (Reverse) a transaction.			
retryAttempCount	order	<p>Number of Times a Transaction Result has been Returned</p> <ul style="list-style-type: none"> • 0 = First Response (unique retryTrace) • ≥1 = The Orbital Gateway has processed this request previously and is echoing back the response. The number represents the number of requests processed by the Gateway with the same <code>retryTrace</code> number. 	C	2	N
lastRetryDate	order	<p>Date of Last Retry Attempt</p> <p>The date/time at which the PREVIOUS transaction using the same <code>retryTrace</code> value was processed by Gateway, in the format <code>YYYYMMddhh24mmss</code>.</p>	C	14	N
txRefIdx	order	<p>Gateway Transaction Index</p> <p>Used to identify the unique components of transactions adjusted more than once.</p> <p>Required on Void transactions.</p>	M	4	A
respDateTime	order	<p>Date/Time the Transaction was Processed by Gateway</p> <p>Format: <code>YYYYMMDDhh24mmss</code></p>	M	14	N

Element	Parent object	Description	Required	Max Char	Field Type
		Time zone is based on Eastern Standard Time (EST).			
isoCountryCode	order	<p>ISO Country Code</p> <p>Corresponds with the <code>CountryFraudFilterStatus</code> element, indicating the country where the customer's card was issued.</p> <p>This will always be NULL for Tandem (BIN 000002) merchants.</p> <p>Contact your Account Executive for questions on fraud filtering.</p>	C	2	A
mitReceivedTransactionID	order	<p>Received Transaction ID</p> <p>The received Transaction ID returned to the merchant.</p> <p>Note: This field will always have a value for CIT/MIT transactions based on the card brand rules. Refer to the CIT/MIT Message Types table for card brand specific information.</p>	C	15	A
status	order	<p>Status parent object</p> <p>Profile Status Flag</p> <p>This field sets the status of a Customer Profile.</p>	C	2	A

Element	Parent object	Description	Required	Max Char	Field Type
		<ul style="list-style-type: none"> • A = Active • I = Inactive • MS = Manual Suspend 			
procStatus	status	<p>Process Status</p> <p>The first data set that should be checked to determine the result of a request.</p> <p>The only element that is returned in all response scenarios.</p> <p>Identifies whether transactions have successfully passed all of the Gateway edit checks:</p> <ul style="list-style-type: none"> • 0 = Success <p>Refer to <code>Process Status</code> and <code>Process Status Message Values</code> table in <code>Process Status</code>.</p>	M	6	A
procStatusMessage	status	<p>Text Message Associated with respCode Value</p> <p>Text message associated with <code>respCode</code> value and <code>procStatus</code> value.</p>	M	Var	A

Element	Parent object	Description	Required	Max Char	Field Type
hostRespCode	status	<p>Actual Host Response Code</p> <p>Exact response sent by host authorization system (non-normalized by the Gateway).</p> <p>For those systems that have already coded to the Stratus/Tandem authorization response values, they are available via this field.</p>	M	3	A
respCode	status	<p>Response Code</p> <p>Normalized authorization response code issued by the host system (Stratus/Tandem) that identifies approval (00) or the reason for decline or error.</p> <p>Refer to Response Codes Values.</p>	M	2	A
respCodeMessage	status	<p>Response Code Message</p> <p>Text Message Associated with <code>hostResponseCode</code> Value</p>	C	Var	A
approvalStatus	status	<p>Approval Status</p> <ul style="list-style-type: none"> • 0 = Declined • 1 = Approved • 2 = Message/System Error 	M	1	N

Element	Parent object	Description	Required	Max Char	Field Type
authorizationCode	status	<p>Issuer Approval Code</p> <p>Unique transactional-level code issued by the bank or service establishment for approvals. PINless Debit transactions could return blanks or N/A.</p>	C	6	A
partialAuthOccurred	status	<p>Partial Auth Occurred</p> <p>Indicates if a Partial Approval was returned</p> <p>This tag will be NULL if unless a Partial Authorization has been returned.</p>	C	1	A
visaVbVRespCode	status	<p>CAVV Response Code for Visa Secure Transactions</p> <p>Conditional on CAVV Value being sent.</p> <p>Refer to Account Status Codes.</p>	C	1	AN
mcRecurringAdvCode	status	<p>MC Recurring Advice Code (MAC)</p> <p>The MAC field is applicable to all eligible Mastercard transaction types, and not exclusively for use on Mastercard recurring transactions.</p> <p>Refer to Mastercard – Merchant Advice Codes (MAC).</p> <p>Valid values:</p>	C	2	N

Element	Parent object	Description	Required	Max Char	Field Type
		<ul style="list-style-type: none"> • 01 = New account information available. Obtain new account information. • 02 = Try again later. Recycle transaction in 72 hours. • 03 = Do not try again. Obtain another type of payment from customer. • 04 = Token requirements not fulfilled for this token type. Resubmit with proper cryptography. • 21 = Do not try again. Issuer has blocked recurring payment transaction. • 22 = Merchant does not qualify for product code. Obtain another type of payment from customer. • 40 = Consumer non-reloadable prepaid card. Obtain another type of payment from customer. • 41 = Consumer single-use virtual card number. Obtain another type of payment from customer. <p>The following values indicate a decline due to insufficient funds on Card Not Present transactions, except MOTO.</p> <ul style="list-style-type: none"> • 24 = Retry after 1 hour • 25 = Retry after 24 hours • 26 = Retry after 2 days • 27 = Retry after 4 days 			

Element	Parent object	Description	Required	Max Char	Field Type
		<ul style="list-style-type: none"> • 28 = Retry after 6 days • 29 = Retry after 8 days • 30 = Retry after 10 days <p>Notes:</p> <ul style="list-style-type: none"> • For BIN 000002 merchants: <code>mcRecurringAdvCode</code> is returned with version 4.0 or higher. • For BIN 000001 merchants: <code>mcRecurringAdvCode</code> is returned for any version. <p>Decline authorizations are not reattempted as a part of the authorization recycling process when an authorization is declined with values 03 or 21.</p>			
countryFraudFilterStatus	status	<p>Country Fraud Filter Status</p> <p>If the transaction is sent to the Stratus (BIN 000001) host for a merchant who has enrolled in Country based Fraud filtering, the Stratus host may send back a response message for this field.</p> <p>This will always be NULL for Tandem (BIN 000002) merchants</p> <p>Contact your Account Executive for questions on fraud filtering.</p>	C	1	A

