




# COMSGATE<sup>®</sup>


## Specifications

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 <p><b>CHARGE</b> Anywhere® Empowering Payments®</p> <p>South Plainfield, NJ USA</p>	<b>STANDARD GUIDE</b>  <b>Information Technology</b> ComsGate® Specifications Guide	No. GUID-019
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## 1 INTRODUCTION

*ComsGate* is a credit card, debit, loyalty card and ACH processing system that supports different means of connectivity:

- Wireless Terminals, (Mobitex, Motient, GPRS, CDMA)
- Dial-up Terminal
- IP Terminals, WIFI Terminals

*ComsGate* is a gateway to credit card processors. At the time this document was written, *ComsGate* supports:

- Global Payments (Formerly NDC)
- First Data - Atlanta (Formerly Concord / Buypass)
- Chase Paymentech
- TSYS (Formerly Vital)
- FDMS-OMAHA
- NOVA
- FDMS-Nashville
- Merchant e-Solutions
- JetPay
- TPS
- Moneris USA
- Moneris Canada (Card Not Present Only)
- Heartland Payment Systems


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NOTE: More processors will be supported in the future.

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This document outlines how applications should format their request to process via ComsGate. These applications automatically benefit from a variety of supported processors as well as taking advantage of new processors that CHARGE Anywhere, LLC is certified with. Also, since *ComsGate* supports a variety of transport platforms, applications and application developers are not limited to using any specific protocol. CHARGE Anywhere, LLC has the necessary wireless, dial-up and IP gateways to support the needs of the applications.

ComsGate is a host-based system. No settlement requests are generated by the customer's Point-of-Sale (POS) system.


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## 2 SUPPORTED INDUSTRIES

- Retail
- Restaurant
- E-commerce
- Direct Marketing

## 3 SUPPORTED TRANSACTIONS

- **Credit Card**
  - Sale
  - Auth-Only
  - Auth-Only Completion
  - Force
  - Return
  - Reversal
  - Incremental Auth
  - Void Sale
  - Void Force
  - Void Return
  - Balance Inquiry
- **Debit Card**
  - Sale
  - Return
  - Reversal
- **Prepaid/GiftCard**
  - Charge
  - Refund
  - Balance Inquiry
  - Activate
  - Deactivate
  - AddValue
- Inquiry

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#### 4 SUPPORTED FEATURES

- AVS: Address Verification
- CVV: Card Verification
- Level 2 Support for Purchase Cards, Business Cards and Commercial Cards
- Level 3 Support for Purchase Cards, Business Cards, and Commercial Cards
- Partial Authorizations

#### 5 HOW TO CERTIFY


1. To apply for certification, send an e-mail to [cert.questions@chargeanywhere.com](mailto:cert.questions@chargeanywhere.com).
2. The reply email will include your merchant data and communication parameters. You will be given time slots to perform testing. When you have sufficiently tested your code you may apply for a Certification Approval. When your code complies with ComsGate Specifications you may take an attended test. Once you receive Certification Approval you will be able to perform live transactions.

#### 6 REQUEST FORMAT

The Transaction Request format is comprised of 5 elements:

1. Source Information: Required for all transactions
2. Card Information: Required for all transactions
3. Transaction Information.
4. Recurring Transaction Information: Sales Only
5. Original Transaction Information: Required for Force and Void
6. VERSION 2.5+ ONLY: Starting in version 2.5, the ability to send line items is supported.
7. VERSION 2.5+ ONLY: Starting in version 2.5, the ability to send tax details is supported
8. VERSION 2.5+ ONLY: Starting in version 2.5, the ability to send Billing Information is supported.
9. VERSION 2.5+ ONLY: Starting in version 2.5, the ability to send Shipping Information is supported.
10. VERSION 2.5+ ONLY: Starting in version 2.5, the ability to send Extended Transaction Info is supported.
11. VERSION 2.6+ ONLY: Starting in version 2.6, the ability to send EMV Transaction Info is supported.

ComsGate uses an XML format. If a piece of data is not applicable to the transaction performed, just omit it.

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NOTE 1: For information on how to Communicate with ComsGate® Test and Production environments, please see Appendix A

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NOTE 2: For Sample Code sending GET and POST requests to ComsGate® Test environment, please see Appendix B.


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NOTE 3: For Sample Transaction Logs of requests formatted using the XML based ComsGate® specifications for various Transaction Types, please see Appendix C.


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## 6.1 Credit / Debit Card Transaction Fields


Common fields for a basic credit / debit card transaction. For industry-specific fields, refer to section 6.7

Name	Description	XML Tag
<b>To</b>	{Empty}	<0>
<b>From</b>	{Empty}	<1>
<b>Message Type</b>	{Empty}	<2>
<b>Response Type</b>	0 = Response sent in XML Tag format 1= Response sent in Name Value Pair format	<4>
<b>AVS - Address</b>	The street address for Address Verification Services (Optional)	<H>
<b>AVS - ZipCode</b>	The Zip code for Address Verification Services (Optional)	<I>
<b>Amount of Sale</b>	The base amount of sale of the transaction	<T>
<b>Card Number</b>	Card Number if manually keyed	<F>
<b>Card Present</b>	Indicates if the card was present at the time of the transaction	<AI>
<b>Card Reader Type</b>	The Type of the Card Reader, Magnetic or Contactless	<BA>
<b>Cash Back</b>	Indicate any desired cash back from the transaction.	<AQ>
<b>Clerk Number</b>	Clerk Number for the transaction (Optional)	<K>
<b>Customer Number</b>	Customer Number for the transaction (Optional)	<J>
<b>CVV</b>	The card verification value. (Optional)	<AU>
<b>CVVI</b>	The indicator for the card verification value field. The valid values are below (Optional) .  0 = Want to Bypass 2 = Value Illegible 3 = Not On Card 4 = CVV Provided in CVV Field	<AT>
<b>Data Source</b>	Identifies how data was sent to ComsGate, via dial-up, internet, wireless	<AR>
<b>Date &amp; Time</b>	POS date and time when the transaction is performed	<B>
<b>Exp Date</b>	Expiration Date if Manually keyed	<G>
<b>Extras</b>	Any additional costs on the transaction.	<X>
<b>Full Name</b>	The full name of the customer. (Optional)	<E>
<b>Grand Total</b>	The total amount for the transaction including taxes	<Z>
<b>Identification</b>	Man#, LLI#...	<AP>
<b>Inquiry Flag</b>	Indicates if this transaction is only an inquiry.	<IF>
<b>Invoice Number</b>	Invoice Number for the transaction (Optional)	<M>
<b>Key Serial Number</b>	The Key Serial Number of the transaction. Used for Debit	<AO>

