TRANSACTIONS
EXPORT API
Specifications

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1   INTRODUCTION

CHARGE Anywhere Comsgate allows third-party systems to retrieve transaction information from the CHARGE Anywhere database by posting a request to the server containing search parameters for transactions. The document covers how Channels can retrieve Transactions from the CHARGE Anywhere database as well as how merchants can retrieve Transactions from the CHARGE Anywhere. CHARGE Anywhere has dedicated Sandbox (Test Environment) for testing purposes. Once development has been completed the user can point to production.

Sandbox: webtest.chargeanywhere.com

Production: www.chargeanywhere.com

2 VARIABLE DEFINITIONS

The following variable format notation will be used throughout this document:

A	Alpha Characters Only
N	Numeric Characters Only
AN	Alpha and Numeric characters
x7	Exactly 7 Characters of Type x where x = a, n, an
x..7	No More than 7 Characters of Type x where x = a, n, an
MM	Month
DD	Day
YY	Year
hh	Hour
mm	Minute
ss	Second
$	Dollar Amount with explicit 2 decimal places

3   REQUEST FORMAT

Requests to retrieve transaction data are performed by making HTML POST requests to a script. Choosing which request script depends on the available parameters that can be POSTed.

3.1 Request with Channel Credentials

Requests made with Channel Credentials automatically use CHR(2) (STX) as the delimiter for fields in the response with no text qualifiers.

URL: /chargeanywheremanager/transactions_export_channel.asp

Requests that are made with the credentials of a channel should contain the following pieces of information:

HTML Field	Field Description	Required	Format
UserName	User name of the person making the request. Required	YES	AN6-50
Password	Password corresponding to the User Name. Required	YES	AN8-20
DateFrom	The starting date of the transactions to be retrieved. Should be in mm/dd/yyyy format. Required	YES	mm/dd/yyyy
DateTo	The ending date of the transactions to be retrieved. Should be in mm/dd/yyyy format.	NO	MM/DD/YY
TruncateCardNumber	If the value is "1", the card numbers for the transactions returned will be truncated to only include the last 4 digits.	NO	N..1
ReferenceNumber	If present, will only return results that match this reference number.	NO	AN..50
InvoiceNumber	If present, will only return results that match this invoice number.	NO	AN..50
Recurring	If present, will only return results that are recurring. Should be "1" if present.	NO	N..1
Version	Comsgate Version. Use 1.3	YES	AN..10
Delimiter	The character that is designated to separate the fields that are returned in the response. Decimal Representation. Ex comma (,) is decimal 44	NO	N
TextQualifier	A numeric character that will be used to enclose text fields in the response.	NO	N

3.2 Request with Device Information

Requests made with Channel Credentials automatically use CHR(44) (,) as the delimiter for fields in the response with no text qualifiers.

URL: /chargeanywheremanager/transactions_export_device.asp

Requests that are made with the credentials of a device should contain the following pieces of information:

HTML Field	Field Description	Required	Format
MerchantId	The inflated Merchant Id. Required	YES	AN64
TerminalId	Terminal Id. Required	YES	AN4
Identification	The identification of the device. Required	YES	AN..50
DateFrom	The starting date of the transactions to be retrieved. Should be in mm/dd/yyyy format. Required	NO	MM/DD/YYYY
DateTo	The ending date of the transactions to be retrieved. Should be in mm/dd/yyyy format.	NO	MM/DD/YYYY
TruncateCardNumber	If the value is "1", the card numbers for the transactions returned will be truncated to only include the last 4 digits.	NO	N..1
ReferenceNumber	If present, will only return results that match this reference number.	NO	AN..50
InvoiceNumber	If present, will only return results that match this invoice number.	NO	AN..50
Recurring	If present, will only return results that are recurring. Should be "1" if present.	NO	N..1
Version	Comsgate Version. Use 1.3	YES	AN..10
Delimiter	The character that is designated to separate the fields that are returned in the response. Decimal Representation. Ex comma (,) is decimal 44	NO	N
TextQualifier	A numeric character that will be used to enclose text fields in the response.	NO	N

3.3 Examples

Sandbox Channel:
https://webtest.chargeanywhere.com/ChargeAnywhereManager/Transactions_Export_Channel.asp?UserName=xxx&password=xxx&DateFrom=06/20/2011&Version=1.3

Production Channel:
https://www.chargeanywhere.com/ChargeAnywhereManager/Transactions_Export_Channel.asp?UserName=xyz123&password=Q1w2e3r4&DateFrom=06/20/2011&Version=1.3