Element	Parent object	Description	Required	Max Char	Field Type
pymtBrandAuthResponseCode	status	<p>Payment Brand Authorization Response Code</p> <p>Authorization response received from the payment brand authorization systems. Right justified, zero filled.</p>	C	3	AN
pymtBrandResponseCodeCategory	status	<p>Payment Brand Authorization Response Code Category</p> <p>Response code category derived from payment brand authorization systems.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • 1 = Issuer will never approve • 2 = Issuer cannot approve at this time • 3 = Issuer cannot approve with these details • 4 = Generic response codes • N = Not available • A = Approved • X = Not a supported MOP 	C	1	AN
pymtAcctRefNum	status	<p>Payment Account Reference Number</p> <p>Unique identifier that associates the accountholder's card with any affiliated payment tokens.</p>	C	29	AN

Element	Parent object	Description	Required	Max Char	Field Type
		<p>This element is returned when pymtAcctReqInd=Y in the request.</p> <p>Format:</p> <ul style="list-style-type: none"> • Positions 1–4 = BIN controller identifier, a four-character registered value assigned by EMVCo • Positions 5–29 = alphanumeric character uppercase unique value linked to a PAN • Space = not provided 			
aniResult	status	<p>Account Name Inquiry (ANI) Result</p> <p>The result of the account name request.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • 00 (Name match performed) • 01 (Name match not performed) • 02 (Name match not supported) • NE (Not enabled) 	C	2	AN
aniFullNameDecision	status	<p>Account Name Inquiry (ANI) Full Name Decision</p> <p>The full name match result if Account Name Request result contains the value of 00 (Name match performed).</p>	O	2	N

Element	Parent object	Description	Required	Max Char	Field Type
		Valid values: <ul style="list-style-type: none"> • 01 (Match) • 50 (Partial match) • 99 (No match) 			
aniLastNameDecision	status	Account Name Inquiry (ANI) Last Name Decision The last name match result if Account Name Request Result contains the value of 00 (Name match performed). Valid values: <ul style="list-style-type: none"> • 01 (Match) • 50 (Partial match) • 99 (No match) 	C	2	N
aniFirstNameDecision	status	Account Name Inquiry (ANI) First Name Decision The first name match result if Account Name Request Result contains the value of 00 (Name match performed). Valid values: <ul style="list-style-type: none"> • 01 (Match) • 50 (Partial match) 	O	2	N

Element	Parent object	Description	Required	Max Char	Field Type
		<ul style="list-style-type: none"> 99 (No match) 			
aniMiddleNameDecision	status	<p>Account Name Inquiry (ANI) Middle Name Decision</p> <p>The middle name match result if Account Name Request Result contains the value of 00 (Name match performed).</p> <p>Valid values:</p> <ul style="list-style-type: none"> 01 (Match) 50 (Partial match) 99 (No match) 	O	2	N
phoneVerificationResult	status	<p>Phone Verification Result</p> <p>The phone number result code in the account verification.</p> <p>Valid Values:</p> <ul style="list-style-type: none"> 1 (Verified) 2 (Failed) 3 (Not performed) 	O	1	N
emailVerificationResult	status	<p>Email Verification Result</p> <p>The email address result code in the account verification.</p>	O	1	N

Element	Parent object	Description	Required	Max Char	Field Type
		Valid Values: <ul style="list-style-type: none"> • 1 (Verified) • 2 (Failed) • 3 (Not performed) 			
lastFourOfCardNumber	status	Last Four Digits of Card Number Returns last four digits of card number provided in request, or returns "XXXX" if last four digits of card number were not provided in request.	C	4	AN
networkTokenIdentifier	status	Network Token Identifier Token as received from the NWT Server. Returned if merchant has signed up for the NWT service, the transaction meets the eligibility criteria, and a token was successfully fetched from the token service vault.	C	19	AN
tokenIDExpiryDate	status	Token ID Expiry Date Returns Token ID Expiry Date if a token was successfully fetched from the token service vault, or returns "XXXX" if a token was not successfully fetched from the token service vault.	C	4	AN

Element	Parent object	Description	Required	Max Char	Field Type
		Format: MMY Y			
tokenUsedInAuthInd	status	Token used in Auth Indicator Valid Values: <ul style="list-style-type: none"> Y = Token was used in auth X = Token was not used in auth 	C	1	A
cryptoRequestedInd	status	Cryptogram Requested Indicator Valid Values: <ul style="list-style-type: none"> Y = Token was requested during Tokenization X = Cryptogram was not requested 	C	1	A
fpanDpanRetryInd	status	FPAN/DPAN Retry Indicator Valid Values: <ul style="list-style-type: none"> Y = Retry Logic was used to retry with FPAN/DPAN X = Retry did not occur 	C	1	A
rtauFlagForRetryInd	status	Real Time Account Updater Flag for Retry Indicator Valid Values: <ul style="list-style-type: none"> Y = RTAU logic was used for Tokenization during auth 	C	1	A

Element	Parent object	Description	Required	Max Char	Field Type
		<ul style="list-style-type: none"> x = RTAU logic was not performed during retry 			
fpanExpiryDate	status	<p>FPAN Expiry Date</p> <p>FPAN Expiry Date is provided if an FPAN expiry exists in the token service vault, or submit "XXXX" if an FPAN expiry does not exist in the token service vault.</p> <p>Format: MMY</p>	C	4	AN
remainingBalance	order	<p>Remaining Card Balance</p> <p>Indicates the amount remaining on the card when returned in the response from the issuer.</p>	C	Var	N
requestAmount	order	<p>Requested Transaction Amount</p> <p>Echoes the amount from the request.</p>	C	Var	N
redeemedAmount	order	<p>Redeemed Transaction Amount</p> <p>Indicates the amount returned in the response from the host.</p>	C	Var	N
tokenAssuranceMethod	order	<p>Token Assurance Method</p> <p>Indicates a variety of cardholder authentication methods that exist for e-commerce tokenization programs.</p>	C	2	AN