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	Card transactions only.	
<b>Merchant Id</b>	Merchant Id assigned by CHARGE Anywhere	<BB>
<b>Modifier</b>	A flag that changes the way transaction is handled. Global Payments Only	<AZ>
<b>Pin Block</b>	The Pin Block of the transaction. Used for Debit Card transactions only.	<AN>
<b>Purchase Code</b>	The Purchase Code for the transaction. Used only if purchase level is 2 or higher.	<AX>
<b>Purchase Level</b>	The purchase level of the transaction	<AW>
<b>Swipe Fee</b>	A fee added to the Total Amount for swiped transactions	<CK>
<b>Subtotal</b>	The total including the tax.	<V>
<b>Tax</b>	The tax amount on the transaction.	<U>
<b>Tax Exempt</b>	Indicates of a transaction is tax exempt: 1 = Tax Exempt 0 = Not Tax Exempt	<BJ>
<b>Terminal Id</b>	Terminal Id assigned by CHARGE Anywhere	<BC>
<b>Tips</b>	Any tips included with the transaction.	<W>
<b>Track1</b>	Full magnetic stripe read of Track1.	<D>
<b>Track2</b>	Full magnetic stripe read of Track2. Not needed if Track 1 Data exists.	<AJ>
<b>Transaction ID</b>	Uniquely Identifies the transaction at the POS	<A>
<b>Transaction Type</b>	Identifies the type of the transaction the merchant is to perform. Refer to Section 3.	<C>
<b>Original Amount</b>	The amount of the original transaction. Used for Void / Reversal / Force / Completion transactions.	<AH>
<b>Original Approval Code</b>	Indicates the Approval code of the original transaction. Used for Force / Completion transactions.	<AG>
<b>Original Gateway Reference Number</b>	Indicates the Gateway Reference Number of the original transaction. Used for Void / Reversal / Force / Completion transactions.	<CB>
<b>Original Transaction ID</b>	Indicates the Transaction Id of the original transaction. Used for Void / Reversal / Force / Completion transactions.	<AK>
<b>Original Transaction Type</b>	Indicates the transaction type of the original transaction. Used for Void / Reversal / Force / Completion transactions	<AL>
<b>Version</b>	2.6	<AS>




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## 6.2 ACH Transaction Fields

Common fields for an ACH Transaction.


Name	Description	XML Tag
<b>To</b>	“24”	<0>
<b>From</b>	“24”	<1>
<b>Message Type</b>	“2400”	<2>
<b>Response Type</b>	0 = Response sent in XML Tag format 1 = Response sent in Name Value Pair format	<4>
<b>Bank Account Type</b>	The Type of Bank Account. Valid values are as follows: 0 = Personal Savings 1 = Personal Checking 2 = Business Checking	 
<b>Bank Routing Number</b>	Routing number of the ACH Account	<BP>
<b>Check Number</b>	ACH Check Number	<BS>
<b>Customer Address</b>	Street Address of the customer	<H>
<b>Customer City</b>	City of the customer	<BL>
<b>Customer Name</b>	Name of the Customer or Company	<BK>
<b>Customer Phone</b>	Phone number of the customer	<BN>
<b>Customer State</b>	State of the customer	<BM>
<b>Customer Zip</b>	Zip Code of the customer	<I>
<b>Date &amp; Time</b>	POS date and time when the transaction is performed	<B>
<b>Data Source</b>	Identifies how data was sent to ComsGate, via dial-up, internet, wireless	<AR>
<b>Grand Total</b>	The total amount for the transaction including taxes	<Z>
<b>Identification</b>	Man#, LLI#...	<AP>
<b>Memo</b>	Memo line for the ACH Transaction	<BT>
<b>Merchant Id</b>	Merchant Id assigned by CHARGE Anywhere	<BB>
<b>Terminal Id</b>	Terminal Id assigned by CHARGE Anywhere	<BC>
<b>Transaction ID</b>	Uniquely Identifies the transaction at the POS	<A>
<b>Transaction Type</b>	Identifies the type of the transaction the merchant is to perform	<C>
<b>Version</b>	2.6	<AS>

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### 6.3 RESPONSE FIELDS

Fields returned in the response of a transaction.

Name	Description	XML Tag
<b>Approval Code</b>	The approval code for the transaction as returned by the processor.	<AF>
<b>AVS Response</b>	The AVS Result of the transaction. Only applies to Credit Card transactions with AVS Information.	<AE>
<b>Authorized Amount</b>	The amount that was approved on the transaction. Returned in 2.5 and greater.	<BZ>
<b>Card Type</b>	The Card Type of Card#. Returned in 2.6 and greater	<BX>
<b>CVV Response</b>	The CVV Result of the transaction. Only applies to Credit Card transactions with a CVV Information.	<AU>
<b>Gateway Reference Number</b>	The unique Gateway Reference Number. Use in Reversals and Voids. Returned in 2.4 and greater.	<BI>
<b>Processor Response Code</b>	The Response Code of the processor for the transaction	<AY>
<b>Recurring Response</b>	The Result that denotes whether the recurring transaction was scheduled successful or not. Returned in 2.3 and greater	<BH>
<b>Reference Number</b>	The reference number of the transaction.	<AS>
<b>Response Code</b>	The CHARGE Anywhere response code of the transaction.	<AC>
<b>Response Text</b>	The text corresponding to the response code.	<AD>
<b>Transaction Id</b>	The Unique Id of the transaction. This value echoes the values sent in the request	<A>

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## 6.4 REQUEST

This section describes all the elements contained in the request.

### 6.4.1 Source Information


Name	Description	XML Tag
<b>App Version Tag</b>	The version of the application	<CA>
<b>Data to Be Sent</b>	Envelope tag. All data elements are wrapped with this tag.	<AB>
<b>Date &amp; Time</b>	POS date and time when the transaction is performed	<B>
<b>Data Source</b>	Identifies how data was sent to ComsGate, via dial-up, internet, wireless	<AR>
<b>Identification</b>	Man#, LLI#...	<AP>
<b>Merchant Id</b>	Merchant Id assigned by CHARGE Anywhere	<BB>
<b>Terminal Id</b>	Terminal Id assigned by CHARGE Anywhere	<BC>
<b>Transaction ID</b>	Uniquely Identifies the transaction at the POS	<A>
<b>Transaction Type</b>	Identifies the type of the transaction the merchant is to perform	<C>
<b>Version</b>	2.6	<AS>

### 6.4.2 Card Information

Name	DESCRIPTION	XML TAG
<b>Card Input Method</b>	How the card was enter, manual, swipe, chip or NFC	<DD>
<b>Card Number</b>	Card Number if manually keyed	<F>
<b>Card Present</b>	Indicates if the card was present at the time of the transaction	<AI>
<b>Card Reader Type</b>	The Type of the Card Reader, Magnetic or Contactless	<BA>
<b>Exp Date</b>	Expiration Date if Manually keyed	<G>
<b>Track1</b>	Full magnetic stripe read of Track1	<D>
<b>Track2</b>	Full magnetic stripe read of Track2	<AJ>

### 6.4.3 Signature Image Information

Name	DESCRIPTION	XML TAG
<b>Image Format</b>	The format image is being sent, valid formats are .....	<EA>
<b>Image Data</b>	The signature image data.	<EB>
<b>Image Width</b>	The Width of the image.	<EC>
<b>Image Height</b>	The Height of the signature image.	<ED>


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#### 6.4.4 E2E Information

Name	DESCRIPTION	XML TAG
<b>E2E Mode</b>	Indicates E2E mode On or Off	<CD>
<b>E2E KSN</b>	Indicates E2E Key Serial Number	<CE>
<b>E2E Peripheral Serial Number</b>	Indicates E2E Peripheral Serial Number	<CF>
<b>E2E Scheme</b>	Indicates E2E Scheme used	<CG>
<b>E2E Tran Key Scheme</b>	Indicates E2E Transaction Key Scheme	<CH>
<b>E2E Algorithm</b>	Indicates encryption algorithm used for SRED encryption	<CI>