Sandbox Device:
https://webtest.chargeanywhere.com/ChargeAnywhereManager/Transactions_Export_Device.asp?MerchantId=xxx&TerminalId=xxxx&Identification=xxx&Version=1.3&DateFrom=06/20/2011

Production Device:
https://www.chargeanywhere.com/ChargeAnywhereManager/Transactions_Export_Device.asp?MerchantId=xxx&TerminalId=xxxx&Identification=xxx&Version=1.3&DateFrom=06/20/2011

4   RESPONSE

Responses will contain the following transaction data for the transactions that match the requested criteria. The data will be in the order that is shown below:

RESPONSE FIELDS

HTML Field	Field Description	Format
TransactionId	The transaction id of the transaction.	N..9
TransactionType	The transaction type of the transaction. The values returned are as follows: 1 Sale 2 Void 3 Return 4 Force 5 Retry 6 Auth Only 7 ClearBatch 8 Auth Only Reversal 9 AvsOnly 10 Inquiry 11 Reversal 12 CloseBatch 13 IncrementalAuth 14 Full Reversal	Numeric
CardNumber	The Card Number of the transaction. If the request indicated that this should be truncated, only the last 4 digits will be returned.	N..16
ExpDate	The Expiration Date of the card used in this transaction in mm/yy format.	N..4
CardPresent	A value of "1" indicates the card was present at the time of the transaction.	N..1
Address	The address used for any address verification services.	AN..50
ZipCode	The zip code used for any address verification services.	AN..9
CustomerNumber	If present, it will contain the customer # of the customer who made the payment.	AN..50
ClerkNumber	If present, it will contain the identifier of the clerk who processed the transaction.	AN..10
CabNumber	**FOR TRANSPORTATION INDUSTRY** If present, it will contain the cab number.	AN..10

InvoiceNumber	If present, will contain the invoice number of the transaction.	AN..50
TimeOn	**FOR TRANSPORTATION INDUSTRY** If present, should contain the time the meter started for this trip	hh:mm:ss
TimeOff	**FOR TRANSPORTATION INDUSTRY** If present, should contain the time the meter stopped for this trip.	hh:mm:ss
TripMiles	**FOR TRANSPORTATION INDUSTRY** If present, should contain the total number of miles traveled for this trip.	Numeric with decimal places
Hookup	**FOR TOWING INDUSTRY** Hookup fee for towing..	$$$
Storage	Fees associated with storage	$$$
Food	Fees associated with food	$$$
Beverage	Fees associated with beverage	$$$
AmountOfSale	Transaction Sale before any surcharges.	$$$
Tax	Tax Amount	$$$
SubTotal	Total after tax.	$$$
Tips	Tips	$$$
Extras	Any extra surcharges	$$$
Tolls	Total amount of tolls	$$$
GrandTotal	Final total of the transaction	$$$
OriginalTransactionId	If present, the TransactionId of the original transaction.	N..9
OriginalTransactionType	If present, the transaction type of the original transaction	N
OriginalGrandTotal	If present, the Grand Total of the original transaction	$$$
OriginalApprovalCode	If present, the approval code of the original transacation	AN..6
ResponseCode	The response code for the transaction	AN..3
ResponseText	The text that corresponds to the response.	AN..100
AVSResult	The result of address verification service requests.	AN..1
ApprovalCode	The credit card approval code returned from the processor.	AN..20
ReferenceNumber	The reference number of the transaction as returned by the processor.	AN..50

DateTime	The date and time the transaction was run.	
Identification	The identification of the device that ran the transaction	AN..50
CompanyName	The company name of the merchant that ran the transaction	AN..50
ProcessorName	The name of the processor	AN..50
TerminalId	The TerminalId of the terminal that ran the transaction.	AN..4
CVVI	The CVV indicator for the transaction.	AN..1
CVVResult	The result of the CVV request.	AN..1
FullName	The full name of the customer.	AN..26
TaxExempt	If the value is "1", indicates the transaction is tax exempt.	N..1
Last4	The last 4 digits of the credit card used in the transaction.	N..4
AuthorizedAmount	The amount that was authorized by the processor for this transaction.	$$$
VersionNumber	The application version number of the application that ran the transaction.	AN..10
Taxes	An XML-style string that contains details of the taxes for this transaction. Refer to the Comsgate spec for details.	AN..1000
GatewayReferenceNumber	The CHARGEAnywhere Comsgate reference number of the transaction.	AN..12
OriginalGatewayReferenceNumber	The CHARGEAnywhere Comsgate reference number of the original transaction.	AN..12
SettlementAmount	The amount to be settled for this transaction when the batch is closed.	$$$
Longitude	The Longitude from GPS coordinates where transaction took place	$$$
Latitude	The Latitude from GPS coordinates where transaction took place	$$$
SettlementDateTime	The time and date when settlement occurred, if applicable.	
SwipeFee	The swipe fee charged by the merchant	$$$
TaxedAmount	The amount that was taxed. This is the amount used to compute the tax	$$$
CardTypeId	The id of the card type.	N..2
CardType	The short code of the card type	AN2

5 DATA ELEMENT

This section describes all the Data Elements used to submit a transaction, request and response, to ComsGate®.

