SAGE PAYMENT SOLUTIONS

GATEWAY

XMLRecuringBankcardWebServices 05/2013



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.

Recurring

The design and purpose of the Recurring web service is to provide merchants the ability to manage recurring schedules, customers, payers, and transactions available within the Virtual Terminal User Interface.

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

https://gateway.sagepayments.net/web_services/wsvtextensions/recurring.asmx?WSDL

Recurring Related Definitions:

- CUSTOMER A recurring a recurring customer is an individual or business that will be making a recurring payment. A recurring customer can have one or more recurring payers that are used for processing the actual payments.
- PAYER A recurring payer is an individual that will be making a recurring payment on behalf of a recurring customer. A recurring customer is required before creating a recurring payer.
- SCHEDULE A recurring schedule is either a monthly or daily interval used to control when recurring transactions are processed.
- TRANSACTION A recurring transaction is a scheduled payment using a recurring schedule, recurring customer, and recurring payer.
- GROUP A recurring group is used to group recurring transactions when using reporting.

Recurring Related Methods:

- UPDATE_RECURRING_CUSTOMER Updates recurring customer information.
- CREATE_RECURRING_MONTHLY_SCHEDULE Creates a new recurring monthly schedule.
- UPDATE_RECURRING_BANKCARD_PAYER Updates recurring payer information.
- PAYER BANKCARD SALE Performs a new FORCE transaction.
- VIEW_RECURRING_CUSTOMER_LISTING Provides a listing of all recurring customers.
- VIEW RECURRING TRANSACTION DETAIL Provides recurring transaction

detail.

- GET_RECURRING_EXIRATION_REPORT Provides a listing of all active bankcard recurring payers with credit card accounts that are about to expire.
- CREATE_RECURRING_BANKCARD_PAYER_AND_TRANSACTION Creates a bankcard recurring payer and recurring transaction.
- VIEW_RECURRING_BANKCARD_PROCESSED Provides a listing of bankcard recurring transactions processed within a date range.
- VIEW_RECURRING_VIRTUALCHECK_PROCESSED provides a listing of virtual check recurring transactions processed within a date range.
- VIEW_RECURRING_PAYER_LISTING Provides a listing of all recurring payers.
- CREATE_RECURRING_DAILY_SCHEDULE Creates a new recurring daily schedule.
- CREATE_RECURRING_CUSTOMER Creates a new recurring customer.
- PAYER_BANKCARD_AUTHONLY performs a bankcard authorization only transaction using recurring payer information.
- CREATE_RECURRING_VIRTUALCHECK_PAYER creates a new virtual check recurring payer, a bank routing and account number is required.
- VIEW_BANKCARD_PROCESSED Provides a listing of bankcard transactions within a date range and having a specific order number.
- VIEW_RECURRING_SCHEDULE_LISTING Provides a listing of recurring schedules.
- SEARCH_RECURRING_DAILY_SCHEDULE Provides a listing of recurring daily schedules with a specific daily interval and non-business day values.
- VIEW_RECURRING_VIRTUALCHECK_PROCESSED provides a listing of virtual check recurring transactions processed within a date range.
- CREATE_RECURRING_TRANSACTION Creates a new recurring transaction based off a recurring schedule, customer, and payer.
- SET_RECURRING_START_DATE Updates the start date for ALL recurring

transactions that are based on a specific payer. The start date must reflect the Schedule (i.e., If the Schedule is set to run on the 1st of every month, the Start Date will need to start on the 1st of the month set for the payer).

- VIEW_RECURRING_TRANSACTION_LISTING Provides a listing of recurring transactions.
- VIEW_RECURRING_GROUP_LISTING Provides a listing of recurring groups.
- UPDATE_RECURRING_TRANSACTION Updates recurring transaction information.
- SEARCH_RECURRING_MONTHLY_SCHEDULE Provides a listing of recurring monthly schedules with a specific monthly interval, day of month, non-business day, and start offset values.
- VIEW_RECURRING_CUSTOMER_DETAIL Provides recurring customer information.
- CREATE_RECURRING_GROUP Creates a new recurring group.
- CREATE_RECURRING_BANKCARD_PAYER Creates a new virtual check recurring payer, a credit card number and expiration date is required.
- DELETE_VT_PAYER Deletes a payer record provided the payer has no existing bankcard or EFT history.

For a list of RECURRING operations go to:

https://gateway.sagepayments.net/web_services/wsvtextensions/recurring.asmx

For testing go to:

https://gateway.sagepayments.net/web_services/vterm_extensions/recurring.asmx

All Recurring Methods will return an XML document. The document varies from method to method depending on the nature of the information being requested. Developers should use the test harness available with the service description to examine the XML schema for the various methods.

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

Field Data Element	Required	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
GROUP_DESCRIPTION	Required	Group Description/Title *You need at least one Group in order to create Schedules.	A/N:	Monthly Gym Membership

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

Field Data Element	Required	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
SCHEDULE_DESCRIPTION	Required	Schedule description or title	A/N:	Monthly on the 1 st
MONTHLY_INTERVAL	Required	This field contains a numerical value indicating the interval for which the recurring schedule is run for the transaction being processed.	Numeric: 2 Digit limit	1=Monthly, 6=Every 6 months, 12=Yearly, etc
DAY_OF_MONTH	Required	This field is used to set the day of the month the recurring schedule will begin.	Numeric: 2 Digit limit	1=First of the month, 15=Fifteenth of the month, 31=Last day of the month, etc
NON_BUSINESS_DAYS	Required	This field contains a numerical value indicating whether the recurring schedule should be before, on, or after non business days for the transaction being processed.	Numeric: 1 Digit	0=After1=Before2=That Day
START_OFFSET	Required	Allows you to set the recurring starting month	Numeric: 2 Digits	"02" will run the recurring 2 months from the current date.