Element	Parent object	Description	Required	Max Char	Field Type
receivedNetworkTransactionId	order	<p>Received Network Transaction ID</p> <p>Network Reference ID received from Discover in the Authorization Response.</p> <p>Returned with <code>version=4.9</code> and higher.</p>	O	15	AN
avsBilling	paymentResponse	AVS Billing parent object	N/A	N/A	N/A
avsZip	avsBilling	<p>Cardholder Billing Address Zip Code</p> <p>Must include the 5-digit zip code at a minimum.</p> <p>Separate zip code + 4 with a hyphen (-).</p> <p>Note: To avoid declined transactions, always send full Address Verification Services (AVS) data.</p>	C	10	AN
avsAddress1	avsBilling	<p>Cardholder Billing Address line 1</p> <p>Should not include %.</p> <p>Stratus (BIN 000001): When both address lines are used, send the local address (street address) in <code>avsAddress2</code> and the suite/apt number in <code>avsAddress1</code>. Except when using Safetech Fraud, send the local/street address in <code>avsAddress1</code>.</p>	C	30	AN

Element	Parent object	Description	Required	Max Char	Field Type
		Note: To avoid declined transactions, always send full Address Verification Services (AVS) data.			
avsAddress2	avsBilling	<p>Cardholder Billing Address line 2</p> <p>Should not include %</p> <p>Stratus (BIN 000001): When both address lines are used, send the local address (street address) in <code>avsAddress2</code> and the suite/apt number in <code>avsAddress1</code>. Except when using Safetech Fraud, send the local/street address in <code>avsAddress1</code>.</p>	O	30	AN
avsCity	avsBilling	<p>Cardholder Billing City</p> <p>Should not include %</p> <p>Note: To avoid declined transactions, always send full Address Verification Services (AVS) data.</p>	C	20	AN
avsState	avsBilling	<p>Cardholder Billing State</p> <p>Should not include any of the following characters: % ^ \ /</p>	C	2	AN

Element	Parent object	Description	Required	Max Char	Field Type
avsPhone	avsBilling	<p>Cardholder Billing Phone Number</p> <p>AAAEENNNNXXXX, where:</p> <ul style="list-style-type: none"> • AAA = Area Code • EEE = Exchange • NNNN = Number • XXXX = Extension 	C	14	AN
avsName	avsBilling	<p>Cardholder Billing Name</p> <p>Required for all Electronic Check transactions, and all European Direct Debit (EUDD) transactions.</p>	C	30	AN
avsCountryCode	avsBilling	<p>Cardholder Billing Address Country Code</p> <p>Cardholder billing address country code. Standard two-character ISO code.</p> <p>Valid values, including but not limited to:</p> <ul style="list-style-type: none"> • US = United States • CA = Canada • GB = Great Britain • UK = United Kingdom • Blank = null 	C	2	A

Element	Parent object	Description	Required	Max Char	Field Type
		Note: Required for processing a UK-based address. Valid EUDD countries: AD, AT, BE, BG, HR, CY, CZ, DK, EE, FI, FR, DE, GI, GR, HU, IE, IT, LV, LI, LT, LU, MT, MC, NL, NO, PL, PT, RO, SM, SK, SI, ES, SE, CH, GB and VA.			
avsRespCode	avsBilling	Address Verification Request Response Conditional on AVS request being sent. Refer to Response Code Values .	C	2	A
hostAVSRespCode	avsBilling	Actual Host Address Verification Response Code Exact address verification response sent by host authorization system (non-normalized by the Gateway). For those systems that have already coded to the Stratus/Tandem authorization response values, they are available via this field.	M	2	A
cardholderVerification	paymentsResponse	Cardholder Verification parent object	N/A	N/A	N/A
cvvRespCode	cardholderVerification	Card Verification Value Request Response Conditional on card verification request being sent. Refer to CVV Response Codes .	C	1	A

Element	Parent object	Description	Required	Max Char	Field Type
hostCVVRespCode	cardholderVerification	<p>Actual Host Card Verification Response Code</p> <p>Exact card verification response sent by host authorization system (non-normalized by the Gateway).</p> <p>For those systems that have already coded to the Stratus/Tandem authorization response values, they are available via this field.</p>	M	1	A
debit	paymentsResponse	Debit parent object	N/A	N/A	N/A
debitBillerReferenceNumber	debit	<p>Biller Reference Number (PINless Debit Bill Pay Only)</p> <p>Echoes value from request.</p>	C	25	AN
fraudAnalysis	paymentsResponse	Fraud Analysis parent object	N/A	N/A	N/A
fraudScoreProcStatus	fraudAnalysis	<p>Process Status of Fraud Score request</p> <p>Identifies whether transactions have successfully passed all of the Gateway edit checks related specifically to Fraud Analysis messages:</p> <ul style="list-style-type: none"> 0 = Success <p>All other values constitute an error condition.</p>	M	Var	N

Element	Parent object	Description	Required	Max Char	Field Type
		Refer to Process Status and Process Status Message Values table in Process Status in Response .			
fraudScoreProcMsg	fraudAnalysis	Verbose Text Description associated with FraudScoreProcStatus	C	Var	A
fraudAnalysisResponse	paymentsResponse	Fraud Analysis Response parent object	M	N/A	N/A
fraudScoreIndicator	fraudAnalysisResponse	Fraud Score Indicator Echoes <code>FraudScoreIndicator</code> from the request message.	M	1	N
fraudStatusCode	fraudAnalysisResponse	Fraud Status Code The response code returned by the Safetech service to indicating the status of the fraud analysis.	C	4	A
riskInquiryTransactionID	fraudAnalysisResponse	Risk Inquiry Transaction ID A unique ID used to identify the fraud assessment.	C	32	A
autoDecisionResponse	fraudAnalysisResponse	Auto Decision Response The auto decision response code returned by the Safetech service. The following is a list of valid values:	O	1	A