For each Data element there will be a name, description, XML Tag and Type. To submit a transaction to ComsGate for processing, take the values of the Data Elements, wrap them around their corresponding tags, construct the request by concatenating the tagged data elements, and submit the transaction.

5.1 Address

Description:	Returned value is the address used for Address Verification Service on the transaction.
Type:	N..50

5.2 Amount Of Sale

Description:	Transaction sale amount before any added surcharges.
Type:	$$$

5.3 ApprovalCode

Description:	The credit card approval code as returned by the processor.
Type:	AN..6

5.4 AuthorizedAmount

Description:	The amount that was authorized for the transaction by the processor. Returned in the response. Will be different from the GrandTotal in the case of a partial authorization.
Type:	$$$

5.5 AVSResult

Description:	The result of the Address Verification Service request recorded in the transaction. Returned in the response.
Type:	AN..1

5.6 Beverage

Description:	Fees associated with beverages in the transaction.
Type:	$$$

5.7 CabNumber

Description:	Cab number associated with the transaction..
Type:	AN..10

5.8 CardNumber

Description:	The Card Number of the transaction. If the request indicated that this should be truncated, only the last 4 digits will be returned.
Type:	N..16

5.9 CardPresent

Description:	This field is used to indicate if the card was present at the time of transaction.
Type:	N..1

5.10 CardType

Description:	A numeric value that represent the type of the credit card.
Type:	N..2

5.11 CardTypeId

Description:	An alpha numeric represent ion the credit card.
Type:	AN..2

5.12 ClerkNumber

Description:	A string identifying the clerk who performed the transaction.
Type:	AN..10

5.13 CustomerNumber

Description:	If present, it will contain the customer # of the customer who made the payment.
Type:	AN..50

5.14 CompanyName

Description:	The company name of the merchant that ran the transaction. Returned in the response.
Type:	AN..50

5.15 CVVI

Description:	The CVVI indicator that was sent to the processor for the transaction. Returned in the response.
Type:	AN..1

5.16 CVV Result

Description:	The result of the CVV Request.
Type:	AN..1

5.17 DateFrom

Description:	The first date for the range of transactions to be returned.
Type:	MM/DD/YYYY

5.18 DateTime

Description:	The date and time the transaction was run. Returned in the response.
Type:	MM/DD/YYYY hh:mm:ss

5.19 DateTo

Description:	The second date for the range of transactions to be returned.
Type:	MM/DD/YYYY

5.20 Delimiter

Description:	Input parameter. A designated character to separate the fields in the response. Is used only when querying transactions by device. Requests made with Channel Credentials automatically use CHR(2) (STX) as the delimiter for fields in the response.
Type:	N

5.21 Extras

Description:	Any extra surcharges associated with the transaction.
Type:	$$$

5.22 ExpDate

Description:	The Expiration Date of the card used in this transaction in mm/yy format.
Type:	AN..4

5.23 Food

Description:	Costs associated with food returned in the response.
Type:	$$$

5.24 FullName

Description:	The full name of the credit card holder as read from the credit card Track 1 Data.
Type:	AN..26

5.25 Latitude

Description:	The The Latitude from GPS coordinates where transaction took place.
Type:	N

5.26 Longitude

Description:	The Longitude from GPS coordinates where transaction took place.
Type:	AN..26

5.27 GatewayReferenceNumber

Description:	The CHARGE Anywhere Comsgate reference number of the transaction.
Type:	AN..12

5.28 GrandTotal

Description:	Final total of the transaction.
Type:	$$$

5.29 Hookup

Description:	Hookup fee for towing returned in the response.
Type:	$$$

5.30 Identification

Description:	The identification of the device that ran the transaction.
Type:	AN..50

5.31 InvoiceNumber

Description:	Input parameter that will filter results by Invoice Number
Type:	AN..50

5.32 Last4

Description:	The last 4 digits of the credit card number. Returned in the response.
Type:	N