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

Field Data Element	Required	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
SCHEDULE_DESCRIPTION	Required	Schedule description or title	A/N:	
DAILY_INTERVAL	Required	This field contains a numerical value indicating the interval for which the recurring schedule is run for the transaction being processed.	Numeric: 3 Digit limit	1=Everyday, 7=Weekly, 14=Bi- Weekly, etc
START_DATE	Optional	This field contains the start date for the recurring transaction being added to the system. This field is optional and if omitted the current date will be used as the bases for calculating the start date.	Numeric: 6 Digits	MM/DD/YY, MM-DD-YY, or MMDDYY
NON_BUSINESS_DAYS	Required	This field contains a numerical value indicating whether the recurring schedule should be before, on, or after non business days for the transaction being processed.	Numeric: 1 Digit	0=After1=Before2=That Day

- <u>CREATE_RECURRING_CUSTOMER</u> (For testing click <u>HERE</u>) <u>Please Note</u>: This operation is required in order to create a RECURRING_PAYER.
- <u>UPDATE_RECURRING_CUSTOMER</u> (For testing click <u>HERE</u>)

Field Data Element	Required	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
CUSTOMER_TYPE	Required	This field contains a numerical value indicating whether the customer should be added to the recurring system.	Numeric: 1 Digit limit	• 0=No • 1=Yes
FIRST_NAME	Optional	This field contains the customer's first name for the transaction being processed.	Alpha: 50 character limit	John
LAST_NAME	Optional	This field contains the customer's last name for the transaction being processed.	Alpha: 50 character limit	Doe
ADDRESS	Optional	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.
CITY	Optional	This field contains the customer's city for the transaction being processed.	A/N: 50 Character limit	Juneau
STATE	Optional	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
ZIP	Optional	This field contains the customer's zip/postal	Domestic: 5 or 9 Digit	12345

		and for the	International 50	1
		code for the	International: 50	
		transaction being	A/N Limit	
		processed. The	minimum 3	
		zip/postal Code is	characters	
		used in address		
		verification requested		
		transactions.		
COUNTRY	Optional	This field contains the	A/N: 50	United States, US,
		customer's billing	Character limit	840
		country code or		
		description for the		
		transaction being		
		processed, if not		
		provided US is		
		assumed		
EMAIL_ADDRESS	Optional	This field contains the	A/N: 50	test@test.com
		customer's email	Character limit	
		address for the	with an @	
		transaction being	symbol	
		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.		
SHIPPING_RECIPIENT	Optional	This field contains the	A/N: 50	John Doe
		recipient's name for	Character limit	
		the transaction being		
		processed. Recipient		
		data is used for		
		transaction records		
		where a shipping		
		address was supplied.		
SHIPPING ADDRESS	Optional	This field contains the	A/N: 50	123 Main St.
CIMITING_ADDICESS	Optional	recipient's address for	Character limit	120 Maii Ot.
		the transaction being	Character minit	
		processed. Recipient		
		data is used for		
		transaction records		
		where a shipping		
CLUDDING OITY	Ontine	address was supplied.	A /NI, 50	lum a a
SHIPPING_CITY	Optional	This field contains the	A/N: 50	Juneau
		recipient's city for the	Character limit	
		transaction being		

		processed. Recipient		
		data is used for		
		transaction records		
		where a shipping		
		address was supplied.		
SHIPPING_STATE	Optional	This field contains the	A/N: 50	AK
		recipient's state for the	Character limit	
		transaction being		
		processed and can be		
		either an abbreviation		
		or the full name.		
		Recipient data is used		
		for transaction records		
		where a shipping		
SHIPPING ZIP	Ontional	address was supplied. This field contains the	Domostic: For O	12345
SHEFING_ZIP	Optional	recipient's zip code for	Domestic: 5 or 9 Digit	12343
		the transaction being	International: 50	
		processed. Recipient	A/N Limit	
		data is used for	minimum 3	
		transaction records	characters	
		where a shipping	Characters	
		address was supplied.		
SHIPPING_COUNTRY	Optional	This field contains the	A/N: 50	United States, US,
	Optional	recipient's country	Character limit	840
		code or description for	Character mine	
		the transaction being		
		processed, if not		
		provided US is		
		assumed.		
HOLD	Required	Leave that at "0". We	Numeric: 1 Digit	0
		don't use this variable		
		anymore.		
HOLD_MESSAGE	Optional	Leave it blank. We do	Numeric: 1 Digit	0
		not use this variable		
		anymore.		
REFERENCE	Optional	This field contains a	A/N: 1-50	12345
		third part reference for	Character limit	
		the recurring		
		transaction. If a		
		reference is not		
		provided the system		
II				
		will generate a unique		

- CREATE RECURRING BANKCARD PAYER AND TRANSACTION (For testing click HERE)
- <u>CREATE_RECURRING_VIRTUALCHECK_PAYER_AND_TRANSACTION</u> (For testing click <u>HERE</u>)

*For Virtual Check only

This operation will create a Payer and allow you to assign the Group and Schedule for the recurring transaction. Below are the additional Required/Optional fields.

<u>Please note</u>: A Recurring ID will be part of the XML response. The Recurring ID is a required value in order to use the UPDATE_RECURRING_TRANSACTION operation.