Element	Parent object	Description	Required	Max Char	Field Type
		<ul style="list-style-type: none"> • A = Approved • D = Decline • E = Manager Review • R = Review <p>This list may expand in the future.</p>			
riskScore	fraudAnalysisResponse	<p>Risk Score</p> <p>This element may be returned as null if the Safetech service was not successful in generating a fraud score.</p>	C	2	N
kaptchaMatchFlag	fraudAnalysisResponse	<p>Kaptcha Match Flag</p> <p>Indicates if a request to the Safetech service has a corresponding Kaptcha record.</p>	O	1	A
worstCountry	fraudAnalysisResponse	<p>Worst Country</p> <p>The two-character ISO 3166 country code of the highest risk country associated with this customer in the last 14 days.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	C	2	A
customerRegion	fraudAnalysisResponse	<p>Customer Region</p>	C	2	A

Element	Parent object	Description	Required	Max Char	Field Type
		<p>The estimated region of the customer.</p> <p>The Safetech service will use lower case letters to represent a state or province, while uppercase letters indicate a county.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>			
paymentBrand	fraudAnalysisResponse	<p>Payment Brand</p> <p>The payment method (brand) identified by the Safetech service during Fraud Analysis.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	4	A
fourteenDayVelocity	fraudAnalysisResponse	<p>Fourteen Day Velocity</p> <p>The total number of prior sales by this customer within the last 14 days.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	2	A/N
sixHourVelocity	fraudAnalysisResponse	<p>Six Hour Velocity</p> <p>The total number of prior sales by this customer in any 6-hour window over the last 14 days.</p>	O	2	A/N

Element	Parent object	Description	Required	Max Char	Field Type
		This element is only returned with a Fraud Score Indicator of 2.			
customerNetwork	fraudAnalysisResponse	<p>Customer Network Type indicator</p> <p>A single character designation of the type of network used by the customer to initiate the transaction.</p> <p>Some possible values can include:</p> <ul style="list-style-type: none"> • A = Anonymous • L = Library • H = High School • N = Normal • P = Prison • S = Satellite <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	1	A
numberOfDevices	fraudAnalysisResponse	<p>Number of Devices with Transaction</p> <p>The number of devices associated with the transaction, as recorded by the Safetech service.</p>	O	3	N

Element	Parent object	Description	Required	Max Char	Field Type
		This element is only returned with a Fraud Score Indicator of 2.			
numberOfCards	fraudAnalysisResponse	<p>Number of Cards with Transaction</p> <p>The number of cards associated with the transaction, as recorded by the Safetech service.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	3	N
numberOfEmails	fraudAnalysisResponse	<p>Number of Emails with Transaction</p> <p>The number of emails associated with the transaction, as recorded by the Safetech service.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	3	N
deviceLayers	fraudAnalysisResponse	<p>Device Layer Description</p> <p>A period-delimited description of the Network, Flash, JavaScript, HTTP, and Browser layers of the device used by the customer to initiate the transaction, as determined by the Safetech service.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	54	A

Element	Parent object	Description	Required	Max Char	Field Type
deviceFingerprint	fraudAnalysisResponse	<p>Device Fingerprint</p> <p>A hash of system identifiers determined by the Safetech service to be constants for the device used by the customer.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	32	A
customerTimeZone	fraudAnalysisResponse	<p>Customer Time Zone</p> <p>The time zone where the customer resides, as an offset from GMT.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	4	N
customerLocalDateTime	fraudAnalysisResponse	<p>Customer Local Date and Time</p> <p>The local timestamp of the customer's device.</p> <p>Format: YYYY-MM-DD HH:MM</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	16	N
deviceRegion	fraudAnalysisResponse	<p>Device Region</p> <p>Indicates the region or state where the customer's device resides.</p>	O	2	A

Element	Parent object	Description	Required	Max Char	Field Type
		<p>The Safetech service will use lower case letters to represent a state or province, while uppercase letters indicate a county.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>			
deviceCountry	fraudAnalysisResponse	<p>Device Country</p> <p>The ISO 3166 Country code which indicates the country where the customer's device resides.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	2	A
proxyStatus	fraudAnalysisResponse	<p>Proxy Status Indicator</p> <p>Indicates if the device used by the customer is using a proxy network.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	1	A
javascriptStatus	fraudAnalysisResponse	<p>JavaScript Status Indicator</p> <p>Indicates if the device used by the customer allows use of JavaScript.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	1	A

Element	Parent object	Description	Required	Max Char	Field Type
flashStatus	fraudAnalysisResponse	<p>Flash Status Indicator</p> <p>Indicates if the device used by the customer allows Flash.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	1	A
cookiesStatus	fraudAnalysisResponse	<p>Cookies Status Indicator</p> <p>Indicates if the device used by the customer allows use of cookies.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	1	A
browserCountry	fraudAnalysisResponse	<p>Browser Country</p> <p>The ISO 3166 Country code which indicates the country where the customer's browser resides.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	2	A

Element	Parent object	Description	Required	Max Char	Field Type
browserLanguage	fraudAnalysisResponse	<p>Browser Language</p> <p>The ISO 639-1 standard code which indicates the language of the customer's browser.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	2	A
mobileDeviceIndicator	fraudAnalysisResponse	<p>Mobile Device Indicator</p> <p>Indicates if the device used by the customer is a mobile device.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	1	A
mobileDeviceType	fraudAnalysisResponse	<p>Mobile Device Type</p> <p>A description of the type of mobile device used by the customer</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	32	A
mobileWirelessIndicator	fraudAnalysisResponse	<p>Mobile Wireless Indicator</p> <p>Indicates if the device used by the customer has wireless capabilities.</p>	O	1	A

Element	Parent object	Description	Required	Max Char	Field Type
		This element is only returned with a Fraud Score Indicator of 2.			
voiceDevice	fraudAnalysisResponse	<p>Voice Device Indicator</p> <p>Indicates if the device used by the customer is voice controlled.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	1	A
pcRemoteIndicator	fraudAnalysisResponse	<p>PC Remote Indicator</p> <p>Indicates if the device used by the customer is a remotely controlled computer.</p> <p>This element is only returned with a Fraud Score Indicator of 2.</p>	O	1	A
rulesDataLength	fraudAnalysisResponse	<p>Rules Trigger Reply Data Length</p> <p>Indicates the length of the data contained in the <code>RulesData</code> element.</p> <p>Values in this element are no less than 0005 and no greater than 0999.</p> <p>Returned only if the <code>RulesTrigger</code> element is set to Y on the request message.</p>	O	4	N

