

# SAGE PAYMENT SOLUTIONS

## GATEWAY

**XMLVirtualCheckWebServices**

**08/2013**

sage

## **Overview - XML Web Services**

The Gateway is an ecommerce platform that provides a wide variety of ecommerce functionality. At a systems level, the gateway offers bankcard and virtual check processing.

In the area of bankcard processing, the Gateway supports ecommerce and retail certifications supporting AVS, CVV/CVV2, etc. In addition, several advanced options for managing fraud/risk are available for AVS and CVV.

For virtual check processing, the Gateway supports Prearranged Payment and Deposits (PPD), Cash Concentration or Disbursement (CCD), Accounts Receivable Collection (ARC), Telephone Initiated Entries (TEL), Returned/Dishonored Check (RCK), and Internet (WEB) transaction classes as defined by the National Automated Clearing House Association (NACHA).

For presentation, the primary interface for the Gateway is the Virtual Terminal. The Virtual Terminal provides a wide variety of functionality for the merchant including:

- Manual Bankcard Processing
- Manual Virtual Check Processing
- Recurring Transactions
- Batch Management
- Integrated Shopping Cart Configuration
- Reporting
- Advanced Configuration and User Management

Essentially, transactions are processed from a wide variety of sources, including API, XML Web Services, manual transactions from within the Virtual Terminal, recurring transactions scheduled within the Virtual Terminal, and consumer initiated transactions via the Virtual Terminal Shopping Cart.

All of these transactions are provided in the merchant's current batch and may be reviewed, batched, etc. via the Virtual Terminal.

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## Integration with XML Web Services

Since its initial release in 1998, the Gateway has offered an HTTPS public specification for interacting with the Gateway. This specification for both authorizations and response messages has gone through several revisions since inception.

In Fall 2002, XML Web Services were released which simplify the integration process for a variety of Gateway functionality. Specifically, XML Web Services address the following key areas:

- Transaction Processing for Bankcard and Virtual Check
- Batch Management for Bankcard and Virtual Check
- Reporting

The XML Web Services are accessed via a Secure Sockets Layer (SSL) interface and require a unique M\_id (Gateway Merchant ID) and M\_key (Gateway Merchant Key) pair for accessing the services.



## Virtual Check Transaction Processing

The Transaction Processing web service wraps the public specification for HTTPS post transactions as well as adding additional functionality not available from other implementation methods.

The formal WSDL service description for the Transaction Processing Service is located at:

[https://gateway.sagepayments.net/web\\_services/wsvtextensions/transaction\\_processing.asmx?WSDL](https://gateway.sagepayments.net/web_services/wsvtextensions/transaction_processing.asmx?WSDL)

Virtual Check Related Methods:

- VIRTUAL\_CHECK\_PPD\_SALE - performs a new SALE transaction for Personal Accounts.
- VIRTUAL\_CHECK\_CCD\_SALE - performs a new SALE transaction for Corporate Accounts.
- VIRTUAL\_CHECK\_WEB\_SALE - performs a new SALE transaction with authentication.
- VIRTUAL\_CHECK\_PPD\_CREDIT - performs a new CREDIT transaction on a pre-existing settled transaction for Personal Accounts.
- VIRTUAL\_CHECK\_CCD\_CREDIT - performs a new CREDIT transaction on a pre-existing settled transaction for Corporate Accounts.
- VIRTUAL\_CHECK\_VOID - removes an existing transaction from the current batch.

For a list of TRANSACTION\_PROCESSING operations go to:

[https://gateway.sagepayments.net/web\\_services/wsvtextensions/transaction\\_processing.asmx](https://gateway.sagepayments.net/web_services/wsvtextensions/transaction_processing.asmx)

For testing ONLY go to:

[https://gateway.sagepayments.net/web\\_services/vterm\\_extensions/transaction\\_processing.asmx](https://gateway.sagepayments.net/web_services/vterm_extensions/transaction_processing.asmx)

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- [VIRTUAL\\_CHECK\\_PPD\\_SALE](#) (For testing click [HERE](#))
- [VIRTUAL\\_CHECK\\_PPD\\_CREDIT](#) (For testing click [HERE](#))