Field Data Element	Required	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
ACTIVE	Required	This field contains a numerical value indicating whether the transaction being processed should be added to the recurring system.	Numeric: 2 digit limit	01=Active 02=Inactive
CUSTOMER_ID	Required	A unique number that identifies the name of the Payer's business or the Payer.	Numeric: 7 Digits	Use CREATE_RECURRING_ CUSTOMER to generate a Customer ID. *The Customer ID is only needed to create a Recurring Record.
FIRST_NAME	Optional	This field contains the customer's first name for the transaction being processed.	Alpha: 50 character limit	John
LAST_NAME	Optional	This field contains the customer's last name for the transaction being processed.	Alpha: 50 character limit	Doe
ADDRESS	Optional	This field contains the customer's address for the transaction being processed. The Address is used in address verification	A/N: 50 Character limit	123 Main St.

		requested		
		transactions.		
CITY	Optional	This field contains the	A/N: 50	Juneau
0111	Optional	customer's city for the	Character limit	Julicau
		transaction being	Onaracter minit	
		processed.		
STATE	Ontional	This field contains the	Alpho, FO	AK
STATE	Optional		Alpha: 50	AK
		customer's state for	character limit	
		the transaction being		
		processed and can be		
		either an abbreviation		
		or the full name		
ZIP	Optional	This field contains the	Domestic: 5 or 9	12345
		customer's zip/postal	Digit	
		code for the	International: 50	
		transaction being	A/N Limit	
		processed. The	minimum 3	
		zip/postal Code is	characters	
		used in address		
		verification requested		
		transactions.		
COUNTRY	Optional	This field contains the	A/N: 50	United States, US, 840
		customer's billing	Character limit	
		country code or		
		description for the		
		transaction being		
		processed, if not		
		provided US is		
		assumed		
EMAIL_ADDRESS	Optional	This field contains the	A/N: 50	test@test.com
		customer's email	Character limit	
		address for the	with an @	
		transaction being	symbol	
		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.		
SHIPPING_RECIPIENT	Optional	This field contains the	A/N: 50	John Doe
SHIFFING_RECIFIENT	Optional		Character limit	JOHN DUE
		recipient's name for	Character IIIIII	
		the transaction being		
		processed. Recipient		
		data is used for		

		transaction records		
		where a shipping		
SHIPPING ADDRESS	Ontional	address was supplied. This field contains the	A/N: 50	123 Main St.
SHIPPING_ADDRESS	Optional			123 Main St.
		recipient's address for	Character limit	
		the transaction being		
		processed. Recipient		
		data is used for		
		transaction records		
		where a shipping		
		address was supplied.		
SHIPPING_CITY	Optional	This field contains the	A/N: 50	Juneau
		recipient's city for the	Character limit	
		transaction being		
		processed. Recipient		
		data is used for		
		transaction records		
		where a shipping		
		address was supplied.		
SHIPPING_STATE	Optional	This field contains the	A/N: 50	AK
_		recipient's state for the	Character limit	
		transaction being		
		processed and can be		
		either an abbreviation		
		or the full name.		
		Recipient data is used		
		for transaction records		
		where a shipping		
		address was supplied.		
SHIPPING_ZIP	Optional	This field contains the	Domestic	12345
SHIFFING_ZIF	Ориона	recipient's zip code for	Numeric: 5 or 9	12343
		the transaction being	Digit	
		processed. Recipient	International: 50	
		'		
		data is used for	A/N Limit	
		transaction records	minimum 3	
		where a shipping	characters	
OLUBBING COUNTRY	0.0	address was supplied.	A /N L 50	11.70 1000 110 010
SHIPPING_COUNTRY	Optional	This field contains the	A/N: 50	United States, US, 840
		recipient's country	Character limit	
		code or description for		
		the transaction being		
		processed, if not		
		provided US is		
		assumed.		
CARDNUMBER	Required	This field contains the	Numeric: 13-16	411111111111111
		card number for the	Digit limit	
		transaction being		
		processed. The card		
	1	1 -	1	ı

	1	I manuali an alice I de contre		
		number should contain		
		numbers only with no		
CARD EVD MONTH	Doguirod	spaces or dashes.	Numaria: 2 digita	NANA
CARD_EXP_MONTH	Required	This field contains the	Numeric: 2 digits	MM
		2 digit card expiration month for the recurring		
		transaction.		
CARD_EXP_YEAR	Required	This field contains the	Numeric: 2 digits	
OARD_EXT_TEAR	Required	2 digit card expiration	Numeric. 2 digits	YY
		year for the recurring		
		transaction.		
	\/irti		only	L
DTE		ual Check (ACH)		050000040
RTE	Required	This field contains the	Numeric: 9	056008849
		Check Writer's	Digits	
		Routing/Transit		
		Number (9 Digit). The		
		Routing number		
		should contain		
		numbers only with no		
		spaces or dashes.		
ACCOUNT	Required	This field contains the	Numeric: 17 Digit	12345678901234
		Check Writer's Bank	limit	
		Account Number. The	*There is no well-	
		Account number	defined standard for	
		should contain	the length of US	
		numbers only with no	bank account	
		spaces or dashes.	numbers. The NACHA standard file	
			format defines the	
			account number as	
ACCOUNT TYPE		This field identifies	up to 17 digits.	Donk Assourt Time:
ACCOUNT_TYPE	Required	This field identifies which the Check	Alpha: 3 Letters	Bank Account Type:
	Required	Willow the Chicon		DDA=Checking Assount
		Writer's bank account		Account
		type.		 SAV=Savings Account
GROUP_ID		This field contains a	Numeric: 5 Digit	Groups are created in
	Required	numerical value	limit	the Virtual Terminal
		indicating the recurring		under Recurring >
		group for which the		Groups.
		recurring transaction		
		will be associated		
		with. There must be at		
		least one recurring		
		group setup before a		
		recurring transaction		
		can be added to the		
		system.		
L	1	1 - V - · · -	L	1