Element	Parent object	Description	Required	Max Char	Field Type
rulesData	fraudAnalysisResponse	<p>Rules Trigger Reply Data</p> <p>A comma-delimited list of the rules triggered in the Safetech service by the transaction request.</p> <p>Refer to Special Notes on Rules Trigger Response Data.</p>	O	Var	A/N
cardTypeIndicator	paymentsResponse	Card Type Indicator parent object	N/A	N/A	N/A
ctiAffluentCard	cardTypeIndicator	<p>Card Indicator: Affluent Category</p> <p>Affluent cards have very high pre-set spending limits, if any.</p> <p>Returned only for BIN 000001 merchants on applicable transactions.</p>	O	1	A
ctiCommercialCard	cardTypeIndicator	<p>Card Indicator: Commercial Card</p> <p>Refer to Card Type Indicators: Enhanced Authorizations.</p> <p>Returned only for BIN 000001 merchants on applicable transactions.</p>	O	1	A
ctiDurbinExemption	cardTypeIndicator	<p>Card Indicator: Durbin</p> <p>Returned only for BIN 000001 merchants on applicable transactions.</p>	O	1	A

Element	Parent object	Description	Required	Max Char	Field Type
ctiHealthcareCard	cardTypeIndicator	Card Indicator: Healthcare Card Returned only for BIN 000001 merchants on applicable transactions.	O	1	A
ctiLevel3Eligible	cardTypeIndicator	Card Indicator: Level 3 Data Eligibility Refer to Card Type Indicators: Enhanced Authorizations . Returned only for BIN 000001 merchants on applicable transactions.	O	1	A
ctiPayrollCard	cardTypeIndicator	Card Indicator: Payroll Card Returned only for BIN 000001 merchants on applicable transactions.	O	1	A
ctiPrepaidCard	cardTypeIndicator	Card Indicator: Prepaid Card Returned only for BIN 000001 merchants on applicable transactions.	O	1	A

Element	Parent object	Description	Required	Max Char	Field Type
ctiPINlessDebitCard	cardTypeIndicator	<p>Card Indicator: PINless Debit Eligibility</p> <p>Refer to Card Type Indicators: Enhanced Authorizations.</p> <p>Returned only for BIN 000001 merchants on applicable transactions.</p> <p>Valid value:</p> <ul style="list-style-type: none"> • X = indicator not applicable <p>Note: Y and N are no longer returned as valid values.</p>	O	1	A
ctiSignatureDebitCard	cardTypeIndicator	<p>Card Indicator: Signature Debit Eligibility</p> <p>Signature Debit refers to processing a debit card as a credit card.</p> <p>Returned only for BIN 000001 merchants on applicable transactions.</p>	O	1	A
ctiIssuingCountry	cardTypeIndicator	<p>Card Indicator: Issuing Country</p> <p>Used to distinguish a domestic or international customer.</p> <p>Format: 3 alphanumeric character ISO country code.</p> <p>Returned only for BIN 000001 merchants on applicable transactions.</p>	O	3	AN

Element	Parent object	Description	Required	Max Char	Field Type
ctiPrepaidReloadableCard	cardTypeIndicator	<p>Card Type Indicator (CTI) Prepaid Reloadable Card</p> <p>Indicates whether the card is prepaid reloadable, non-reloadable or an anonymous card.</p> <p>Valid values :</p> <ul style="list-style-type: none"> • Y = reloadable • N = non-reloadable • A = Anonymous • X = Not Applicable/Unknown <p>Notes:</p> <ul style="list-style-type: none"> • Returned only for BIN 000001 merchants on applicable transactions. • Returned only if version=4.4 or higher is sent in the request. 	O	1	AN
earlyWarningSystem	paymentResponse	Early Warning System parent object	N/A	N/A	N/A

Element	Parent object	Description	Required	Max Char	Field Type
ewsAccountStatusCode	earlyWarningSystem	<p>Advanced Verification Account Status Code</p> <p>Conditional on Advanced Verification Electronic Check transactions.</p> <p>Bank account status code returned by the Early Warning System when an Account Status Verification action is taken</p> <p>Refer to Account Status Codes.</p>	C	3	N
ewsAOAConditionCode	earlyWarningSystem	<p>Advanced Verification AOA Condition Code</p> <p>Conditional on Advanced Verification Electronic Check transactions with Account Owner Authentication.</p> <p>Value returned to indicate the availability of Account Owner Authentication data.</p> <p>Refer to AOA Condition Codes.</p>	C	3	N
ewsNameMatch	earlyWarningSystem	<p>Advanced Verification Name Match Code</p> <p>Conditional on Advanced Verification Electronic Check transactions with Account Owner Authentication, when the corresponding data is in the Payment request.</p> <p>Valid values:</p> <ul style="list-style-type: none"> Y = Closely or exactly matches 	C	1	A

Element	Parent object	Description	Required	Max Char	Field Type
		<ul style="list-style-type: none"> • C = Conditionally (Partially) matches • N = No match • U = No identifying data is available • " " = Blank <p>Note: Indicates the results of a match on all three name fields on the ECP Advanced Verification for an Account Owner Authentication. It is returned when <code>ewsAOAConditionCode</code> is 000 (Normal return – no system errors).</p>			
ewsFirstNameMatch	earlyWarningSystem	<p>Advanced Verification First Name Match Code</p> <p>Conditional on Advanced Verification Electronic Check transactions with Account Owner Authentication, when the corresponding data is in the Payment request.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • Y = Closely or exactly matches • N = No match • U = No identifying data is available • " " = Blank <p>Note: Indicates the results of a match on the First Name field on the ECP Advanced Verification for an Account Owner</p>	C	1	A