Field Data Element	Required / Optional	Field Description	Parameters	Format and Examples
M_ID	Required	12 Digit Merchant Identification (Virtual Terminal ID) Number Required for Gateway Access	Numeric: 12 digits	999999999997
M_KEY	Required	12 Digit Merchant Key Required for Gateway Access	A/N: 12 Digits * <i>Letter number letter number format; case sensitive</i>	A1B2C3D4E5F6
C_ORIGINATOR_ID	Optional	10 Digit Originator ID – Assigned by Sage for each transaction class or business purpose. If not provided, the default Originator ID for the specific Customer Type will be applied.  An Originator is a numeric value used by the ACH network to identify the origin of a transaction.	Numeric: 10 Digit limit	000000000
C_NAME	Required	This field contains the customer's name for the transaction being processed.	Alpha: 50 character limit	John Doe
C_ADDRESS	Required	This field contains the customer's address for the transaction being processed. The Address is used in address verification requested transactions.	A/N: 50 Character limit	123 Main St.
C_CITY	Required	This field contains the customer's city for the transaction being processed.	A/N: 50 Character limit	Juneau
C_STATE	Required	This field contains the	Alpha: 50 character	AK

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		customer's state for the transaction being processed and can be either an abbreviation or the full name	limit	
C_ZIP	Required	This field contains the customer's zip/postal code for the transaction being processed. The zip/postal Code is used in address verification requested transactions.	Domestic: 5 or 9 Digit International: 50 A/N Limit minimum 3 characters	12345

C_COUNTRY	Optional	This field contains the customer's billing country code or description for the transaction being processed, if not provided US is assumed	A/N: 50 Character limit	United States, US, 840
C_EMAIL	Required	This field contains the customer's email address for the transaction being processed. If the email address is provided and the merchant has the email setting enabled inside the virtual terminal the customer will receive an email order confirmation with transaction details.	A/N: 50 Character limit with an @ symbol	test@test.com
C_RTE	Required	This field contains the bank Routing number for the transaction being processed.	Numeric: 9 Digit Limit	056008849
C_ACCT	Required	This field contains the Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes.	Numeric: 17 Digit limit <i>*There is no well-defined standard for the length of US bank account numbers. The NACHA standard file format defines the account number as up to 17 digits.</i>	12345678901234
C_ACCT_TYPE	Required	This field identifies which the Check Writer's bank account type.	Alpha: 3 Letters	<ul style="list-style-type: none"> <li>• DDA (Checking Account)</li> <li>• SAV (Savings Account)</li> </ul>
T_AMT	Required	This field contains the total amount for the transaction being processed. The amount should contain numbers only except in the case where the amount is not a whole number in which case a decimal point should be used.	Numeric: 1-6 Characters (not including the .00)	999999.00; 999999.0; 999999
T_SHIPPING	Optional	This field contains the shipping amount for the transaction being	Numeric: 1-6 Characters (not including the .00)	999999.00; 999999.0; 999999

		processed. The shipping amount should contain numbers only except in the case where the amount is not a whole number in which case a decimal point should be used.		
T_TAX	Optional	This field contains the tax amount for the transaction being processed. The tax amount should contain numbers only except in the case where the amount is not a whole number in which case a decimal point should be used.	Numeric: 1-6 Characters (not including the .00)	999999.00; 999999.0; 999999
T_ORDERNUM	Optional	This field contains the order number for the transaction being processed. The order number can be any alpha-numeric value, less than 50 in length, the merchant requires for transaction records. If an order number is not provided the system will generate a unique order number and assign it to the transaction. The order number is returned in the response generated by the host.	A/N: 1-50 Character limit	12345
C_TELEPHONE	Optional	This field contains the customer's telephone number for the transaction being processed.	Numeric: 50 digit Limit	123456789; 123-456-7890; 123.456.7890
C_FAX	Optional	This field contains the customer's fax number for the transaction being processed.	Numeric: 50 digit Limit	123456789; 123-456-7890; 123.456.7890
C_SHIP_NAME	Optional	This field contains the Ship To recipient's name. Recipient data is used for transaction records where a shipping address was supplied.	A/N: 50 Character limit	John Doe
C_SHIP_ADDRESS	Optional	This field contains the Ship To recipient's address. Recipient data is used for	A/N: 50 Character limit	123 Main St.