SCHEDULE_ID	Required	This field contains a numerical value indicating the recurring schedule for which the recurring transaction will be associated with.	Numeric: 5 Digit limit	Schedules are created in the Virtual Terminal under Recurring > Schedules.
AMOUNT	Required	This field contains the amount for the recurring transaction being processed. The amount should contain numbers only	Numeric: 6 Character limit (not including the .00)	1328.00; 1328.0; 1328
T_CODE	Required	This field contains the transaction code for the transaction being processed. The transaction code should contain numbers only.	Numeric: 2 Digits	01=Sale02=Auth Only
TIMES_TO_PROCESS	Required	This field contains a numerical value indicating the number of times the recurring schedule should is to be run for the transaction being processed. *This only applies when the Recurring Process Indefinitely field is 0.	Numeric: 4 Digit limit	6=The recurring customer will become Inactive after the sixth recurring run.
INDEFINITE	Required	This field contains a numerical value indicating whether the recurring schedule should be process indefinitely for the transaction being processed.	Numeric: 1 Digit limit	0=Not Indefinite 1=Yes Indefinite.
REFERENCE	Optional	This field contains a third part reference for the recurring transaction. If a reference is not provided the system will generate a unique	A/N: 1-50 Character limit	12345

		one and assign it to		
		the recurring record.		
START_DATE	Optional	the recurring record. This field contains the start date for the recurring transaction being added to the system. For a monthly schedule this date is used to set the day of the month as well as the start date. This field is optional and if omitted the current date will be used as the bases for calculating the start	Numeric: 8 Digit limit	Recurring Start Date MM/DD/YYYY
		date.		

- <u>CREATE_RECURRING_BANKCARD_PAYER</u> (For testing click <u>HERE</u>)
- *CREATE_RECURRING_VIRTUALCHECK_PAYER (For testing click HERE)

*For Virtual Check only

This operation will <u>only</u> create a Payer ID#. You will need to build a separate operation (CREATE_RECURRING_TRANSACTION) in order to add the recurring payer to a Group and Schedule.

Field Data Element	Required	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
ACTIVE	Required	This field contains a numerical value indicating whether the transaction being processed should be added to the recurring system.	Numeric: 2 digit limit	01=Active 02=Inactive
CUSTOMER_ID	Required	A unique number that identifies the name of the Payer's business or the Payer.	Numeric: 7 Digits	Use CREATE RECURRING CUSTOMER to generate a Customer ID. *The Customer ID is only needed to create a Recurring Record.
FIRST_NAME	Optional	This field contains the customer's first name for the transaction being processed.	Alpha: 50 character limit	John
LAST_NAME	Optional	This field contains the customer's last name for the transaction being processed.	Alpha: 50 character limit	Doe
ADDRESS	Optional	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.

CITY	Optional	This field contains the customer's city for the transaction being processed.	A/N: 50 Character limit	Juneau
STATE	Optional	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
ZIP	Optional	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
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
EMAIL_ADDRESS	Optional	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
SHIPPING_RECIPIENT	Optional	This field contains the recipient's name for the transaction being processed. Recipient data is used for transaction records where a shipping	A/N: 50 Character limit	John Doe

		address was supplied.		
SHIPPING_ADDRESS	Optional	This field contains the	A/N: 50	123 Main St.
	·	recipient's address for	Character limit	
		the transaction being		
		processed. Recipient		
		data is used for		
		transaction records		
		where a shipping		
		address was supplied.		
SHIPPING_CITY	Optional	This field contains the	A/N: 50	Juneau
		recipient's city for the	Character limit	
		transaction being		
		processed. Recipient		
		data is used for		
		transaction records		
		where a shipping		
		address was supplied.		
SHIPPING_STATE	Optional	This field contains the	A/N: 50	AK
		recipient's state for the	Character limit	
		transaction being		
		processed and can be		
		either an abbreviation		
		or the full name.		
		Recipient data is used		
		for transaction records		
		where a shipping		
		address was supplied.		
SHIPPING_ZIP	Optional	This field contains the	Domestic: 5 or 9	12345
		recipient's zip code for	Digit	
		the transaction being	International: 50	
		processed. Recipient	A/N Limit	
		data is used for	minimum 3	
		transaction records	characters	
		where a shipping		
		address was supplied.		
SHIPPING_COUNTRY	Optional	This field contains the	A/N: 50	United States, US, 840
		recipient's country	Character limit	
		code or description for		
		the transaction being		
		processed, if not		
		provided US is		
		assumed.		
CARDNUMBER	Required	This field contains the	Numeric: 13-16	411111111111111
		card number for the	Digit limit	
		transaction being		
		processed. The card		
		number should contain		
		numbers only with no		

		spaces or dashes.		
CARD_EXP_MONTH	Required	This field contains the	Numeric: 2	MM
		2 digit card expiration	digits	
		month for the		
		recurring transaction.		
CARD_EXP_YEAR		This field contains the	Numeric: 2	YY
	Required	2 digit card expiration	digits	
		year for the recurring		
		transaction.		
	Virt	ual Check (ACH)	only	
RTE			Numeric: 9	056008849
	Required	This field contains the	Digits	
		Check Writer's		
		Routing/Transit Number (9 Digit). The		
		Routing number		
		should contain		
		numbers only with no		
		spaces or dashes.		
		*For		
		CREATE_RECURRING_		
		VIRTUALCHECK_PAYE		
		R_AND_TRANSACTION		
ACCULIT		operation only.	T1: 0:11	TI: (1.11 / 1.11
ACCOUNT	Required	This field contains the	This field contains the	This field contains the Check Writer's Bank
	rtoquirou	Check Writer's Bank	Check Writer's	Account Number. The
		Account Number. The	Bank Account	Account number should
		Account number	Number. The	contain numbers only
		should contain	Account number	with no spaces or
		numbers only with no	should contain	dashes.
		spaces or dashes.	numbers only	
		*For	with no spaces or dashes.	
		CREATE_RECURRING_	or dasiles.	
		VIRTUALCHECK_PAYE		
		R_AND_TRANSACTION		
ACCOUNT_TYPE		operation only. This field identifies	Alpha: 3 Letters	Bank Account Type:
ACCOUNT_TIFE	Required	which the Check	Aiplia. 3 Letters	DDA=Checking
	1. 2	Writer's bank account		Account
		type.		 SAV=Savings
		*For		Account
		CREATE RECURRING VI RTUALCHECK PAYER AN		
		<u>D_TRANSACTION</u>		
		operation only.		