Element	Parent object	Description	Required	Max Char	Field Type
		Authentication. It is returned when <code>ewsAOAConditionCode</code> is 000 (Normal return – no system errors).			
ewsMiddleNameMatch	earlyWarningSystem	<p>Advanced Verification Middle Name or Initial Match Code</p> <p>Conditional on Advanced Verification Electronic Check transactions with Account Owner Authentication, when the corresponding data is in the Payment request.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • Y = Closely or exactly matches • N = No match • U = No identifying data is available • " " = Blank <p>Note: Indicates the results of a match on Middle Name or Initial field on the ECP Advanced Verification for an Account Owner Authentication. It is returned when <code>ewsAOAConditionCode</code> is 000 (Normal return – no system errors).</p>	C	1	A
ewsLastNameMatch	earlyWarningSystem	<p>Advanced Verification Last Name Match Code</p>	C	1	A

Element	Parent object	Description	Required	Max Char	Field Type
		<p>Conditional on Advanced Verification Electronic Check transactions with Account Owner Authentication, when the corresponding data is in the Payment request.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • Y = Closely or exactly matches • N = No match • U = No identifying data is available • " " = Blank <p>Note: Indicates the results of a match on the Last Name field on the ECP Advanced Verification for an Account Owner Authentication. It is returned when <code>ewsAOAConditionCode</code> is 000 (Normal return – no system errors).</p>			
ewsBusinessNameMatch	earlyWarningSystem	<p>Advanced Verification Business Name or Initial Match Code</p> <p>Conditional on Advanced Verification Electronic Check transactions with Account Owner Authentication, when the corresponding data is in the Payment request.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • Y = Closely or exactly matches • C = Conditionally (Partially) matches 	C	1	A

Element	Parent object	Description	Required	Max Char	Field Type
		<ul style="list-style-type: none"> • N = No match • U = No identifying data is available • " " = Blank <p>Note: Indicates the results of a match on the Business Name field on the ECP Advanced Verification for an Account Owner Authentication. It is returned when <code>ewsAOAConditionCode</code> is 000 (Normal return – no system errors).</p>			
ewsAddressMatch	earlyWarningSystem	<p>Advanced Verification Address 1 and Address 2 Match Code</p> <p>Conditional on Advanced Verification Electronic Check transactions with Account Owner Authentication, when the corresponding data is in the Payment request.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • Y = Closely or exactly matches • C = Conditionally (Partially) matches • N = No match • U = No identifying data is available • " " = Blank <p>Note: Indicates the results of a match on the combined Address 1 and Address 2 fields on the ECP Advanced</p>	C	1	A

Element	Parent object	Description	Required	Max Char	Field Type
		Verification for an Account Owner Authentication. It is returned when <code>ewsAOAConditionCode</code> is 000 (Normal return – no system errors).			
ewsCityMatch	earlyWarningSystem	<p>Advanced Verification City Name or Initial Match Code</p> <p>Conditional on Advanced Verification Electronic Check transactions with Account Owner Authentication, when the corresponding data is in the Payment request.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • Y = Closely or exactly matches • C = Conditionally (Partially) matches • N = No match • U = No identifying data is available • " " = Blank <p>Note: Indicates the results of a match on City field on the ECP Advanced Verification for an Account Owner Authentication. It is returned when <code>ewsAOAConditionCode</code> is 000 (Normal return – no system errors).</p>	C	1	A

Element	Parent object	Description	Required	Max Char	Field Type
ewsStateMatch	earlyWarningSystem	<p>Advanced Verification State Match Code</p> <p>Conditional on Advanced Verification Electronic Check transactions with Account Owner Authentication, when the corresponding data is in the Payment request.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • Y = Closely or exactly matches • N = No match • U = No identifying data is available • " " = Blank <p>Note: Indicates the results of a match on the State field on the ECP Advanced Verification for an Account Owner Authentication. It is returned when <code>ewsAOAConditionCode</code> is 000 (Normal return – no system errors).</p>	C	1	A
ewsZipMatch	earlyWarningSystem	<p>Advanced Verification Zip Code Match Code</p> <p>Conditional on Advanced Verification Electronic Check transactions with Account Owner Authentication, when the corresponding data is in the Payment request.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • Y = Closely or exactly matches 	C	1	A

Element	Parent object	Description	Required	Max Char	Field Type
		<ul style="list-style-type: none"> • C = Conditionally (Partially) matches • N = No match • U = No identifying data is available • " " = Blank <p>Note: Indicates the results of a match on the Zip field on the ECP Advanced Verification for an Account Owner Authentication. It is returned when <code>ewsAOAConditionCode</code> is 000 (Normal return – no system errors).</p>			
ewsPhoneMatch	earlyWarningSystem	<p>Advanced Verification Phone Match Code</p> <p>Conditional on Advanced Verification Electronic Check transactions with Account Owner Authentication, when the corresponding data is in the Payment request.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • Y = Closely or exactly matches • C = Conditionally (Partially) matches • N = No match • U = No identifying data is available • " " = Blank 	C	1	A

Element	Parent object	Description	Required	Max Char	Field Type
		<p>Note: Indicates the results of a match on the Phone field on the ECP Advanced Verification for an Account Owner Authentication. It is returned when <code>ewsAOAConditionCode</code> is 000 (Normal return – no system errors).</p>			
ewsSSNTINMatch	earlyWarningSystem	<p>Advanced Verification SSN or TIN Match Code</p> <p>Conditional on Advanced Verification Electronic Check transactions with Account Owner Authentication, when the corresponding data is in the Payment request.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • Y = Closely or exactly matches • N = No match • U = No identifying data is available • " " = Blank <p>Note: Indicates the results of a match of the last four digits on SSN or TIN field on the ECP Advanced Verification for an Account Owner Authentication. It is returned when <code>ewsAOAConditionCode</code> is 000 (Normal return – no system errors).</p>	C	1	A

Element	Parent object	Description	Required	Max Char	Field Type
ewsDOBMatch	earlyWarningSystem	<p>Advanced Verification Date of Birth Match Code</p> <p>Conditional on Advanced Verification Electronic Check transactions with Account Owner Authentication, when the corresponding data is in the Payment request.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • Y = Closely or exactly matches • C = Conditionally (Partially) matches • N = No match • U = No identifying data is available • " " = Blank <p>Note: Indicates the results of a match on the DOB field on the ECP Advanced Verification for an Account Owner Authentication. It is returned when <code>ewsAOAConditionCode</code> is 000 (Normal return – no system errors).</p>	C	1	A
ewsIDTypeMatch	earlyWarningSystem	<p>Advanced Verification ID Type Match Code</p> <p>Conditional on Advanced Verification Electronic Check transactions with Account Owner Authentication, when the corresponding data is in the Payment request.</p> <p>Valid values:</p>	C	1	A