5.33 MerchantId

Description:	Inflated Merchant Id. It is required to be sent if requesting transactions by device.
Type:	AN..64

5.34 OriginalApprovalCode

Description:	The transaction ID of the original transaction if it is applicable.
Type:	N..9

5.35 OriginalGatewayReferenceNumber

Description:	The CHARGE Anywhere Comsgate reference number of the original transaction.
Type:	AN..12

5.36 OriginalGrandTotal

Description:	The Grand Total of the original transaction if it is applicable.
Type:	$$$

5.37 OriginalTransactionId

Description:	The transaction ID of the original transaction if it is applicable.
Type:	N..9

5.38 OriginalTransactionType

Description:	The transaction type of the original transaction.
Type:	N

5.39 Password

Description:	Channel Password
Type:	

5.40 ProcessorName

Description:	The name of the processor that processed the transaction.
Type:	AN..50

5.41 Recurring

Description:	Input parameter that will indicate if only recurring transactions should be returned. If only recurring transactions should be returned, the parameter value should be "1"
Type:	N..1

5.42 ReferenceNumber

Description:	Input parameter that will filter results by reference number.
Type:	AN..50

5.43 ResponseCode

Description:	The response code of the transaction.
Type:	AN..3

5.44 ResponseText

Description:	The response text associated with the response code.
Type:	AN..100

5.45 SettlementAmount

Description:	The amount that will be settled for this transaction. Will be different from the Grand Total if a Void, Incremental Auth, or Partial Reversal was subsequently performed.
Type:	$$$

5.46 SettlementDateTime

Description:	The date and time when the settlement occurred. In the event that CHARGE Anywhere does not submit settlement, this field will reflect a value when a report is generated CHARGE Anywhere to mirror settlement data
Type:	

5.47 Storage

Description:	Storage fees associated with this transaction.
Type:	$$$

5.48 SubTotal

Description:	Total amount after tax returned in the transaction.
Type:	$$$

5.49 SwipeFee

Description:	Swipe fee charge by the merchant in the transaction.
Type:	$$$

5.50 Tax

Description:	Tax amount for this transaction.
Type:	$$$

5.51 TaxedAmount

Description:	Amount used as the basis of calculating the tax amount for this transaction. If the value is zero, then this field was not used.
Type:	$$$

5.52 Taxes

Description:	An XML-style string that contains details of the taxes for this transaction. Refer to the Comsgate spec for details. Returned in the response.
Type:	AN..1000

5.53 TaxExempt

Description:	Indicates if the transaction was tax exempt. Will be value "1" if it is. Returned in the response.
Type:	N

5.54 Tips

Description:	The amount of tips associated with the transaction.
Type:	$$$

5.55 TextQualifier

Description:	A decimal number that represents an ASCII character that will be used to enclose text fields in the response. Requests made with Channel Credentials do not use text qualifiers in the response.
Type:	N

5.56 TerminalId

Description:	Terminal Id. Returned in the response.
Type:	AN..4

5.57 TripMiles

Description:	The number of miles accumulated during the trip associated with this transaction.
Type:	N

5.58 TimeOn

Description:	The meter start time of the transaction returned in the response.
Type:	hh:mm:ss

5.59 TimeOff

Description:	The meter stop time of the transaction returned in the response.
Type:	hh:mm:ss

5.60 Tolls

Description:	Toll fees associated with the transacation.
Type:	$$$

5.61 TransactionId

Description:	The Id of the transaction. It is returned in the response.
Type:	N..9

5.62 TransactionType

Description:	The transaction type of the transaction. The values returned are as follows: 1 Sale 2 Void 3 Return 4 Force 5 Retry 6 Auth Only 7 ClearBatch 8 Auth Only Reversal 9 AvsOnly 10 Inquiry 11 Reversal 12 CloseBatch 13 IncrementalAuth 14 Full Reversal
Type:	N

5.63 TruncateCardNumber

Description:	Input Parameter that indicates if the Card Numbers returned should be

		truncated.
Type:		N..1

5.64 UserName

Description:	Channel User Name
Type:	

5.65 Version

Description:	Comsgate Version
Type:	AN..10

5.66 VersionNumber

Description:	The application version number of the application that ran the transaction. Returned in Response.
Type:	AN..10

5.67 ZipCode

Description:	Returned value is the zipcode used for Address Verification Service on the transaction.
Type:	N..9

6 CARD TYPES

Card Type Name	Card Type Id	Card Type
Visa	1	VI
MasterCard	2	MC
Amex	3	AX
Discover	4	DI
Diners Club	5	DC
JCB	6	JC