SAGE PAYMENT SOLUTIONS

GATEWAY

XMLVirtualCheckWebServices 08/2013



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.

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

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/vterm_extensions/transaction_processing.asmx

- <u>VIRTUAL_CHECK_PPD_SALE</u> (For testing click <u>HERE</u>)
- <u>VIRTUAL_CHECK_PPD_CREDIT</u> (For testing click <u>HERE</u>)

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 *Letter number letter number format; case sensitive	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	00000000
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

		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 *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.	12345678901234
C_ACCT_TYPE	Required	This field identifies which the Check Writer's bank account type.	Alpha: 3 Letters	 DDA (Checking Account) SAV (Savings Account)
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

	1	proceed The chieving	T	
T_TAX	Optional	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. This field contains the tax amount for the transaction being processed. The tax amount should contain numbers only except in the	Numeric: 1-6 Characters (not including the .00)	999999.00; 999999.0; 999999
		case where the amount is not a whole number in which case a decimal point should be used.		
T_ORDERNUM	Optional	This field contains the order number for the transaction being processed. The order number can be any alphanumeric 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.

			T	1
		transaction records where a		
		shipping address was		
		supplied.		
C_SHIP_CITY	Optional	This field contains the Ship	A/N: 50 Character limit	Juneau
		To recipient's city.		
		Recipient data is used for		
		transaction records where a		
		shipping address was		
		supplied.		
C_SHIP_STATE	Optional	This field contains the Ship	A/N: 50 Character limit	AK
0_0/111 _0 // (12	Optional	To recipient's state and can	7 VII. 00 Character mine	7.00
		be either an abbreviation or		
		the full name. Recipient		
		data is used for transaction		
		records where a shipping		
		address was supplied.		
C_SHIP_ZIP	Optional	This field contains the Ship	Domestic: 5 or 9 Digit	12345
		To recipient's zip code.	International: 50 A/N	
		Recipient data is used for	Limit minimum 3	
		transaction records where a	characters	
		shipping address was		
		supplied.		
C_SHIP_COUNTRY	Optional	This field contains the Ship	A/N: 50 Character limit	United States,
		To recipient's country code		US, 840
		or description, if not		
		provided US is assumed.		
T_APPLICATION_ID	Optional in	The developer Application	A/N: 27 Character ID	DEMO
_ _	Test Mode.	ID will be assigned by	*generated after the	
	Required	Sage. You will need to fill	integration has been	
	when in	out an Application ID	certified.	
	_	Request Form.		
i i	Production			i
	Production Mode.	Troquost Form		
T_DEVICE_ID		The device serial number /	A/N: 7 or more	B02A41H

- <u>VIRTUAL_CHECK_CCD_SALE</u> (For testing click <u>HERE</u>)
- <u>VIRTUAL_CHECK_CCD_CREDIT</u> (For testing click <u>HERE</u>)

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	999999999999997
M_KEY	Required	12 Digit Merchant Key Required for Gateway Access	A/N: 12 Digits *Letter number letter number format; case sensitive	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	00000000
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 *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.	12345678901234

C_ACCT_TYPE	Required	This field identifies which the Check Writer's bank account type.	Alpha: 3 Letter limit	 DDA (Checking Account) SAV (Savings Account)
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 (not including the .00)	999999.00; 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 (not including the .00)	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 (not including the .00)	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 alphanumeric 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.	The developer Application ID will be assigned by Sage.	A/N: 27 Character ID	DEMO
	Required	You will need to fill out an	*generated	
	when in	Application ID Request Form.	after the	
	Production Mode.		integration has been certified.	
T DEVICE ID	Optional	The device serial number / id.	A/N: 7 or more	B02A41H
I_DEVICE_ID	Ориона	The device serial fluitiber / ld.	Characters.	DOZATIT

VIRTUAL_CHECK_PPD_SALE_WITH_AUTHENTICATION (For testing click <u>HERE</u>)

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	99999999997
M_KEY	Required	12 Digit Merchant Key Required for Gateway Access	A/N: 12 Digits Letter number letter number format; case sensitive	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	00000000
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