#### 6.4.5 Transaction Information

NAME	Description	XML Tag
<b>Address</b>	Billing Address, if Address Verification is performed	<H>
<b>Amount Of Sale</b>	Food + beverage, or a dollar amount for this transaction (taxable item)	<AF>
<b>Beverage</b>	For a restaurant the amount corresponding to the beverage (taxable item)	<S>
<b>Cab # / Table #</b>	Identifies a Location the transaction corresponds to	<L>
<b>Cash Back</b>	If Pin transaction, the cash back amount	<AQ>
<b>Clerk #/ Server ID</b>	Identifies the Clerk / Server that did the transaction	<K>
<b>Customer #</b>	Identifies the Customer of the merchant	<J>
<b>CVV</b>	Digits imprinted on the back of the card if Card Verification is Performed	<AU>
<b>CVVI</b>	Card Value Verification Indicator	<AT>
<b>Extras</b>	A dollar amount that represents additional monies (non- taxable item) Eg: The fee charged for extra passengers.	<X>
<b>Food</b>	For a restaurant the amount corresponding to the food (taxable item)	<R>
<b>Grand Total</b>	Sub Total + Tips + Extras + Tolls	<Z>
<b>Hook up</b>	A fee a towing company would charge (taxable item)	<Q>
<b>Invoice # / Receipt #</b>	Identifies the Invoice corresponding to the transaction	<M>
<b>KSN</b>	Key Serial Number used in the Pin Transaction	<AO>
<b>Pin Block</b>	Encrypted Pin Data	<AN>
<b>Purchase Level</b>	Numeric value that determines if we are using credit or purchase cards	<AW>
<b>Purchase Code</b>	Alphanumeric value that determines Customer supplied transaction code	<AX>
<b>Storage</b>	A fee for storing merchandise (taxable item) Eg: For Towing,	<AM>

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	the fee charged for storing a vehicle on the company's lot	
<b>Sub Total</b>	The sum of all dollar amounts above including Tax	<V>
<b>Tax</b>	The tax applied to the sum of all dollar amounts above (taxable item)	<U>
<b>Time On</b>	Time Transaction Began, for a taxi, it corresponds to beginning of fare	<N>
<b>Time Off</b>	Time Transaction ended, for a taxi, it corresponds to end of fare	<O>
<b>Tips</b>	Any gratuity given in this transaction (non- taxable item)	<W>
<b>Tolls</b>	For a taxi, the tolls that were used during the trip (non- taxable item)	<Y>
<b>Trip Miles</b>	For a taxi, the number of miles the trip took	<P>
<b>Zip Code</b>	5 or 9 Billing digit zip code if Address verification is performed	<I>

#### 6.4.6 Recurring Transaction Information

NAME	DESCRIPTION	XML Tag
<b>Is Recurring</b>	Identifies if this is a recurring transaction	<BD>
<b>Recurring Effective Date</b>	Identifies when the recurring transaction must be run for the first time	<BE>
<b>Recurring Frequency</b>	Identifies how often the recurring transaction must be run	<BF>
<b>Recurring Payments</b>	Identifies how many times the recurring transaction must be run	<BG>


#### 6.4.7 Original Transaction Information

NAME	DESCRIPTION	XML Tag
<b>Orig. Approval Code</b>	Approval Code returned in the response of the original transaction	<AG>
<b>Original Gateway Reference Number</b>	Indicates the Gateway Reference Number of the original transaction. Used for Void / Reversal / Force / Completion transactions.	<CB>
<b>Orig. Transaction ID</b>	Transaction ID of the original transaction	<AK>
<b>Orig. Trans. Type</b>	Transaction type of the original transaction	<AL>
<b>Orig. Grand Total</b>	Grand Total of the original transaction	<AH>

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#### 6.4.8 Line Item Information

NAME	Description	XML Tag
<b>Description</b>	Short text describing the item. Can be just the item name or a longer description.	<LD>
<b>Discount Amount</b>	The amount of a discount on the item, if any.	<LJ>
<b>Discount Rate</b>	The rate of discount on an item, if any.	<LK>
<b>Item Is Credit</b>	Indicates if this line item is credited to the transaction.	<LM>
<b>Item is Zero Cost</b>	Indicates if this line item has zero cost.	<LN>
<b>Item Commodity Code</b>	Tag containing the commodity Code of the item.	<LO>
<b>Internal Product Code</b>	The database product Code of the item.	<LP>
<b>Line Item</b>	Indicates a line item. The start and end tags should enclose all the line item details for this line item.	<LA>
<b>Line Items</b>	Indicates the presence of a list of line items. The start and end tags must enclose all the line items for the transaction.	<LB>
<b>Product Code</b>	The product code of the item.	<LC>
<b>Quantity</b>	The number of units purchased of a particular item.	<LE>
<b>Tax</b>	The tax on the item	<LG>
<b>Tax Detail</b>	Contains the details of taxes on the item. The start and end tags must enclose all the tax information. Refer to section 6.7 below.	<LI>
<b>Total Item Amount</b>	The total for the item calculated by Quantity * (Unit Cost) + Unit Tax – Discount	<LL>
<b>Unit Cost</b>	The cost of a single unit of the item.	<LF>
<b>Unit of Measure</b>	The units by which the item is sold.	<LH>

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#### 6.4.9 Tax Detail Information


NAME	Description	XML Tag
<b>Merchant Tax ID</b>	The Tax Identification Number for the merchant	<TF>
<b>Tax Family</b>	The family code for the tax. This is used only if the tax needs to be reported for Level 3 qualifications and changes for each processor.	<TC>
<b>Tax Amount</b>	The tax amount for this tax detail item.	<TE>
<b>Tax Base Amount</b>	The Amount used to calculate the tax.	<TI>
<b>Tax Custom1</b>	A custom field used to pass additional info about the tax.	<TJ>
<b>Tax Custom2</b>	A custom field used to pass additional info about the tax.	<TK>
<b>Tax Description</b>	A short description or name of the tax.	<TG>
<b>Tax Info</b>	Indicates the presence of a list of tax details. The start and end tags must enclose all the tax details for the transaction. For Line Items, this tag is replaced by the Tax Detail tag.	<TA>
<b>Tax Item</b>	Indicates a tax detail item. The start and end tags should enclose all the tax details for this line item.	<TB>
<b>Tax Rate</b>	The tax rate of this tax detail item.	<TD>
<b>Tax Type</b>	A short description or name of the tax.	<TH>

#### 6.4.10 Transaction Billing Information

NAME	Description	XML Tag
<b>Address</b>	The billing street address of the transaction.	<MD>
<b>City</b>	The billing city of the transaction.	<ME>
<b>Company Name</b>	The billing company name of the transaction.	<MC>
<b>Country</b>	The billing country of the transaction.	<MG>
<b>Email</b>	The billing email address of the transaction.	<MK>
<b>Fax number</b>	The billing fax number of the transaction.	<MJ>
<b>First Name</b>	The billing first name of the transaction.	<MA>
<b>Last Name</b>	The billing last name of the transaction.	<MB>
<b>Phone number</b>	The billing phone number of the transaction	<MI>
<b>State</b>	The billing state of the transaction.	<MF>
<b>Zip Code</b>	The billing zip code of the transaction.	<MH>

#### 6.4.11 Transaction ShippingTo Information

NAME	Description	XML Tag
<b>Address</b>	The ShippingTo street address of the transaction.	<MO>
<b>City</b>	The ShippingTo city of the transaction.	<MP>
<b>Company Name</b>	ShippingTo company name of the transaction.	<MN>
<b>Country</b>	The ShippingTo country of the transaction.	<MR>