		transaction records where a shipping address was supplied.		
C_SHIP_CITY	Optional	This field contains the Ship To recipient's city. Recipient data is used for transaction records where a shipping address was supplied.	A/N: 50 Character limit	Juneau
C_SHIP_STATE	Optional	This field contains the Ship To recipient's state and can be either an abbreviation or the full name. Recipient data is used for transaction records where a shipping address was supplied.	A/N: 50 Character limit	AK
C_SHIP_ZIP	Optional	This field contains the Ship To recipient's zip code. Recipient data is used for transaction records where a shipping address was supplied.	Domestic: 5 or 9 Digit International: 50 A/N Limit minimum 3 characters	12345
C_SHIP_COUNTRY	Optional	This field contains the Ship To recipient's country code or description, if not provided US is assumed.	A/N: 50 Character limit	United States, US, 840
T_APPLICATION_ID	Optional in Test Mode. Required when in Production Mode.	The developer Application ID will be assigned by Sage. You will need to fill out an Application ID Request Form.	A/N: 27 Character ID <i>*generated after the integration has been certified.</i>	DEMO
T_DEVICE_ID	Optional	The device serial number / id.	A/N: 7 or more Characters.	B02A41H

- [VIRTUAL\\_CHECK\\_CCD\\_SALE](#) (For testing click [HERE](#))
- [VIRTUAL\\_CHECK\\_CCD\\_CREDIT](#) (For testing click [HERE](#))

Field Data Element	Required / Optional	Field Description	Parameters	Format and Examples
M_ID	Required	12 Digit Merchant Identification (Virtual Terminal ID) Number Required for Gateway Access	Numeric: 12 digits	999999999997
M_KEY	Required	12 Digit Merchant Key Required for Gateway Access	A/N: 12 Digits <i>*Letter number letter number format; case sensitive</i>	A1B2C3D4E5F6
C_ORIGINATOR_ID	Optional	10 Digit Originator ID – Assigned by Sage for each transaction class or business purpose. If not provided, the default Originator ID for the specific Customer Type will be applied.  An Originator is a numeric value used by the ACH network to identify the origin of a transaction.	Numeric: 10 Digit limit	000000000
C_EIN	Required	This field contains the Corporate or Commercial Business Federal Tax Number (EIN)	A/N: 50 Character limit	999999999
C_NAME	Required	This field contains the customer's name for the transaction being processed.	Alpha: 50 character limit	John Doe
C_ADDRESS	Required	This field contains the customer's address for the transaction being processed. The Address is used in address verification requested transactions.	A/N: 50 Character limit	123 Main St.
C_CITY	Required	This field contains the customer's city for the transaction being processed.	A/N: 50 Character limit	Juneau

C_STATE	Required	This field contains the customer's state for the transaction being processed and can be either an abbreviation or the full name	Alpha: 50 character limit	AK
C_ZIP	Required	This field contains the customer's zip/postal code for the transaction being processed. The zip/postal code is used in address verification requested transactions.	Domestic: 5 or 9 Digit International: 50 A/N Limit minimum 3 characters	12345
C_COUNTRY	Optional	This field contains the customer's billing country code or description for the transaction being processed, if not provided US is assumed	A/N: 50 Character limit	United States, US, 840
C_EMAIL	Required	This field contains the customer's email address for the transaction being processed. If the email address is provided and the merchant has the email setting enabled inside the virtual terminal the customer will receive an email order confirmation with transaction details.	A/N: 50 Character limit with an @ symbol	test@test.com
C_RTE	Required	This field contains the bank Routing number for the transaction being processed.	Numeric: 9 Digit Limit	056008849
C_ACCT	Required	This field contains the Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes.	Numeric: 17 Digit limit <i>*There is no well-defined standard for the length of US bank account numbers. The NACHA standard file format defines the account number as up to 17 digits.</i>	12345678901234