• <u>CREATE RECURRING TRANSACTION</u> (For testing click <u>HERE</u>) *For Virtual Check only

identifies the name of the Payer's business or the Payer. PAYER_ID Required Required This field contains a unique number that identifies the name of the Payer. The Payer is the person paying with the credit card. The Customer and the Payer could be the same person if they are not affiliated with a business/government agency. GROUP_ID Required Required This field contains a unique number that identifies the name of the Payer. The Payer is the person paying with the credit card. The Customer and the Payer could be the same person if they are not affiliated with a business/government agency. GROUP_ID Required This field contains a numeric: 5 There must be at least one recurring group sett in the Virtual Terminal before a recurring before a recurring or contains a numerical value indicating the recurring group for	Field Data Element	Required	Field Description	Parameters	Format and Examples
Key Required for Gateway Access CUSTOMER_ID Required This field contains a unique number that identifies the name of the Payer. PAYER_ID Required This field contains a unique number that identifies the name of the Payer. The Customer ID is onlineeded to create a Recurring Record. PAYER_ID Required This field contains a unique number that identifies the name of the Payer. The Payer is the person paying with the credit card. The Customer and the Payer could be the same person if they are not affiliated with a business/government agency. GROUP_ID Required This field contains a numerical value indicating the recurring group for which the recurring transaction will be associated with. There must be at least one recurring group setup before a recurring transaction The Payer are not affiliated to the same person if they are not affiliated with a business/government agency. The Customer ID Use CREATE RECURRING PAYER AND I ANSACTION CREATE RECURRING PAYER AND I CREATE RECURRING	M_ID	Required	Identification (Virtual Terminal ID) Number Required for		99999999997
unique number that identifies the name of the Payer's business or the Payer. PAYER_ID Required This field contains a unique number that identifies the name of the Payer. The Payer is the person paying with the credit card. The Customer and the Payer could be the same person if they are not affiliated with a business/government agency. GROUP_ID Required This field contains a unique number that identifies the name of the Payer. The Payer is the person paying with the credit card. The Customer and the Payer could be the same person if they are not affiliated with a business/government agency. GROUP_ID Required This field contains a numerical value indicating the recurring group for which the recurring transaction will be associated with. There must be at least one recurring group setup before a recurring transaction are recurring transaction.	M_KEY	Required	Key Required for Gateway	Letter number letter number format; case	A1B2C3D4E5F6
unique number that identifies the name of the Payer. The Payer is the person paying with the credit card. The Customer and the Payer could be the same person if they are not affiliated with a business/government agency. GROUP_ID Required Required Required Required Required Required This field contains a numerical value indicating the recurring group for which the recurring transaction will be associated with. There must be at least one recurring group setup before a recurring transaction Unique number that identifies the name of the Payer. And NKCARD PAYER AND TANSACTION CREATE RECURRING WE RIUALCHECK PAYER to create a Payer ID Numeric: 5 Digit limit There must be at least one recurring transaction can be added to the system.	CUSTOMER_ID	Required	unique number that identifies the name of the Payer's business		CREATE RECURRING CU STOMER to create a Customer ID *The Customer ID is only needed to create a
numerical value indicating the recurring group for which the recurring transaction will be associated with. There must be at least one recurring group setup before a recurring transaction will be a recurring group setup before a recurring group setup before a recurring transaction	PAYER_ID	Required	unique number that identifies the name of the Payer. The Payer is the person paying with the credit card. The Customer and the Payer could be the same person if they are not affiliated with a business/government		CREATE RECURRING BA NKCARD PAYER AND TR ANSACTION CREATE RECURRING VI RTUALCHECK PAYER AN D TRANSACTION CREATE RECURRING BA NKCARD PAYER or CREATE RECURRING VI RTUALCHECK PAYER to
system. SCHEDULE_ID Required This field contains a Numeric: 5 Schedules are created in the contains a			This field contains a numerical value indicating the recurring group for which the recurring transaction will be associated with. There must be at least one recurring group setup before a recurring transaction can be added to the system.	Digit limit	one recurring group setup in the Virtual Terminal before a recurring transaction can be added

AMOUNT	Required	numerical value indicating the recurring schedule for which the recurring transaction will be associated with. This field contains the amount for the recurring transaction being processed. The amount should	Numeric: 6 Character limit (not including the .00)	the Virtual Terminal under Recurring > Schedules. 1328.00; 1328.0; 1328; 1328.20; 1328.2
T_CODE	Required	contain numbers only This field contains the	Numeric: 2	• 01=Sale
1_CODE	Kequired	transaction code for the transaction being processed. The transaction code should contain numbers only.	Digits	01=Sale02=Auth Only
TIMES_TO_PROCESS	Required	This field contains a numerical value indicating the number of times the recurring schedule should is to be run for the transaction being processed.	Numeric: 4 Digit limit	6=The recurring customer will become Inactive after the sixth recurring run.
		*This <u>only</u> applies when the Recurring Process Indefinitely field is 0.		
INDEFINITE	Required	This field contains a numerical value indicating whether the recurring schedule should be process indefinitely for the transaction being processed.	Numeric: 1 Digit limit	 0=Not Indefinite 1=Yes Indefinite
REFERENCE	Optional	This field contains a third part reference for the recurring transaction. If a reference is not provided the system	A/N: 1-50 Character limit	12345