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<b>Email</b>	The ShippingTo email address of the transaction.	<MV>
<b>Fax number</b>	The ShippingTo fax number of the transaction.	<MU>
<b>First Name</b>	ShippingTo first name of the transaction.	<ML>
<b>Last Name</b>	ShippingTo last name of the transaction.	<MM>
<b>Phone number</b>	The ShippingTo phone number of the transaction	<MT>
<b>State</b>	The ShippingTo state of the transaction.	<MQ>
<b>Zip Code</b>	The ShippingTo zip code of the transaction.	<MS>


#### 6.4.12 Transaction ShippingFrom Information

NAME	Description	XML Tag
<b>Address</b>	The ShippingFrom street address of the transaction.	<MZ>
<b>City</b>	The ShippingFrom city of the transaction.	<NA>
<b>Company Name</b>	The ShippingFrom company name of the transaction.	<MY>
<b>Country</b>	The ShippingFrom country of the transaction.	<NC>
<b>Email</b>	The ShippingFrom email address of the transaction.	<NG>
<b>Fax number</b>	The ShippingFrom fax number of the transaction.	<NF>
<b>First Name</b>	ShippingFrom first name of the transaction.	<MW>
<b>Last Name</b>	ShippingFrom last name of the transaction.	<MX>
<b>Phone number</b>	The ShippingFrom phone number of the transaction	<NE>
<b>State</b>	The ShippingFrom state of the transaction.	<NB>
<b>Zip Code</b>	The ShippingFrom zip code of the transaction.	<ND>

#### 6.4.13 Transaction Extended Information

NAME	Description	XML Tag
<b>Commodity Code</b>	The summary commodity code describing the types of goods sold.	<NQ>
<b>Customer VAT Number</b>	The Value Added Tax number of the customer. Applies only to areas that use Value Added Tax.	<NO>
<b>Discount Amount</b>	Any amount of discount associated with the transaction.	<NM>
<b>Discount Rate</b>	Indicates the Discount applied to the whole transaction.	<NS>
<b>Duty Amount</b>	The amount of duty associated with the transaction.	<NL>
<b>Ecommerce Indicator</b>	Indicates How the ecommerce transaction was processed.	<NU>
<b>Ecommerce Secure Code</b>	Visa or MasterCard Secure code.	<NT>
<b>Line Item Count</b>	The number of line items in this transaction.	<NN>
<b>Shipping Cost Amount</b>	Any shipping costs associated to the transaction.	<NH>
<b>Shipping Cost Rate</b>	Any shipping rates associated with the transaction.	<NI>




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<b>Shipping Tax Amount</b>	The amount of tax applied to the shipping cost.	<NJ>
<b>Shipping Tax Rate</b>	The rate of tax applied to the shipping cost.	<NK>
<b>Transaction Info Tag</b>	Indicates the presence of extended transaction information. All the previously mentioned transaction extended tags must be enclosed within the start and end tags.	<NR>
<b>Types of Good</b>	Indicates the Types of Good for this Transaction.	<NV>
<b>VAT Invoice Number</b>	The Value Added Tax Invoice number of the transaction. Applies only to areas that use Value Added Tax.	<NP>

## 7 RESPONSE FORMAT

This section describes all the elements contained in the response

NAME	Description	XML Tag
<b>Authorized Amount</b>	Amount that was authorized by processor. Will be different from Grand Total if Partial Auth is supported.	<BZ>
<b>Approval Code</b>	Authorization code returned by Acquirer	<AF>
<b>AVS Response</b>	The result of the Address Verification	<AE>
<b>Card Type</b>	Card Type of Credit Card.	<BX>
<b>CVV Response</b>	The Response of the Card Verification	<AV>
<b>Gateway Reference Number</b>	CHARGE Anywhere Unique Reference Number. This can be used in follow-up transactions such as Void, Reversal, and Forces.	<BI>
<b>Transaction ID</b>	From the Transaction Request	<A>
<b>Processor Response Code</b>	The code representation of the response returned, Processor Specific	<AY>
<b>Response Code</b>	The code representation of the response returned, CHARGE Anywhere Specific	<AC>
<b>Recurring Response</b>	The Result that denotes whether the recurring transaction was scheduled successful or not. Returned in 2.3 and greater	<BH>
<b>Response Text</b>	The Text representation of the response returned	<AD>

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## 8 DATA ELEMENT

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


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

### Variable Definitions

<b>a</b>	Alpha Characters Only
<b>n</b>	Numeric Characters Only
<b>an</b>	Alpha and Numeric characters
<b>x7</b>	Exactly 7 Characters of Type x where x = a, n, an
<b>x..7</b>	No More than 7 Characters of Type x where x = a, n, an
<b>x..3-7</b>	No Less than 3 and no more than 7 Characters of Type x where x = a, n, an
<b>MM</b>	Month
<b>DD</b>	Day
<b>YY</b>	Year
<b>hh</b>	Hour
<b>mm</b>	Minute
<b>ss</b>	Second
<b>\$</b>	Dollar Amount with explicit 2 decimal places
<b>R</b>	Required
<b>C</b>	Conditional
<b>O</b>	Optional

### 8.1 Address

<b>Description</b>	Billing Address if Address Verification is performed
<b>XML Tag</b>	<H>, </H>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	O. Can be used for Address Verification for Keyed Transactions
<b>Trans Appl.</b>	Credit Sale and Auth-Only

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## 8.2 Amount of Sale

<b>Description</b>	Food + beverage, or a dollar amount for this transaction (taxable item)
<b>XML Tag</b>	<T>, </T>
<b>Type</b>	an..16
<b>Format</b>	\$
<b>Statue</b>	R
<b>Trans Appl.</b>	Credit Sale, Auth-Only, Force, Void and Return

## 8.3 App Version

<b>Description</b>	The application version.
<b>XML Tag</b>	<CA>, </CA>
<b>Type</b>	Float
<b>Format</b>	O
<b>Statue</b>	All

## 8.4 Approval Code


<b>Description</b>	Authorization code returned by Acquirer. Retuned in Response
<b>XML Tag</b>	<AF>, </AF>
<b>Type</b>	an6
<b>Format</b>	
<b>Statue</b>	

## 8.5 Authorized Amount

<b>Description</b>	The amount that was authorized by the processor. Returned in a response to a transaction.
<b>XML Tag</b>	<BZ>, </BZ>
<b>Type</b>	Numeric
<b>Format</b>	\$
<b>Statue</b>	O.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

## 8.6 AVS Response

<b>Description</b>	Result of the Address Verification. Retuned In Response
<b>XML Tag</b>	<AE>, </AE>
<b>Type</b>	an1
<b>Format</b>	
<b>Statue</b>	

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### 8.7 Balance

<b>Description</b>	The balance remaining on the payment. Returned in the response.
<b>XML Tag</b>	<BW>, </BW>
<b>Type</b>	
<b>Format</b>	
<b>Statue</b>	O.
<b>Trans Appl.</b>	All

### 8.8 Bank Account Number

<b>Description</b>	The bank account number of the ACH Transaction
<b>XML Tag</b>	<BQ>, </BQ>
<b>Type</b>	N..50
<b>Format</b>	
<b>Statue</b>	R.
<b>Trans Appl.</b>	ACH Transactions