C_ACCT_TYPE	Required	This field identifies which the Check Writer's bank account type.	Alpha: 3 Letter limit	<ul style="list-style-type: none"> <li>• DDA (Checking Account)</li> <li>• SAV (Savings Account)</li> </ul>
T_AMT	Required	This field contains the total amount for the transaction being processed. The total amount should contain numbers only except in the case where the amount is not a whole number in which case a decimal point should be used.	Numeric: 1-6 Characters <i>(not including the .00)</i>	999999.00; 999999.0; 999999; 999999.20; 999999.2
T_SHIPPING	Optional	This field contains the shipping amount for the transaction being processed. The shipping amount should contain numbers only except in the case where the amount is not a whole number in which case a decimal point should be used.	Numeric: 1-6 Characters <i>(not including the .00)</i>	999999.00; 999999.0; 999999; 999999.20; 999999.2
T_TAX	Optional	This field contains the tax amount for the transaction being processed. The tax amount should contain numbers only except in the case where the amount is not a whole number in which case a decimal point should be used.	Numeric: 1-6 Characters <i>(not including the .00)</i>	999999.00; 999999.0; 999999; 999999.20; 999999.2
T_ORDERNUM	Optional	This field contains the order number for the transaction being processed. The order number can be any alpha-numeric value, less than 50 in length, the merchant requires for transaction records. If an order number is not provided the system will generate a unique order number and assign it to the transaction. The order number is returned in the response generated by	A/N: 1-50 Character limit	12345

		the host.		
C_TELEPHONE	Optional	This field contains the customer's telephone number for the transaction being processed.	Numeric: 50 digit Limit	123456789; 123-456-7890; 123.456.7890
C_FAX	Optional	This field contains the customer's fax number for the transaction being processed.	Numeric: 50 digit Limit	123456789; 123-456-7890; 123.456.7890
C_SHIP_NAME	Optional	This field contains the Ship To recipient's name. Recipient data is used for transaction records where a shipping address was supplied.	A/N: 50 Character limit	John Doe
C_SHIP_ADDRESS	Optional	This field contains the Ship To recipient's address. Recipient data is used for transaction records where a shipping address was supplied.	A/N: 50 Character limit	123 Main St.
C_SHIP_CITY	Optional	This field contains the Ship To recipient's city. Recipient data is used for transaction records where a shipping address was supplied.	A/N: 50 Character limit	Juneau
C_SHIP_STATE	Optional	This field contains the Ship To recipient's state and can be either an abbreviation or the full name. Recipient data is used for transaction records where a shipping address was supplied.	A/N: 50 Character limit	AK
C_SHIP_ZIP	Optional	This field contains the Ship To recipient's zip code. Recipient data is used for transaction records where a shipping address was supplied.	Domestic: 5 or 9 Digit International: 50 A/N Limit minimum 3 characters	12345
C_SHIP_COUNTRY	Optional	This field contains the Ship To recipient's country code or description, if not provided	A/N: 50 Character limit	United States, US, 840

		US is assumed.		
T_APPLICATION_ID	Optional in Test Mode. Required when in Production Mode.	The developer Application ID will be assigned by Sage. You will need to fill out an Application ID Request Form.	A/N: 27 Character ID <i>*generated after the integration has been certified.</i>	DEMO
T_DEVICE_ID	Optional	The device serial number / id.	A/N: 7 or more Characters.	B02A41H

- [VIRTUAL CHECK PPD SALE WITH AUTHENTICATION](#) (For testing click [HERE](#))

Field Data Element	Required / Optional	Field Description	Parameters	Format and Examples
M_ID	Required	12 Digit Merchant Identification (Virtual Terminal ID) Number Required for Gateway Access	Numeric: 12 digits	999999999997
M_KEY	Required	12 Digit Merchant Key Required for Gateway Access	A/N: 12 Digits <i>Letter number letter number format; case sensitive</i>	A1B2C3D4E5F6
C_ORIGINATOR_ID	Optional	10 Digit Originator ID – Assigned by Sage for each transaction class or business purpose. If not provided, the default Originator ID for the specific Customer Type will be applied.  An Originator is a numeric value used by the ACH network to identify the origin of a transaction.	Numeric: 10 Digits	000000000
C_NAME	Required	This field contains the customer's name for the transaction being processed.	Alpha: 50 character limit	John Doe
C_ADDRESS	Required	This field contains the customer's address for the transaction being processed. The Address is used in address verification requested transactions.	A/N: 50 Character limit	123 Main St.
C_CITY	Required	This field contains the customer's city for the transaction being processed.	A/N: 50 Character limit	Juneau
C_STATE	Required	This field contains the customer's state for the transaction being	Alpha: 50 character limit	AK