ORIGINATOR_ID	*Required For Virtual Check updates only	will generate a unique one and assign it to the recurring record. 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
ORIGINATOR_TRAN_CLASS	*Required For Virtual Check updates only	This field contains a three-letter code that uniquely identifies the class of ACH transaction.	Alpha: 3 Letters	NACHA Transaction Class: CCD=Commercial, Merchant Initiated PPD=Personal, Merchant Initiated WEB=Internet, Consumer Initiated

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

Field Data Element	Required	Field Description	Parameter	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
RECURRING_ID	Required	A unique number that identifies the Payer's information and Recurring transaction.	Numeric: 7 Digits	You also need the Recurring ID to use the UPDATE_RECURRING _TRANSACTION operation. Please Note: There is no Web Service operation to query the Recurring ID. If the Recurring ID is lost you can update the recurring record directly in the Virtual Terminal.
CUSTOMER_ID	Required	A unique number that identifies the name of the Payer's business or the Payer.	Numeric: 7 Digits	1234567
PAYER_ID	Required	A unique number that identifies the Bankcard or Virtual Check Payer.	Numeric: 7 Digits	8901234
GROUP_ID	Required	This field contains a numerical value indicating the recurring group for which the recurring transaction will be associated with. There must be at least one recurring group setup before a recurring transaction can be	Numeric: 5 Digit limit	There must be at least one recurring group setup in the Virtual Terminal before a recurring transaction can be added to the system.

		added to the system.		
SCHEDULE_ID	Required	This field contains a numerical value indicating the recurring schedule for which the recurring transaction will be associated with.	Numeric: 5 Digit limit	Schedules are created in the Virtual Terminal under Recurring > Schedules.
ACTIVE	Required	This field contains a numerical value indicating whether the transaction being processed should be added to the recurring system.	Numeric: 2 digit limit	01=Active 02=Inactive
AMOUNT	Required	This field contains the amount for the recurring transaction being processed. The amount should contain numbers only	Numeric: 6 Character limit (not including the .00)	1328.00; 1328.0; 1328; 1328.20; 1328.2
T_CODE	Required	This field contains the transaction code for the transaction being processed. The transaction code should contain numbers only.	Numeric: 2 Digits	01=Sale02=Auth Only
TIMES_TO_PROCESS	Required	This field contains a numerical value indicating the number of times the recurring schedule should is to be run for the transaction being processed. *This only applies when the Recurring Process Indefinitely field is 0.	Numeric: 4 Digit limit	6=The recurring customer will become Inactive after the sixth recurring run.
INDEFINITE	Required	This field contains a numerical value indicating whether the recurring schedule should be process indefinitely for the	Numeric: 1 Digit limit	0=Not Indefinite 1=Yes Indefinite

		transaction being		
		processed.		
REFERENCE	Optional	This field contains a	A/N: 1-50	12345
REFERENCE	Ориона	third part reference for	Character	12343
		·	limit	
		the recurring	IIITIIT	
		transaction. If a		
		reference is not		
		provided the system		
		will generate a unique		
		one and assign it to		
		the recurring record.		
ORIGINATOR_ID	*Required	10 Digit Originator ID		
	For Virtual	 Assigned by Sage 		
	Check	for each transaction		
	updates	class or business		
	only	purpose. If not		
		provided, the default		
		Originator ID for the	Numeric:	000000000
		specific Customer	10 Digits	000000000
		Type will be applied.		
		An Originator is a		
		numeric value used by		
		the ACH network to		
		identify the origin of a		
		transaction.		
ORIGINATOR_TRAN_CLASS	*Required	This field contains a		NACHA Transaction
	For Virtual	three-letter code that		Class:
	Check	uniquely identifies the		
	updates	class of ACH		CCD=Commercial,
	only	transaction.		Merchant Initiated
	Offig	transaction.	Alpha: 3	
			Letters	PPD=Personal,
				Merchant Initiated
				WEB=Internet,
				Consumer Initiated

- <u>UPDATE_RECURRING_BANKCARD_PAYER</u> (For testing click <u>HERE</u>)
- *<u>UPDATE_RECURRING_VIRTUALCHECK_PAYER</u> (For testing click <u>HERE</u>)

*Virtual Check only variable(s)

Field Data Element	Required	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
PAYER_ID	Required	A unique number that identifies the Bankcard or Virtual Check Payer.	Numeric: 7 Digits	8901234
FIRST_NAME	Optional	This field contains the customer's first name for the transaction being processed.	Alpha: 50 character limit	John
LAST_NAME	Optional	This field contains the customer's last name for the transaction being processed.	Alpha: 50 character limit	Doe
ADDRESS	Optional	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.
CITY	Optional	This field contains the customer's city for the transaction being processed.	A/N: 50 Character limit	Juneau
STATE	Optional	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
ZIP	Optional	This field contains the customer's zip/postal code for the	Domestic: 5 or 9 Digit International: 50	12345