### 8.9 Bank Account Type


<b>Description</b>	The bank account type (personal savings, personal checking, or business checking) of the ACH Transaction
<b>XML Tag</b>	 , </BR>
<b>Type</b>	Numeric
<b>Format</b>	0 = personal savings, 1 = Personal Checking, 2 = Business Checking
<b>Statue</b>	R.
<b>Trans Appl.</b>	ACH Transactions

### 8.10 Bank Routing Number

<b>Description</b>	The bank routing number of the ACH Transaction
<b>XML Tag</b>	<BP>, </BP>
<b>Type</b>	N..50
<b>Format</b>	
<b>Statue</b>	R.
<b>Trans Appl.</b>	ACH Transactions

### 8.11 Beverage

<b>Description</b>	Restaurant: Amount corresponding to the beverage (taxable item)
<b>XML Tag</b>	<S>, </S>
<b>Type</b>	an16
<b>Format</b>	\$
<b>Statue</b>	O. For reporting purpose only. This value will be part of the Amount of sale

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### 8.12 Billing Address

<b>Description</b>	The street address of the Billing Information for this transaction.
<b>XML Tag</b>	<MD>, </MD>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.13 Billing City

<b>Description</b>	The city of the Billing Information for this transaction.
<b>XML Tag</b>	<ME>, </ME>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.14 Billing Company Name


<b>Description</b>	The company name of the Billing Information for this transaction.
<b>XML Tag</b>	<MC>, </MC>
<b>Type</b>	an..50
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.15 Billing Country

<b>Description</b>	The country of the Billing Information for this transaction.
<b>XML Tag</b>	<MG>, </MG>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only, Force

### 8.16 Billing Email

<b>Description</b>	The email of the Billing Information for this transaction.
<b>XML Tag</b>	<MK>, </MK>
<b>Type</b>	an..40
<b>Format</b>	
<b>Statue</b>	Optional.

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### 8.17 Billing Fax Number

<b>Description</b>	The fax number of the Billing Information for this transaction.
<b>XML Tag</b>	<MJ>, </MJ>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.18 Billing First Name

<b>Description</b>	The first name of the Billing Information for this transaction.
<b>XML Tag</b>	<MA>, </MA>
<b>Type</b>	an..15
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.19 Billing Last Name


<b>Description</b>	The last name of the Billing Information for this transaction.
<b>XML Tag</b>	<MB>, </MB>
<b>Type</b>	an..15
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.20 Billing Phone Number

<b>Description</b>	The phone number of the Billing Information for this transaction.
<b>XML Tag</b>	<MI>, </MI>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.21 Billing State

<b>Description</b>	The state of the Billing Information for this transaction.
<b>XML Tag</b>	<MF>, </MF>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	Optional.

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<b>Trans Appl.</b>	Credit Sale, Auth-Only
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### 8.22 Billing ZipCode

<b>Description</b>	The zip code of the Billing Information for this transaction.
<b>XML Tag</b>	<MH>, </MH>
<b>Type</b>	an..9
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.23 Cab # / Car# / Sedan# / Table # / Register #...

<b>Description</b>	Identifies a Location the transaction corresponds to
<b>XML Tag</b>	<L>, </L>
<b>Type</b>	an..10
<b>Format</b>	\$
<b>Statue</b>	O
<b>Trans Appl.</b>	Credit Sale, Auth-Only, Force, Void and Return

### 8.24 Card Input Method


<b>Description</b>	How the card data was entered
<b>XML Tag</b>	<DD>, </DD>
<b>Type</b>	n1
<b>Format</b>	Manual = 0, Swipe = 1, Contactless = 2, Chip = 3
<b>Statue</b>	R.
<b>Trans Appl.</b>	All. Only last 4 for Inquiry

### 8.25 Card Number

<b>Description</b>	Card Number used in the transaction
<b>XML Tag</b>	<F>, </F>
<b>Type</b>	n..13-19
<b>Format</b>	
<b>Statue</b>	C. Required for Keyed Transactions
<b>Trans Appl.</b>	All. Only last 4 for Inquiry

### 8.26 Card Present

<b>Description</b>	Indicates if the card was present at the time of the transaction
<b>XML Tag</b>	<AI>, </AI>
<b>Type</b>	n1
<b>Format</b>	0 = Card Not Present, 1 = Card Present
<b>Statue</b>	C. Required for Keyed Transactions

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<b>Trans Appl.</b>	All.
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### 8.27 Card Type

<b>Description</b>	Indicates the card type of the transaction.
<b>XML Tag</b>	<BX>, </BX >
<b>Type</b>	n1
<b>Format</b>	VISA, MCRD, AMEX, DISC, JCB
<b>Statue</b>	O
<b>Trans Appl.</b>	All.

### 8.28 Card Reader Type

<b>Description</b>	The Type of card reader used.
<b>XML Tag</b>	<BA>, </BA>
<b>Type</b>	n1
<b>Format</b>	0 = Magnetic, 1 = Contactless
<b>Statue</b>	C. Required for Contactless Devices
<b>Trans Appl.</b>	Sale, Auth-Only, Force, Return

### 8.29 Cash Back

<b>Description</b>	Cash Back amount of a Debit Transaction
<b>XML Tag</b>	<AQ>, </AQ>
<b>Type</b>	an..16
<b>Format</b>	\$
<b>Statue</b>	C. Required if Debit Transaction and Cash Back amount is applicable
<b>Trans Appl.</b>	Debit Sale


### 8.30 Check Number

<b>Description</b>	The check number (MICR) used for the ACH Transaction
<b>XML Tag</b>	<BS>, </BS>
<b>Type</b>	AN..265
<b>Format</b>	
<b>Statue</b>	R.
<b>Trans Appl.</b>	ACH Transactions

### 8.31 Clerk # / Driver # / Employee # / Bartender ID

<b>Description</b>	Identifies the Clerk /server / ... that did the transaction
<b>XML Tag</b>	<K>, </K>
<b>Type</b>	an..10
<b>Format</b>	
<b>Statue</b>	O. For Reporting Only



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<b>Trans Appl.</b>	All
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### 8.32 Card Verification Value Indicator (CVVI)

<b>Description</b>	Card Verification Value Indicator
<b>XML Tag</b>	<AT>, </AT>
<b>Type</b>	n1
<b>Format</b>	
<b>Statue</b>	O. Security Feature giving increased protection against fraud and helps the merchant qualify for better rates.
<b>Trans Appl.</b>	Credit Sale and Auth-Only

### 8.33 Card Verification value (CVV)


<b>Description</b>	3 or 4 digit value imprinted on the card or signature strip.
<b>XML Tag</b>	<AU>, </AU>
<b>Type</b>	a3-4
<b>Format</b>	
<b>Statue</b>	O. Can be used for Card Verification for Keyed Transactions
<b>Trans Appl.</b>	Credit Sale and Auth-Only

### 8.34 Commodity Code

<b>Description</b>	A commodity code summarizing the type of items purchased in this transaction.
<b>XML Tag</b>	<NQ>, </NQ>
<b>Type</b>	AN..3
<b>Format</b>	
<b>Statue</b>	Optional. Used for reporting purposes.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.35 Customer#

<b>Description</b>	Identifies a customer.
<b>XML Tag</b>	<J>, </J>
<b>Type</b>	an..50
<b>Format</b>	
<b>Statue</b>	O. help track customers and tie up with merchant's systems
<b>Trans Appl.</b>	All