		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	A/N: 50	United States, US,
0_000111111	Optional	customer's billing country	Character	840
		code or description for	limit	
		the transaction being		
		processed, if not provided		
		US is assumed		
C EMAIL	Deguired	This field contains the	A/N: 50	toot@toot.com
C_EMAIL	Required			test@test.com
		customer's email address	Character	
		for the transaction being	limit	
		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.		
C_RTE	Required	This field contains the	Numeric: 9	056008849
		bank Routing number for	Digit Limit	
		the transaction being		
		processed.		
C_ACCT	Required	This field contains the	Numeric: 17	12345678901234
		Check Writer's Bank	Digit limit	
		Account Number. The	*There is no	
		Account number should	well-defined	
		contain numbers only	standard for	
		with no spaces or	the length of	
		dashes.	US bank	
		uasiles.	account	
			numbers.	
			The NACHA	
			standard file	
			format	
			defines the	
			account	
			number as up	
			to 17 digits.	
C_ACCT_TYPE	Required	This field identifies which	Alpha: 3	• DDA
		the Check Writer's bank	Letter limit	(Checking
		account type.		Account)
				SAV (Savings Associate)
TANAT	Dogwire -	This field contains the	Numaria: 4.0	Account)
T_AMT	Required	This field contains the	Numeric: 1-6	999999.00;
		total amount for the	Characters	999999.0; 999999
		transaction being	(not including	
		processed. The amount	the .00)	
		should contain numbers only except in the case		

	1	T	1	
		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 C_SHIP_NAME	Optional Optional	This field contains the customer's fax number for the transaction being processed. This field contains the	Numeric: 50 digit Limit	123456789; 123- 456-7890; 123.456.7890 John Doe
	Optional	Ship To recipient's name. Recipient data is used for transaction records where a shipping address was supplied.	Character limit	
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 Productio n 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 *generated after the integration has been certified.	DEMO
T_DEVICE_ID	Optional	The device serial number / id.	A/N: 7 or more Characters.	B02A41H

VIRTUAL_CHECK_WEB_SALE (For testing click <u>HERE</u>)

Field Data Element	Required /	Field Description	Parameters	Format and Examples
	Optional			·
M_ID	Required	12 Digit Merchant Identification (Virtual Terminal ID) Number Required for Gateway Access	Numeric: 12 digits	99999999997
M_KEY	Required	12 Digit Merchant Key Required for Gateway Access	A/N: 12 Digits Letter number letter number format; case sensitive	A1B2C3D4E5F 6
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	00000000
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 International: 50 A/N for the transaction being Limit minimum 3 processed. The zip/postal characters	
Code is used in address	
verification requested	
transactions.	
	tad Ctataa
	ted States,
	840
code or description for the	
transaction being	
processed, if not provided	
US is assumed	<u> </u>
	@test.com
customer's email address limit	
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.	
C_RTE Required This field contains the Numeric: 9 Digit Limit 056	008849
bank Routing number for	
the transaction being	
processed.	
C_ACCT Required This field contains the Numeric: 17 Digit 123	
1 = 1 = 1	4567890123
Check Writer's Bank limit 4	4567890123
	4567890123
Check Writer's Bank limit 4	4567890123
Check Writer's Bank limit 4 Account Number. The *There is no well-	4567890123
Check Writer's Bank Account Number. The Account number should Account number should Account defined standard for	4567890123
Check Writer's Bank Account Number. The Account number should contain numbers only with Iimit	4567890123
Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. Imit	4567890123
Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. Limit *There is no well- defined standard for the length of US bank account numbers. The NACHA standard	4567890123
Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. Limit *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.	4567890123
Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. C_ACCT_TYPE Check Writer's Bank Account Number. The *There is no well- defined standard for the length of US bank account numbers. The NACHA standard fille format defines the account number as up to 17 digits. C_ACCT_TYPE Required Check Writer's Bank Imit *There is no well- defined standard for the length of US bank account numbers. The NACHA standard fille format defines the account number as up to 17 digits.	DDA
Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. C_ACCT_TYPE Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. Iimit *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. C_ACCT_TYPE Required This field identifies which the Check Writer's bank	DDA (Checking
Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. C_ACCT_TYPE Required Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. Iimit *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. C_ACCT_TYPE Required This field identifies which the Check Writer's bank account type.	DDA (Checking Account)
Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. C_ACCT_TYPE Required Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. Iimit *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. Alpha: 3 Letter limit •	DDA (Checking Account) SAV
Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. C_ACCT_TYPE Required Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. Iimit *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. Alpha: 3 Letter limit • Alpha: 3 Letter limit	DDA (Checking Account) SAV (Savings
Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. C_ACCT_TYPE Required Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. Ilimit *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. Alpha: 3 Letter limit •	DDA (Checking Account) SAV (Savings Account)
Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. C_ACCT_TYPE Required T_AMT Check Writer's Bank Account Number. The Account number should contain number should contain numbers only with no spaces or dashes. Iimit *There is no well- defined standard for the length of US bank account numbers. The NACHA standard fille format defines the account number as up to 17 digits. Alpha: 3 Letter limit T_AMT Required This field contains the total Numeric: 1-6 9999	DDA (Checking Account) SAV (Savings Account)
Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. C_ACCT_TYPE Required Required T_AMT Required Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. Iimit *There is no well- defined standard for the length of US bank account numbers. The NACHA standard fille format defines the account number as up to 17 digits. Alpha: 3 Letter limit T_AMT Required This field contains the total amount for the transaction Numeric: 1-6 Characters (not 999:	DDA (Checking Account) SAV (Savings Account) 1999.00;
Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. C_ACCT_TYPE Required T_AMT Check Writer's Bank Account Number. The Account number should contain number should contain numbers only with no spaces or dashes. Iimit *There is no well- defined standard for the length of US bank account numbers. The NACHA standard fille format defines the account number as up to 17 digits. Alpha: 3 Letter limit T_AMT Required This field contains the total Numeric: 1-6 9999	DDA (Checking Account) SAV (Savings Account) 1999.00;