	1	I (A /N.L.L.L.L.L.L.L.L.L.L.L.L.L.L.L.L.L.L.L	Т
		transaction being	A/N Limit	
		processed. The	minimum 3	
		zip/postal Code is	characters	
		used in address		
		verification requested		
		transactions.		
COUNTRY	Optional	This field contains the	A/N: 50	United States, US,
		customer's billing	Character limit	840
		country code or		
		description for the		
		transaction being		
		processed, if not		
		provided US is		
		assumed		
EMAIL ADDDESS	Ontional	This field contains the	A/N: 50	test@test.com
EMAIL_ADDRESS	Optional	customer's email	Character limit	test@test.com
		address for the	with an @ symbol	
		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.		
SHIPPING_RECIPIENT	Optional	This field contains the	A/N: 50	John Doe
_		recipient's name for	Character limit	
		the transaction being		
		processed. Recipient		
		data is used for		
		transaction records		
		where a shipping		
		address was supplied.		
SHIPPING_ADDRESS	Optional	This field contains the	A/N: 50	123 Main St.
GITTE ING_ADDRESS	Optional		Character limit	123 IVIAIII St.
		recipient's address for	Character limit	
		the transaction being		
		processed. Recipient		
		data is used for		
		transaction records		
		where a shipping		
		address was supplied.		
SHIPPING_CITY	Optional	This field contains the	A/N: 50	Juneau
		recipient's city for the	Character limit	
		transaction being		
		processed. Recipient		
		1	1	

		T	T	
		data is used for		
		transaction records		
		where a shipping		
		address was supplied.		
SHIPPING_STATE	Optional	This field contains the	A/N: 50	AK
		recipient's state for the	Character limit	
		transaction being		
		processed and can be		
		either an abbreviation		
		or the full name.		
		Recipient data is used		
		for transaction records		
		where a shipping		
		address was supplied.		
SHIPPING ZIP	Optional	This field contains the	Domestic: 5 or 9	12345
SHIFFING_ZIF	Ориона			12343
		recipient's zip code for	Digit International: 50	
		the transaction being		
		processed. Recipient	A/N Limit	
		data is used for	minimum 3	
		transaction records	characters	
		where a shipping		
		address was supplied.		
SHIPPING_COUNTRY	Optional	This field contains the	A/N: 50	United States, US,
		recipient's country	Character limit	840
		code or description for		
		the transaction being		
		processed, if not		
		provided US is		
		assumed.		
CARDNUMBER	Required	This field contains the	Numeric: 13-16	4111111111111111
		card number for the	Digit limit	
		transaction being		
		processed. The card		
		number should contain		
		numbers only with no		
		spaces or dashes.		
CARD_EXP_MONTH	Required	This field contains the	Numeric: 2 digits	MM
CARD_EXF_MONTH	Required	2 digit card expiration	Numeric. 2 digits	IVIIVI
		month for the recurring		
OADD EVD VEAD	1	transaction.	N	107
CARD_EXP_YEAR	Damile 1	This field contains the	Numeric: 2 digits	YY
	Required	2 digit card expiration		
		year for the recurring		
		transaction.		
ACCOUNT_TYPE	Required			
7,0000111_11112	rvedanea			
7.0000111_1112	Required	This field identifies	Alpha: 3 Letters	Bank Account Type:
7.0000M_1112	Required	This field identifies which the Check Writer's bank account	Alpha: 3 Letters	Bank Account Type: • DDA=Checkin

		*For Virtual Check updates only.		g Account • SAV=Savings Account
ROUTING_NUMBER	Required	This field contains the Check Writer's Routing/Transit Number (9 Digit). The Routing number should contain numbers only with no spaces or dashes. *For Virtual Check updates only.		
ACCOUNT_NUMBER	Required	This field contains the Check Writer's Bank Account Number. The Account number should contain numbers only with no spaces or dashes. *For Virtual Check updates only.	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

• <u>SET RECURRING START DATE</u> (For testing click <u>HERE</u>)

Field Data Element	Required	Field Description	Parameters	Format and Examples
M_ID	Required	12 Digit Merchant	Numeric: 12	99999999997
		Identification (Virtual	digits	
		Terminal ID) Number		
		Required for Gateway		
		Access		
M_KEY	Required	12 Digit Merchant Key	A/N: 12 Digits	A1B2C3D4E5F6
		Required for Gateway	Letter number	
		Access	letter number	
			format; case	
			sensitive	
PAYER_ID	Required	A unique number that	Numeric: 7 Digits	8901234
		identifies the Bankcard		
		or Virtual Check		
		Payer.		
STARTDATE	Required	This field contains the	Numeric: 8 Digit	M-DD-YY, M/DD/YY,
		start date for the	limit	MM-DD-YYYY, or
		recurring transaction		MM/DD/YYYY
		being added to the		
		system. For a monthly		
		schedule this date is		
		used to set the day of		
		the month as well as		
		the start date. This		
		field is optional and if		
		omitted the current		
		date will be used as		
		the bases for		
		calculating the start		
		date.		

- <u>VIEW BANKCARD PROCESSED</u> (For testing click <u>HERE</u>)
- <u>VIEW_VIRTUALCHECK_PROCESSED</u> (For testing click <u>HERE</u>)

Field Data Element	Required	Field Description	Parameters	Format and Examples
M_ID	Required	12 Digit Merchant Identification (Virtual	Numeric: 12 digits	99999999997
		Terminal ID) Number		
		Required for Gateway		
		Access		
M_KEY	Required	12 Digit Merchant Key	A/N: 12 Digits	A1B2C3D4E5F6
		Required for Gateway	Letter number	
		Access	letter number	
			format; case	
			sensitive	
STARTDATE	Required	This field contains the	Numeric: 8 Digit	M-DD-YY, M/DD/YY,
		start date for the	limit	MM-DD-YYYY, or
		recurring		MM/DD/YYYY
		transaction(s)		
		processed (Approved		
		or Declined).		
ENDDATE	Required	This field contains the	Numeric: 8 Digit	M-DD-YY, M/DD/YY,
		end date for the	limit	MM-DD-YYYY, or
		recurring		MM/DD/YYYY
		transaction(s)		
		processed (Approved		
		or Declined).	A /h ! = 0	10015
ORDERNUMBER	Optional	This field contains the	A/N: 50	12345
		order number for the	Character limit	
		transaction processed		
		(Approved or		
		Declined).		