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### 8.36 Customer Billing City

<b>Description</b>	The billing city for the customer.
<b>XML Tag</b>	<BL>, </BL>
<b>Type</b>	AN..50
<b>Format</b>	
<b>Statue</b>	R.
<b>Trans Appl.</b>	ACH Transactions

### 8.37 Customer Billing Email

<b>Description</b>	The billing email for the customer.
<b>XML Tag</b>	<BO>, </BO>
<b>Type</b>	AN..50
<b>Format</b>	
<b>Statue</b>	R.
<b>Trans Appl.</b>	ACH Transactions

### 8.38 Customer Billing Name


<b>Description</b>	The billing name for the customer.
<b>XML Tag</b>	<BK>, </BK>
<b>Type</b>	AN..50
<b>Format</b>	
<b>Statue</b>	R.
<b>Trans Appl.</b>	ACH Transactions

### 8.39 Customer Billing Phone

<b>Description</b>	The billing phone number for the customer.
<b>XML Tag</b>	<BN>, </BN>
<b>Type</b>	AN..10
<b>Format</b>	
<b>Statue</b>	R.
<b>Trans Appl.</b>	ACH Transactions

### 8.40 Customer Billing State

<b>Description</b>	The billing state for the customer.
<b>XML Tag</b>	<BM>, </BM>
<b>Type</b>	AN..50
<b>Format</b>	
<b>Statue</b>	R.
<b>Trans Appl.</b>	ACH Transactions

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#### 8.41 Customer First Name

<b>Description</b>	The first name of the customer on ACH Transactions
<b>XML Tag</b>	<BU>, </BU>
<b>Type</b>	AN..25
<b>Format</b>	
<b>Statue</b>	R.
<b>Trans Appl.</b>	ACH Transactions

#### 8.42 Customer Last Name

<b>Description</b>	The last name of the customer on ACH Transactions.
<b>XML Tag</b>	<BV>, </BV>
<b>Type</b>	AN..25
<b>Format</b>	
<b>Statue</b>	R.
<b>Trans Appl.</b>	ACH Transactions

#### 8.43 Customer VAT Number


<b>Description</b>	For value added taxes, indicates the VAT number of the customer.
<b>XML Tag</b>	<NP>, </NP>
<b>Type</b>	AN..40
<b>Format</b>	
<b>Statue</b>	Optional. Used only for tracking for Value Added Tax.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

#### 8.44 CVV Response

<b>Description</b>	Result of Card Verification Returned in the response
<b>XML Tag</b>	<AV>, </AV>
<b>Type</b>	an1
<b>Format</b>	
<b>Statue</b>	

#### 8.45 Data Source

<b>Description</b>	Identifies how data was sent to ComsGate, via dial-up, internet, wireless
<b>XML Tag</b>	<AR>, </AR>
<b>Type</b>	n1-5
<b>Format</b>	
<b>Statue</b>	R
<b>Trans Appl.</b>	All

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#### 8.46 Data to Be Sent

<b>Description</b>	Marks the beginning and end of transmitted data.
<b>XML Tag</b>	<AB>, </AB>
<b>Type</b>	
<b>Format</b>	
<b>Statue</b>	
<b>Trans Appl.</b>	All

#### 8.47 Date & Time

<b>Description</b>	POS date and time when the transaction is performed
<b>XML Tag</b>	<B>, </B>
<b>Type</b>	an17
<b>Format</b>	MM/DD/YY hh:mm:ss
<b>Statue</b>	R
<b>Trans Appl.</b>	All

#### 8.48 Discount Amount


<b>Description</b>	Indicates any discount amounts associated with the transaction.
<b>XML Tag</b>	<NM>, </NM>
<b>Type</b>	Numeric
<b>Format</b>	\$
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only, Force

#### 8.49 Duty Amount

<b>Description</b>	Indicates any duty amounts associated with the transaction.
<b>XML Tag</b>	<NL>, </NL>
<b>Type</b>	Numeric
<b>Format</b>	\$
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only, Force

#### 8.50 E2E Algorithm

<b>Description</b>	Indicates encryption algorithm used for SRED encryption
<b>XML Tag</b>	<CI>, </CI>
<b>Type</b>	AN1
<b>Format</b>	0 = 3DES_ECB, 1 = 3DES_CBC, 2 = AES128_ECB, 3 = AES128_CBC, 4 = AES256_ECB, 5 = AES256_CBC
<b>Statue</b>	Conditional
<b>Trans Appl.</b>	SRED Transactions

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### 8.51 E2E Mode

<b>Description</b>	Indicates E2E mode On or Off
<b>XML Tag</b>	<CD>, </CD>
<b>Type</b>	N1
<b>Format</b>	0 = Card Data Not Encrypted, 1 = Card Data Encrypted, 2= Card Data Encrypted pass through mode
<b>Statue</b>	Conditional.
<b>Trans Appl.</b>	Swiped Credit Transactions

### 8.52 E2E KSN

<b>Description</b>	Indicates E2E Key Serial Number
<b>XML Tag</b>	<CE>, </CE>
<b>Type</b>	AN20
<b>Format</b>	
<b>Statue</b>	Conditional
<b>Trans Appl.</b>	SRED Transactions

### 8.53 E2E Scheme


<b>Description</b>	Indicates E2E Scheme used
<b>XML Tag</b>	<CG>, </CG>
<b>Type</b>	N1
<b>Format</b>	0=DUKPT
<b>Statue</b>	Conditional
<b>Trans Appl.</b>	SRED Transactions

### 8.54 E2E Transaction Key Scheme

<b>Description</b>	Indicates E2E Transaction Key Scheme
<b>XML Tag</b>	<CH>, </CH>
<b>Type</b>	N1
<b>Format</b>	0 = PIN Variant, 1 = Data Key Variant
<b>Statue</b>	Conditional
<b>Trans Appl.</b>	SRED Transactions

### 8.55 EDC Type

<b>Description</b>	Indicates Credit or Debit
<b>XML Tag</b>	<BY>, </BY>
<b>Type</b>	n1
<b>Format</b>	VISA, MCRD, AMEX, DISC, JCB
<b>Statue</b>	O
<b>Trans Appl.</b>	All.

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### 8.56 Exp Date

<b>Description</b>	Expiration Date of Card used in the transaction
<b>XML Tag</b>	<G>, </G>
<b>Type</b>	n4
<b>Format</b>	MMYY
<b>Statue</b>	C. Required for Keyed Transactions
<b>Trans Appl.</b>	All

### 8.57 Extended Transaction Info


<b>Description</b>	Encloses the extended transaction information fields, including shipping and billing information.
<b>XML Tag</b>	<NR>, </NR>
<b>Type</b>	AN
<b>Format</b>	
<b>Statue</b>	Required if any Extended Transaction Info fields are included in the transaction, including shipping and billing for credit card transactions.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.58 Extras

<b>Description</b>	Additional monies used in transaction (non- taxable item). Eg For Taxi: the fee charged for extra passengers.
<b>XML Tag</b>	<X>, </X>
<b>Type</b>	an..16
<b>Format</b>	\$
<b>Statue</b>	O. For Reporting Only
<b>Trans Appl.</b>	Credit Sale

### 8.59 EMV Data

<b>Description</b>	EMV Request and Response
<b>XML Tag</b>	<DE>, </DE>
<b>Type</b>	an..255
<b>Format</b>	
<b>Statue</b>	C.
<b>Trans Appl.</b>	EMV Transactions