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		processed and can be either an abbreviation or the full name		
C_ZIP	Required	This field contains the customer's zip/postal code for the transaction being processed. The zip/postal Code is used in address verification requested transactions.	Domestic: 5 or 9 Digit International: 50 A/N Limit minimum 3 characters	12345



C_COUNTRY	Optional	This field contains the customer's billing country code or description for the transaction being processed, if not provided US is assumed	A/N: 50 Character limit	United States, US, 840
C_EMAIL	Required	This field contains the customer's email address for the transaction being processed. If the email address is provided and the merchant has the email setting enabled inside the virtual terminal the customer will receive an email order confirmation with transaction details.	A/N: 50 Character limit	test@test.com
C_RTE	Required	This field contains the bank Routing number for the transaction being processed.	Numeric: 9 Digit Limit	056008849
C_ACCT	Required	This field contains the Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes.	Numeric: 17 Digit limit <i>*There is no well-defined standard for the length of US bank account numbers. The NACHA standard file format defines the account number as up to 17 digits.</i>	12345678901234
C_ACCT_TYPE	Required	This field identifies which the Check Writer's bank account type.	Alpha: 3 Letter limit	<ul style="list-style-type: none"> <li>• DDA (Checking Account)</li> <li>• SAV (Savings Account)</li> </ul>
T_AMT	Required	This field contains the total amount for the transaction being processed. The amount should contain numbers only except in the case	Numeric: 1-6 Characters (not including the .00)	999999.00; 999999.0; 999999

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		where the amount is not a whole number in which case a decimal point should be used.		
T_SHIPPING	Optional	This field contains the shipping amount for the transaction being processed. The shipping amount should contain numbers only except in the case where the amount is not a whole number in which case a decimal point should be used.	Numeric: 1-6 Characters (not including the .00)	999999.00; 999999.0; 999999
T_TAX	Optional	This field contains the tax amount for the transaction being processed. The tax amount should contain numbers only except in the case where the amount is not a whole number in which case a decimal point should be used.	Numeric: 1-6 Characters (not including the .00)	999999.00; 999999.0; 999999
T_ORDERNUM	Optional	This field contains the order number for the transaction being processed. The order number can be any alpha-numeric value, less than 50 in length, the merchant requires for transaction records. If an order number is not provided the system will generate a unique order number and assign it to the transaction. The order number is returned in the response generated by the host.	A/N: 1-50 Character limit	12345
C_TELEPHONE	Optional	This field contains the customer's telephone number for the transaction being processed.	Numeric: 50 digit Limit	123456789; 123-456-7890; 123.456.7890



C_FAX	Optional	This field contains the customer's fax number for the transaction being processed.	Numeric: 50 digit Limit	123456789; 123-456-7890; 123.456.7890
C_SHIP_NAME	Optional	This field contains the Ship To recipient's name. Recipient data is used for transaction records where a shipping address was supplied.	A/N: 50 Character limit	John Doe
C_SHIP_ADDRESS	Optional	This field contains the Ship To recipient's address. Recipient data is used for transaction records where a shipping address was supplied.	A/N: 50 Character limit	123 Main St.
C_SHIP_CITY	Optional	This field contains the Ship To recipient's city. Recipient data is used for transaction records where a shipping address was supplied.	A/N: 50 Character limit	Juneau
C_SHIP_STATE	Optional	This field contains the Ship To recipient's state and can be either an abbreviation or the full name. Recipient data is used for transaction records where a shipping address was supplied.	A/N: 50 Character limit	AK
C_SHIP_ZIP	Optional	This field contains the Ship To recipient's zip code. Recipient data is used for transaction records where a shipping address was supplied.	Domestic: 5 or 9 Digit International: 50 A/N Limit minimum 3 characters	12345
C_SHIP_COUNTRY	Optional	This field contains the Ship To recipient's country code or description, if not provided US is assumed.	A/N: 50 Character limit	United States, US, 840
C_SSN	Required	This field contains the Check Writer Social Security Number (Numbers only, no dashes).	Numeric: 9 Digits	333224444
C_DL_STATE_CODE	Required	This field contains the	Alpha: 2	AK