- <u>VIEW RECURRING BANKCARD PROCESSED</u> (For testing click <u>HERE</u>)
- <u>VIEW_RECURRING_VIRTUALCHECK_PROCESSED</u> (For testing click <u>HERE</u>)

Field Data Element	Required	Field Description	Parameters	Format and Examples
M_ID	Required	12 Digit Merchant Identification (Virtual Terminal ID) Number	Numeric: 12 digits	99999999997
		Required for Gateway Access		
M_KEY	Required	12 Digit Merchant Key Required for Gateway Access	A/N: 12 Digits Letter number letter number format; case sensitive	A1B2C3D4E5F6
STARTDATE	Required	This field contains the start date for the recurring transaction(s) processed (Approved or Declined).	Numeric: 8 Digit limit	M-DD-YY, M/DD/YY, MM-DD-YYYY, or MM/DD/YYYY
ENDDATE	Required	This field contains the end date for the recurring transaction(s) processed (Approved or Declined).	Numeric: 8 Digit limit	M-DD-YY, M/DD/YY, MM-DD-YYYY, or MM/DD/YYYY

• <u>VIEW RECURRING CUSTOMER DETAIL</u> (For testing click <u>HERE</u>)

Field Data Element	Required	Field Description	Parameters	Format and Examples
M_ID	Required	12 Digit Merchant	Numeric: 12	99999999997
		Identification (Virtual	digits	
		Terminal ID) Number		
		Required for Gateway		
		Access		
M_KEY	Required	12 Digit Merchant Key	A/N: 12 Digits	A1B2C3D4E5F6
		Required for Gateway	Letter number	
		Access	letter number	
			format; case	
			sensitive	
CUSTOMER_ID	Required	A unique number that	Numeric: 7 Digits	1234567
		identifies the name of		
		the Payer's business		
		or the Payer.		

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

Field Data Element	Required	Field Description	Parameters	Format and Examples
M_ID	Required	12 Digit Merchant	Numeric: 12	99999999997
		Identification (Virtual	digits	
		Terminal ID) Number		
		Required for Gateway		
		Access		
M_KEY	Required	12 Digit Merchant Key	A/N: 12 Digits	A1B2C3D4E5F6
		Required for Gateway	Letter number	
		Access	letter number	
			format; case	
			sensitive	

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

Field Data Element	Required	Field Description	Parameters	Format and Examples
M_ID	Required	12 Digit Merchant	Numeric: 12	99999999997
		Identification (Virtual	digits	
		Terminal ID) Number		
		Required for Gateway		
		Access		
M_KEY	Required	12 Digit Merchant Key	A/N: 12 Digits	A1B2C3D4E5F6
		Required for Gateway	Letter number	
		Access	letter number	
			format; case	
			sensitive	

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

Field Data Element	Required	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
CUSTOMER_ID	Required	A unique number that identifies the name of the Payer's business or the Payer.	Numeric: 7 Digits	1234567
PAYER_ID	Required	A unique number that identifies the Bankcard or Virtual Check Payer.	Numeric: 7 Digits	8901234

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

Field Data Element	Required	Field Description	Parameters	Format and Examples
M_ID	Required	12 Digit Merchant	Numeric: 12	99999999997
		Identification (Virtual	digits	
		Terminal ID) Number		
		Required for Gateway		
		Access		
M_KEY	Required	12 Digit Merchant Key	A/N: 12 Digits	A1B2C3D4E5F6
		Required for Gateway	Letter number	
		Access	letter number	
			format; case	
			sensitive	
CUSTOMER_ID	Required	A unique number that	Numeric: 7 Digits	1234567
		identifies the name of		
		the Payer's business		
		or the Payer.		

• <u>VIEW RECURRING SCHEDULE LISTING</u> (For testing click <u>HERE</u>)

Field Data Element	Required	Field Description	Parameters	Format and Examples
M_ID	Required	12 Digit Merchant	Numeric: 12	99999999997
		Identification (Virtual	digits	
		Terminal ID) Number		
		Required for Gateway		
		Access		
M_KEY	Required	12 Digit Merchant Key	A/N: 12 Digits	A1B2C3D4E5F6
		Required for Gateway	Letter number	
		Access	letter number	
			format; case	
			sensitive	

• <u>VIEW_RECURRING_TRANSACTION_DETAIL</u> (for testing click <u>HERE</u>)

Field Data Element	Required	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
RECURRING_ID	Required	A unique number that identifies the Payer's information and Recurring transaction.	Numeric: 7 Digits	You need the Recurring ID to use the UPDATE_RECURRING_ TRANSACTION operation. Please Note: There is no Web Service operation to query the Recurring ID. If the Recurring ID is lost you can update the recurring record directly in the Virtual Terminal.

• <u>VIEW RECURRING TRANSACTION LISTING</u> (For testing click <u>HERE</u>)

Field Data Element	Required	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
GROUP_ID	Required	This field contains a numerical value indicating the recurring group for which the recurring transaction is associated with.	Numeric: 5 Digit limit	45678
SCHEDULE_ID	Required	This field contains a numerical value indicating the recurring schedule for which the recurring transaction will be associated with.	Numeric: 5 Digit limit	Schedules are created in the Virtual Terminal under Recurring > Schedules.