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### 8.60 EMV Fallback Indicator

<b>Description</b>	Flag that indicates that the Chip Reader requested fallback mode
<b>XML Tag</b>	<DF>, </DF>
<b>Type</b>	N1
<b>Format</b>	
<b>Statue</b>	C.
<b>Trans Appl.</b>	EMV Fallback Transactions

### 8.61 Food

<b>Description</b>	Restaurant the amount corresponding to the food (taxable item)
<b>XML Tag</b>	<R>, </R>
<b>Type</b>	an..16
<b>Format</b>	\$
<b>Statue</b>	O. For Reporting Only
<b>Trans Appl.</b>	Credit Sale

### 8.62 From


<b>Description</b>	Indicates the source of the request. For Credit Card Transactions, the field can be blank.
<b>XML Tag</b>	<0>, </0>
<b>Type</b>	Numeric
<b>Format</b>	8 = GiftCardServer, 24 = ACHServer, 25 = CashServer
<b>Statue</b>	Required
<b>Trans Appl.</b>	All

### 8.63 Grand Total

<b>Description</b>	Sum of all amounts taxable and non-taxable
<b>XML Tag</b>	<Z>, </Z>
<b>Type</b>	an..16
<b>Format</b>	\$
<b>Statue</b>	R
<b>Trans Appl.</b>	All

### 8.64 Hook up

<b>Description</b>	A fee a towing company would charge (taxable item)
<b>XML Tag</b>	<Q>, </Q>
<b>Type</b>	an..16
<b>Format</b>	\$

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<b>Statue</b>	O. For Reporting Only
<b>Trans Appl.</b>	Credit Sale

### 8.65 Identification

<b>Description</b>	The unique Identification of the device. Varies per Device Type
<b>XML Tag</b>	<AP>, </AP>
<b>Type</b>	an..50
<b>Format</b>	
<b>Statue</b>	R
<b>Trans Appl.</b>	All

### 8.66 Image Format

<b>Description</b>	The format the signature is saved as.
<b>XML Tag</b>	<EA>, </EA>
<b>Type</b>	
<b>Format</b>	
<b>Statue</b>	
<b>Trans Appl.</b>	All

### 8.67 Image Data

<b>Description</b>	The data for the signature.
<b>XML Tag</b>	<EB>, </EB>
<b>Type</b>	
<b>Format</b>	
<b>Statue</b>	
<b>Trans Appl.</b>	All


### 8.68 Image Width

<b>Description</b>	The width of the signature.
<b>XML Tag</b>	<EC>, </EC>
<b>Type</b>	
<b>Format</b>	
<b>Statue</b>	
<b>Trans Appl.</b>	All

### 8.69 Image Height

<b>Description</b>	The height of the signature.
<b>XML Tag</b>	<ED>, </ED>
<b>Type</b>	
<b>Format</b>	



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<b>Statue</b>	
<b>Trans Appl.</b>	All

### 8.70 Inquiry Flag

<b>Description</b>	Indicates if this transaction is only an inquiry.
<b>XML Tag</b>	<IF>, </IF>
<b>Type</b>	AN
<b>Format</b>	Should be "V" if it is an inquiry.
<b>Statue</b>	O
<b>Trans Appl.</b>	All

### 8.71 Invoice # / Receipt #


<b>Description</b>	Identifies the Invoice corresponding to the transaction
<b>XML Tag</b>	<M>, </M>
<b>Type</b>	an..50
<b>Format</b>	
<b>Statue</b>	O. For Reporting and Qualifications
<b>Trans Appl.</b>	All

### 8.72 Is Recurring

<b>Description</b>	Identifies if this is a recurring transaction
<b>XML Tag</b>	<BD>, </BD>
<b>Type</b>	n1
<b>Format</b>	
<b>Statue</b>	C. Recurring Transactions
<b>Trans Appl.</b>	Credit Sale

### 8.73 KSN

<b>Description</b>	Key Serial Number used in the Pin Debit Transaction
<b>XML Tag</b>	<AO>, </AO>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	C. Required for Debit Transactions
<b>Trans Appl.</b>	Debit transactions

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#### 8.74 Latitude

<b>Description</b>	Indicates the longitudinal coordinate of the geographic location where the transaction was made.
<b>XML Tag</b>	<BV>, </BV>
<b>Type</b>	Float
<b>Format</b>	
<b>Statue</b>	O
<b>Trans Appl.</b>	Credit Card Transactions

#### 8.75 Line Items

<b>Description</b>	Indicates the presence of a list of line Items. Encloses the entire list of Line Items and details.
<b>XML Tag</b>	<LA>, </LA>
<b>Type</b>	AN
<b>Format</b>	
<b>Statue</b>	Required for Level 3 Qualification.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

#### 8.76 Line Item


<b>Description</b>	Encloses the details of a single line item within the line item list.
<b>XML Tag</b>	<LB>, </LB>
<b>Type</b>	AN
<b>Format</b>	
<b>Statue</b>	Required for each Line Item for Level 3 Qualification.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

#### 8.77 Line Item Commodity Code

<b>Description</b>	Encloses a commodity code for the line item.
<b>XML Tag</b>	<LO>, </LO>
<b>Type</b>	AN..25
<b>Format</b>	
<b>Statue</b>	Required for each Line Item for Level 3 Qualification.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

#### 8.78 Line Item Count

<b>Description</b>	Indicates the number of line items on the order
<b>XML Tag</b>	<NN>, </NN>
<b>Type</b>	Numeric
<b>Format</b>	

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<b>Statue</b>	Required for Level 3 Qualification
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.79 Line Item Description

<b>Description</b>	Encloses a short description or name of a Line Item.
<b>XML Tag</b>	<LD>, </LD>
<b>Type</b>	AN..70
<b>Format</b>	
<b>Statue</b>	Required for each Line Item for Level 3 Qualification.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.80 Line Item Discount Amount

<b>Description</b>	Encloses an amount that is discounted for the line item.
<b>XML Tag</b>	<LJ>, </LJ>
<b>Type</b>	Numeric
<b>Format</b>	\$
<b>Statue</b>	Required for each Line Item for Level 3 Qualification. Can be \$0.00
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.81 Line Item Discount Rate


<b>Description</b>	Encloses a discount rate for the line item.
<b>XML Tag</b>	<LK>, </LK>
<b>Type</b>	Numeric
<b>Format</b>	%
<b>Statue</b>	Required for each Line Item for Level 3 Qualification. Can be 0.00%
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.82 Line Item IsCredit

<b>Description</b>	Indicates if the line item should be treated as credit.
<b>XML Tag</b>	<LM>, </LM>
<b>Type</b>	Numeric
<b>Format</b>	1 = True, 0 = False
<b>Statue</b>	Required for each Line Item for Level 3 Qualification.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.83 Line Item IsZeroCost

<b>Description</b>	Indicates if the line item has no cost associated with it.
<b>XML Tag</b>	<LN>, </LN>
<b>Type</b>	Numeric
<b>Format</b>	1 = True, 0 = False

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<b>Statue</b>	Required for each Line Item for Level 3 Qualification.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

#### 8.84 Line Item Product Code

<b>Description</b>	Encloses the product code of a line item.
<b>XML Tag</b>	<LC>, </LC>
<b>Type</b>	AN..25
<b>Format</b>	
<b>Statue</b>	Required for each Line Item for Level 3 Qualification.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