Element	Parent object	Description	Required	Max Char	Field Type
		<ul style="list-style-type: none"> • Y = Closely or exactly matches • N = No match • U = No identifying data is available • " " = Blank <p>Note: Indicates the results of a match on ID Type field on the ECP Advanced Verification for an Account Owner Authentication. It is returned when <code>ewsAOAConditionCode</code> is 000 (Normal return – no system errors).</p>			
ewsIDNumberMatch	earlyWarningSystem	<p>Advanced Verification Identification Number Match Code</p> <p>Conditional on Advanced Verification Electronic Check transactions with Account Owner Authentication, when the corresponding data is in the Payment request.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • Y = Closely or exactly matches • C = Conditionally (Partially) matches • N = No match • U = No identifying data is available • " " = Blank 	C	1	A

Element	Parent object	Description	Required	Max Char	Field Type
		<p>Note: Indicates the results of a match on the ID Number field on the ECP Advanced Verification for an Account Owner Authentication. It is returned when <code>ewsAOAConditionCode</code> is 000 (Normal return – no system errors).</p>			
ewsIDStateMatch	earlyWarningSystem	<p>Advanced Verification State Identification Match Code</p> <p>Conditional on Advanced Verification Electronic Check transactions with Account Owner Authentication, when the corresponding data is in the Payment request.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • Y = Closely or exactly matches • N = No match • U = No identifying data is available • " " = Blank <p>Note: Indicates the results of a match on ID State field on the ECP Advanced Verification Processing Requirements for an Account Owner Authentication. It is returned when <code>ewsAOAConditionCode</code> is 000 (Normal return – no system errors).</p>	C	1	A

Element	Parent object	Description	Required	Max Char	Field Type
avConsumerAccountDate	earlyWarningSystem	<p>EWS Consumer Account Date</p> <p>Advance Verification Consumer Account Date indicates the date when the customer's checking account was added or deleted from the ECP EWS Advanced Verification database.</p> <p>Conditional upon:</p> <ul style="list-style-type: none"> EWS Status Flag = Y/Enabled/TRUE Client Integration Testing Flag = Y/Enabled/TRUE Date Format [MM/DD/YYYY] <p>Notes:</p> <ul style="list-style-type: none"> A = date that the account was added to the database D = date that the account was deleted from the database <p>To receive this field in the response message, merchants must use Version 3.9 (or later).</p>	C	8	N
foreignExchange	paymentsResponse	Foreign Exchange parent object	N/A	N/A	N/A
fxOptOutInd	foreignExchange	<p>Opt-Out Indicator</p> <p>Identifies if the Merchant is Opting out or in for special rate (Custom IB Rate) processing. The system will use the default currency conversion rates.</p>	C	1	A

Element	Parent object	Description	Required	Max Char	Field Type
		<p>Valid values:</p> <ul style="list-style-type: none"> • Y = Merchant is opting out of the processing for custom IB rates • N = Merchant is opting in for the processing of custom IB rates (default) <p>Returned for Access FX transaction.</p> <p>If merchant is enabled for Access FX and not sending <code>fxOptoutInd</code> then proc status 19792: FX Missing Data returned.</p> <p>If merchant is enabled for Access FX and if merchant sends invalid value of <code>fxOptoutInd</code> then proc status 19791: Invalid value is returned.</p> <p>If merchant is not enabled for Access FX and if merchant sends <code>fxOptoutInd</code> then proc status 19789: FX Merchant is not eligible is returned.</p> <p>Required for Access FX transaction.</p> <p>This field can only be submitted for Access FX transaction and if sent without enabling Access FX, the value is dropped.</p>			

Element	Parent object	Description	Required	Max Char	Field Type
fxRateHandlingInd	foreignExchange	<p>Rate Handling Indicator</p> <p>Indicator to allow the merchant to define if there is an issue with the Rate ID, process with either reject or use default rate ID for Deposit processing.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • D = Default Rate ID when the Rate ID cannot be determined. • R = Reject the transaction when the Rate ID cannot be determined. <p>Note: This Field is Conditional</p> <ul style="list-style-type: none"> • If Opt-Out Indicator = N, this field is mandatory. • If Opt-Out Indicator = Y, this field can be blank. <p>Returned for Access FX transaction.</p>	C	1	A
fxRateID	foreignExchange	<p>Rate Identifier</p> <p>Identifier used to indicate the exchange rate that is being used for the transaction. Left justified/space filled.</p> <p>Returned for Access FX transaction.</p>	O	37	A

Element	Parent object	Description	Required	Max Char	Field Type
fxExchangeRate	foreignExchange	<p>Exchange Rate</p> <p>Exchange Rate used for the Cross-Currency conversion. Exchange Rate is populates from the Rate file and used for the cross currency conversion. Include decimal as sent.</p> <p>Left Justified/Space filled</p> <p>Returned for Access FX transaction.</p>	O	20	N
fxPresentmentCurrency	foreignExchange	<p>Presentment Currency</p> <p>Presentment Currency involved in the transaction. Values must be in ISO Format. For example: ISO Numeric value for Euro is 978.</p> <p>Returned for Access FX transaction.</p>	O	3	N
fxSettlementCurrency	foreignExchange	<p>Settlement Currency</p> <p>Settlement Currency involved for Settlement. Values must be in ISO format. For example: ISO Numeric value for Euro is 978.</p> <p>Returned for Access FX transaction.</p>	O	3	N
fxDefaultRateInd	foreignExchange	<p>Default Rate Indicator (Default Rate ID)</p>	C	1	A