		Check Writer Driver's License 2 Digit State Abbreviation	Letters	
C_DL_NUMBER	Required	This field contains the Check Writer Driver's License Number.	A/N: 13 Digit limit	A12345678
C_DOB	Required	This field contains the Check Writer Date of Birth.	Numeric: 8 Digits	Date of Birth: MM/DD/YYYY
T_APPLICATION_ID	Optional in Test Mode. Required when in Production Mode.	The developer Application ID will be assigned by Sage. You will need to fill out an Application ID Request Form.	A/N: 27 Character ID <i>*generated after the integration has been certified.</i>	DEMO
T_DEVICE_ID	Optional	The device serial number / id.	A/N: 7 or more Characters.	B02A41H

- [VIRTUAL CHECK WEB SALE](#) (For testing click [HERE](#))

Field Data Element	Required / Optional	Field Description	Parameters	Format and Examples
M_ID	Required	12 Digit Merchant Identification (Virtual Terminal ID) Number Required for Gateway Access	Numeric: 12 digits	999999999997
M_KEY	Required	12 Digit Merchant Key Required for Gateway Access	A/N: 12 Digits <i>Letter number letter number format; case sensitive</i>	A1B2C3D4E5F6
C_ORIGINATOR_ID	Optional	10 Digit Originator ID – Assigned by Sage for each transaction class or business purpose. If not provided, the default Originator ID for the specific Customer Type will be applied.  An Originator is a numeric value used by the ACH network to identify the origin of a transaction.	Numeric: 10 Digits	000000000
C_NAME	Required	This field contains the customer's name for the transaction being processed.	Alpha: 50 character limit	John Doe
C_ADDRESS	Required	This field contains the customer's address for the transaction being processed. The Address is used in address verification requested transactions.	A/N: 50 Character limit	123 Main St.
C_CITY	Required	This field contains the customer's city for the transaction being processed.	A/N: 50 Character limit	Juneau
C_STATE	Required	This field contains the customer's state for the transaction being processed and can be either an abbreviation or the full name	Alpha: 50 character limit	AK
C_ZIP	Required	This field contains the	Domestic: 5 or 9 Digit	12345

		customer's zip/postal code for the transaction being processed. The zip/postal Code is used in address verification requested transactions.	International: 50 A/N Limit minimum 3 characters	
C_COUNTRY	Optional	This field contains the customer's billing country code or description for the transaction being processed, if not provided US is assumed	A/N: 50 Character limit	United States, US, 840
C_EMAIL	Required	This field contains the customer's email address for the transaction being processed. If the email address is provided and the merchant has the email setting enabled inside the virtual terminal the customer will receive an email order confirmation with transaction details.	A/N: 50 Character limit	test@test.com
C_RTE	Required	This field contains the bank Routing number for the transaction being processed.	Numeric: 9 Digit Limit	056008849
C_ACCT	Required	This field contains the Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes.	Numeric: 17 Digit limit <i>*There is no well-defined standard for the length of US bank account numbers. The NACHA standard file format defines the account number as up to 17 digits.</i>	12345678901234
C_ACCT_TYPE	Required	This field identifies which the Check Writer's bank account type.	Alpha: 3 Letter limit	<ul style="list-style-type: none"> <li>• DDA (Checking Account)</li> <li>• SAV (Savings Account)</li> </ul>
T_AMT	Required	This field contains the total amount for the transaction being processed. The amount should contain	Numeric: 1-6 Characters <i>(not including the .00)</i>	999999.00; 999999.0; 999999



		numbers only except in the case where the amount is not a whole number in which case a decimal point should be used.		
T_SHIPPING	Optional	This field contains the shipping amount for the transaction being processed. The shipping amount should contain numbers only except in the case where the amount is not a whole number in which case a decimal point should be used.	Numeric: 1-6 Characters <i>(not including the .00)</i>	999999.00; 999999.0; 999999
T_TAX	Optional	This field contains the tax amount for the transaction being processed. The tax amount should contain numbers only except in the case where the amount is not a whole number in which case a decimal point should be used.	Numeric: 1-6 Characters <i>(not including the .00)</i>	999999.00; 999999.0; 999999
T_ORDERNUM	Optional	This field contains the order number for the transaction being processed. The order number can be any alpha-numeric value, less than 50 in length, the merchant requires for transaction records. If an order number is not provided the system will generate a unique order number and assign it to the transaction. The order number is returned in the response generated by the host.	A/N: 1-50 Character limit	12345
C_TELEPHONE	Optional	This field contains the customer's telephone number for the transaction being processed.	Numeric: 50 digit Limit	123456789; 123-456-7890; 123.456.7890
C_FAX	Optional	This field contains the customer's fax number for the transaction being processed.	Numeric: 50 digit Limit	123456789; 123-456-7890; 123.456.7890