		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	Numeric: 1-6	999999.00;
1_0/111/11/10	Optional	shipping amount for the	Characters (not	999999.0;
		transaction being	including the .00)	999999
		processed. The shipping	morading the rooy	000000
		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	Numeric: 1-6	999999.00;
1_177	Optional	amount for the transaction	Characters (not	999999.0;
		being processed. The tax	including the .00)	999999
		amount should contain	molading the .00)	333333
		numbers only except in the		
		case where the amount is		
		not a whole number in		
		which case a decimal point		
		should be used.		
T_ORDERNUM	Optional	This field contains the	A/N: 1-50 Character	12345
I_OKDEKNOW	Ориона	order number for the	limit	12345
		transaction being	IIIIII	
		i ilansacion beind		
		_		
		processed. The order		
		processed. The order number can be any alpha-		
		processed. The order number can be any alpha- numeric value, less than		
		processed. The order number can be any alpha- numeric value, less than 50 in length, the merchant		
		processed. The order number can be any alpha- numeric value, less than 50 in length, the merchant requires for transaction		
		processed. The order number can be any alpha- numeric value, less than 50 in length, the merchant requires for transaction records. If an order		
		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		
		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		
		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		
		processed. The order number can be any alphanumeric 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.		
		processed. The order number can be any alphanumeric 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		
		processed. The order number can be any alphanumeric 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		
C TELEPHONE	Ontional	processed. The order number can be any alphanumeric 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.	Numeric: 50 digit	123456780
C_TELEPHONE	Optional	processed. The order number can be any alphanumeric 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. This field contains the	Numeric: 50 digit	123456789; 123-456-7890;
C_TELEPHONE	Optional	processed. The order number can be any alphanumeric 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. This field contains the customer's telephone	Numeric: 50 digit Limit	123-456-7890;
C_TELEPHONE	Optional	processed. The order number can be any alphanumeric 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. This field contains the customer's telephone number for the transaction	_	· ·
	·	processed. The order number can be any alphanumeric 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. This field contains the customer's telephone number for the transaction being processed.	Limit	123-456-7890; 123.456.7890
C_TELEPHONE C_FAX	Optional Optional	processed. The order number can be any alphanumeric 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. This field contains the customer's telephone number for the transaction being processed. This field contains the	Limit Numeric: 50 digit	123-456-7890; 123.456.7890 123456789;
	·	processed. The order number can be any alphanumeric 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. This field contains the customer's telephone number for the transaction being processed. This field contains the customer's fax number for	Limit	123-456-7890; 123.456.7890 123456789; 123-456-7890;
	·	processed. The order number can be any alphanumeric 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. This field contains the customer's telephone number for the transaction being processed. This field contains the	Limit Numeric: 50 digit	123-456-7890; 123.456.7890 123456789;

C_SHIP_NAME C_SHIP_ADDRESS	Optional Optional	This field contains the Ship To recipient's name. Recipient data is used for transaction records where a shipping address was supplied. This field contains the Ship To recipient's address. Recipient data is used for	A/N: 50 Character limit A/N: 50 Character limit	John Doe 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
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 Productio n 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 *generated after the integration has been certified.	DEMO
T_DEVICE_ID	Optional	The device serial number / id.	A/N: 7 or more Characters.	B02A41H

• <u>VIRTUAL_CHECK_VOID</u> (For testing click <u>HERE</u>)

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	99999999997
M_KEY	Required	12 Digit Merchant Key Required for Gateway Access	A/N: 12 Digits Letter number letter number format; case sensitive	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 *Maximum Characters	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 *generated after the integration has been certified.	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	A = Approved
	E=Front-End Error/Non Approved
	X = Gateway Error/Non Approved
Code	Accepted or Error Code
Message	Accepted or Error Message

XML VirtualCheck Web Services Specifications