Element	Parent object	Description	Required	Max Char	Field Type
		<p>Indicates that the default <code>RateID</code> and <code>Rate</code> was used to process the record.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • <code>Y</code> = Default Rate ID/Rate used for processing • <code>N</code> = Default was not used. <p>Conditionally returned for Access FX transaction.</p>			
fxRateStatus	foreignExchange	<p>Rate Status</p> <p>Indicates the status of the rate information exchanged with CSo.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • <code>000</code> = Valid Rate ID • <code>001</code> = Invalid Rate ID • <code>002</code> = Missing Rate ID • <code>003</code> = Expired Rate ID • <code>004</code> = Invalid ACTION code, not supported Missing Product Record Request • <code>005</code> = Invalid ACTION code to Rate file ACTION • <code>006</code> = Invalid Currency used No Default Rate ID, last valid Rate ID used 	C	3	A

Element	Parent object	Description	Required	Max Char	Field Type
		<ul style="list-style-type: none"> • 007 = Opt out selected - no custom rates applied • 008 = Invalid MOP, not supported • 009 = Opt out indicator invalid • 010 = Rate Handling indicator invalid • 011 = Rate ID and Rate mismatch • 012 = Other <p>Returned for Access FX transaction.</p>			
realTimeAccountUpdater	paymentsResponse	Real Time Account Updater parent object	N/A	N/A	N/A
rtauUpdatedCardNum	realTimeAccountUpdater	<p>Updated Credit Card Number received from RTAU Response</p> <p>Conditional upon if there is an updated credit card number returned in place of the original credit card submitted in the request.</p> <p>Identifies an updated credit card number for a particular transaction when RTAU happened.</p> <p>Notes:</p>	C	19	N

Element	Parent object	Description	Required	Max Char	Field Type
		<ul style="list-style-type: none"> For Use Profile base transactions, Orbital will update the card information within the profile and only the Profile ID back to the merchant. For on-the-fly Profile base transactions, Orbital will update the card information within the profile and send the updated Card number and the Profile ID back to the merchant. For Non-profile related transactions, Orbital will return the updated card number back to the merchant. 			
rtauUpdatedCardExp	realTimeAccountUpdater	<p>Updated Credit Card Expiration Date received from RTAU Response</p> <p>Conditional upon if there is an updated expiration date returned for the credit card submitted in the request.</p> <p>Identifies an updated Expiration date for the credit card submitted when RTAU was done.</p> <p>Format: YYYYMM</p> <p>Notes:</p> <ul style="list-style-type: none"> For Use Profile base transactions, Orbital will update the card information within the profile and only the Profile ID back to the merchant. 	C	6	N

Element	Parent object	Description	Required	Max Char	Field Type
		<ul style="list-style-type: none"> For On-the-fly Profile base transactions, Orbital will update the card information within the profile and send the updated Exp. date and the Profile ID back to the merchant. For Non-profile related transactions, Orbital will return the Exp. Date back to the merchant 			
rtauResponseCode	realTimeAccountUpdater	<p>Real Time Account Updater Response Code</p> <p>For all the transactions that are eligible for RTAU, Orbital will always receive a RTAU response code.</p> <p>For Use Profile base transactions, Orbital will not send a RTAU response code back to the merchant as well as not display it in VT.</p> <p>In Virtual Terminal, this field will be displayed as “Real Time Account Update Response Code.”</p>	C	1	A
profile	paymentsResponse	Profile parent object	N/A	N/A	N/A
customerRefNum	profile	<p>Customer Reference Number</p> <p>Used to utilize a Customer Profile on all future orders</p> <p>Based on the <code>customerProfileFromOrderInd</code> field from a Profile Add:</p>	C	22	AN

Element	Parent object	Description	Required	Max Char	Field Type
		<ul style="list-style-type: none"> If customerProfileFromOrderInd=S, this field will echo the Customer Reference Number sent in the Profile Request. If customerProfileFromOrderInd=A, this field will return Customer Reference Number assigned by the Orbital Gateway. 			
customerName	profile	<p>Customer Billing Name</p> <p>If the request included Profile Add, echoes value from the request.</p>	C	30	AN
profileProcStatus	profile	<p>Result Status of Profile Management</p> <p>Communicates the success or failure of a Profile Management request:</p> <ul style="list-style-type: none"> 0 = Success >0 = An error condition <p>Refer to Process Status in Profile Management Responses.</p>	C	6	A
profileProcStatusMsg	profile	<p>Verbose Text Description associated with profileProcStatus</p>	C	Var	A

Element	Parent object	Description	Required	Max Char	Field Type
lastFourOfCardNumber	status	<p>Last Four Digits of Card Number</p> <p>Returns last four digits of card number provided in request, or returns "XXXX" if last four digits of card number were not provided in request.</p>	C	4	AN
networkTokenIdentifier	status	<p>Network Token Identifier</p> <p>Token as received from the NWT Server. Returned if merchant has signed up for the NWT service, the transaction meets the eligibility criteria, and a token was successfully fetched from the token service vault.</p> <p>Notes:</p> <ul style="list-style-type: none"> • Also known as Network Token Number. • This value is only returned for merchant reference. Do not include this value in authorization requests. 	C	19	AN
tokenIDExpiryDate	status	<p>Token ID Expiry Date</p> <p>Returns Token ID Expiry Date if a token was successfully fetched from the token service vault, or returns "XXXX" if a token was not successfully fetched from the token service vault.</p> <p>Format: MMY</p>	C	4	AN

Element	Parent object	Description	Required	Max Char	Field Type
tokenUsedInAuthInd	status	<p>Token used in Auth Indicator</p> <p>Valid Values:</p> <ul style="list-style-type: none"> Y = Token was used in auth X = Token was not used in auth 	C	1	A
cryptoRequestedInd	status	<p>Cryptogram Requested Indicator</p> <p>Valid Values:</p> <ul style="list-style-type: none"> Y = Token was requested during Tokenization X = Cryptogram was not requested 	C	1	A
fpanDpanRetryInd	status	<p>FPAN/DPAN Retry Indicator</p> <p>Valid Values:</p> <ul style="list-style-type: none"> Y = Retry Logic was used to retry with FPAN/DPAN X = Retry did not occur 	C	1	A
rtaFlagForRetryInd	status	<p>Real Time Account Updater Flag for Retry Indicator</p> <p>Valid Values:</p> <ul style="list-style-type: none"> Y = RTAU logic was used for Tokenization during auth X = RTAU logic was not performed during retry 	C	1	A