C_SHIP_NAME	Optional	This field contains the Ship To recipient's name. Recipient data is used for transaction records where a shipping address was supplied.	A/N: 50 Character limit	John Doe
C_SHIP_ADDRESS	Optional	This field contains the Ship To recipient's address. Recipient data is used for transaction records where a shipping address was supplied.	A/N: 50 Character limit	123 Main St.
C_SHIP_CITY	Optional	This field contains the Ship To recipient's city. Recipient data is used for transaction records where a shipping address was supplied.	A/N: 50 Character limit	Juneau
C_SHIP_STATE	Optional	This field contains the Ship To recipient's state and can be either an abbreviation or the full name. Recipient data is used for transaction records where a shipping address was supplied.	A/N: 50 Character limit	AK
C_SHIP_ZIP	Optional	This field contains the Ship To recipient's zip code. Recipient data is used for transaction records where a shipping address was supplied.	Domestic: 5 or 9 Digit International: 50 A/N Limit minimum 3 characters	12345
C_SHIP_COUNTRY	Optional	This field contains the Ship To recipient's country code or description, if not provided US is assumed.	A/N: 50 Character limit	United States, US, 840
C_SSN	Required	This field contains the Check Writer Social Security Number (Numbers only, no dashes).	Numeric: 9 Digits	333224444
C_DL_STATE_CODE	Required	This field contains the Check Writer Driver's License 2 Digit State Abbreviation	Alpha: 2 Letters	AK
C_DL_NUMBER	Required	This field contains the Check Writer Driver's	A/N: 13 Digit limit	A12345678



		License Number.		
C_DOB	Required	This field contains the Check Writer Date of Birth.	Numeric: 8 Digits	Date of Birth: MM/DD/YYYY
T_APPLICATION_ID	Optional in Test Mode. Required when in Production Mode.	The developer Application ID will be assigned by Sage. You will need to fill out an Application ID Request Form.	A/N: 27 Character ID <i>*generated after the integration has been certified.</i>	DEMO
T_DEVICE_ID	Optional	The device serial number / id.	A/N: 7 or more Characters.	B02A41H

- [VIRTUAL\\_CHECK\\_VOID](#) (For testing click [HERE](#))

Field Data Element	Required / Optional	Field Description	Parameters	Format and Examples
M_ID	Required	12 Digit Merchant Identification (Virtual Terminal ID) Number Required for Gateway Access	Numeric: 12 digits	999999999997
M_KEY	Required	12 Digit Merchant Key Required for Gateway Access	A/N: 12 Digits <i>Letter number letter number format; case sensitive</i>	A1B2C3D4E5F6
T_REFERENCE	Required	This field contains the 10 character unique transaction reference assigned to a transaction run on the system. The Transaction Reference is used in Void or Credit transactions where the original transaction data is no longer known to the merchant.	A/N: 10 <i>*Maximum Characters</i>	CA3CGoHRP0
T_APPLICATION_ID	Optional in Test Mode. Required when in Production Mode.	The developer Application ID will be assigned by Sage. You will need to fill out an Application ID Request Form.	A/N: 27 Character ID <i>*generated after the integration has been certified.</i>	DEMO
T_DEVICE_ID	Optional	The device serial number / id.	A/N: 7 or more Characters.	B02A41H

The required data elements and fields for each method vary from method to method but are based on the HTTPS Documentation (See HTTPS Virtual Check Documentation)

All Transaction Processing Methods will return an XML document. The document will contain 1 record with fields defined as follows:

Approval Indicator	<ul style="list-style-type: none"><li>• A = Approved</li><li>• E=Front-End Error/Non Approved</li><li>• X = Gateway Error/Non Approved</li></ul>
Code	Accepted or Error Code
Message	Accepted or Error Message