#### 8.85 Line Item Quantity

<b>Description</b>	Encloses the quantity purchased of the item
<b>XML Tag</b>	<LE>, </LE>
<b>Type</b>	Numeric with 4 decimal places.
<b>Format</b>	
<b>Statue</b>	Required for each Line Item for Level 3 Qualification.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

#### 8.86 Line Item Tax Detail


<b>Description</b>	Encloses the Tax Details of a line item.
<b>XML Tag</b>	<LI>, </LI>
<b>Type</b>	AN..1000
<b>Format</b>	
<b>Statue</b>	Required for each Line Item for Level 3 Qualification. Can be blank if there are no item-level taxes. Refer to the Tax Detail fields.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

#### 8.87 Line Item Total Amount

<b>Description</b>	Encloses the total amount for this line item.
<b>XML Tag</b>	<LL>, </LL>
<b>Type</b>	Numeric
<b>Format</b>	\$
<b>Statue</b>	Required for each Line Item for Level 3 Qualification.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

#### 8.88 Line Item Unit Cost

<b>Description</b>	Encloses the cost for one unit of the item.
<b>XML Tag</b>	<LF>, </LF>
<b>Type</b>	Numeric

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<b>Format</b>	\$
<b>Statue</b>	Required for each Line Item for Level 3 Qualification.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

#### 8.89 Line Item Unit Of Measure

<b>Description</b>	Encloses the unit of measure for the line item.
<b>XML Tag</b>	<LH>, </LH>
<b>Type</b>	AN..25
<b>Format</b>	
<b>Statue</b>	Required for each Line Item for Level 3 Qualification.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

#### 8.90 Line Item Tax Amount


<b>Description</b>	Encloses the tax amount for one line item.
<b>XML Tag</b>	<LG>, </LG>
<b>Type</b>	Numeric
<b>Format</b>	\$
<b>Statue</b>	Required for each Line Item for Level 3 Qualification.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

#### 8.91 Longitude

<b>Description</b>	Indicates the longitudinal coordinate of the geographic location where the transaction was made.
<b>XML Tag</b>	<BU>, </BU>
<b>Type</b>	Float
<b>Format</b>	
<b>Statue</b>	O
<b>Trans Appl.</b>	Credit Card Transactions

#### 8.92 Memo

<b>Description</b>	The memo line used for the ACH Transaction
<b>XML Tag</b>	<BT>, </BT>
<b>Type</b>	AN
<b>Format</b>	
<b>Statue</b>	R.
<b>Trans Appl.</b>	ACH Transactions

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### 8.93 MerchantId

<b>Description</b>	Merchant ID of the merchant. Unique per merchant. Issued By CHARGE Anywhere
<b>XML Tag</b>	<BB>, </BB>
<b>Type</b>	a64
<b>Format</b>	
<b>Statue</b>	R
<b>Trans Appl.</b>	All

### 8.94 Modifier


<b>Description</b>	A flag that changes the way transaction is handled. Global Payments Only
<b>XML Tag</b>	<AZ>, </AZ>
<b>Type</b>	n1
<b>Format</b>	0 = No Special Treatment, 1 = Override, 5 = No Dup Check
<b>Statue</b>	C. Required for Debit Transactions
<b>Trans Appl.</b>	Credit Sale, Return and Force (Global Payments Only)

### 8.95 Message Type

<b>Description</b>	Message type of the transaction.
<b>XML Tag</b>	<2>, </2>
<b>Type</b>	Numeric
<b>Format</b>	2100 = Gift Card Transaction, 2400 = ACH Transaction, 2500 = Cash Transaction
<b>Statue</b>	Required
<b>Trans Appl.</b>	All

### 8.96 Orig. Gateway Reference Number

<b>Description</b>	The gateway reference number of the original transaction.
<b>XML Tag</b>	<CB>, </CB>
<b>Type</b>	N
<b>Format</b>	
<b>Statue</b>	R.
<b>Trans Appl.</b>	Void, Force, Reversal, Partial Reversal

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### 8.97 Orig. Transaction ID

<b>Description</b>	Transaction ID of the original transaction
<b>XML Tag</b>	<AK>, </AK>
<b>Type</b>	n9
<b>Format</b>	MMDDYYn3
<b>Statue</b>	R.
<b>Trans Appl.</b>	Credit Void and Force

### 8.98 Orig. Trans. Type

<b>Description</b>	Transaction type of the original transaction
<b>XML Tag</b>	<AL>, </AL>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	R.
<b>Trans Appl.</b>	Credit Void and Force

### 8.99 Orig. Grand Total


<b>Description</b>	Grand Total of the original transaction
<b>XML Tag</b>	<AH>, </AH>
<b>Type</b>	an..16
<b>Format</b>	\$
<b>Statue</b>	O
<b>Trans Appl.</b>	Credit Void and Force

### 8.100 Orig. Approval Code

<b>Description</b>	Approval Code returned in the response of the original transaction
<b>XML Tag</b>	<AG>, </AG>
<b>Type</b>	n6
<b>Format</b>	
<b>Statue</b>	R.
<b>Trans Appl.</b>	Credit Void and Force

### 8.101 Peripheral Serial Number

<b>Description</b>	Indicates E2E Key Serial Number
<b>XML Tag</b>	<CF>, </CF>
<b>Type</b>	AN..20
<b>Format</b>	
<b>Statue</b>	Conditional
<b>Trans Appl.</b>	All.

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### 8.102 Pin Block

<b>Description</b>	Encrypted Pin Data
<b>XML Tag</b>	<AN>, </AN>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	C. Required for Debit Transactions
<b>Trans Appl.</b>	Debit Transactions

### 8.103 Processor Reference Number

<b>Description</b>	The reference number returned by the processor in a transaction response.
<b>XML Tag</b>	<BW>, </BW>
<b>Type</b>	N
<b>Format</b>	
<b>Statue</b>	R.
<b>Trans Appl.</b>	ACH Transactions

### 8.104 Processor Response Code

<b>Description</b>	Response Code Returned By Processor.
<b>XML Tag</b>	<AY>, </AY>
<b>Type</b>	an1..4
<b>Format</b>	
<b>Statue</b>	


### 8.105 Purchase Code

<b>Description</b>	Code identifying the purchase
<b>XML Tag</b>	<AX>, </AX>
<b>Type</b>	an..30
<b>Format</b>	
<b>Statue</b>	O
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.106 Purchase Level

<b>Description</b>	Identifies the purchase Level
<b>XML Tag</b>	<AW>, </AW>
<b>Type</b>	n1
<b>Format</b>	1 = Level 1, 2 = Level 2, 3 = Level 3
<b>Statue</b>	O
<b>Trans Appl.</b>	Credit Sale, Auth-Only



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### 8.107 Recurring Effective Date

<b>Description</b>	Identifies when the recurring transaction must be run for the first time
<b>XML Tag</b>	<BE>, </BE>
<b>Type</b>	Short Date
<b>Format</b>	(MM/DD/YY)
<b>Statue</b>	C. Recurring Transactions
<b>Trans Appl.</b>	Credit Sale

### 8.108 Recurring Frequency

<b>Description</b>	Identifies how often the recurring transaction must be run
<b>XML Tag</b>	<BF>, </BF>
<b>Type</b>	n1
<b>Format</b>	
<b>Statue</b>	C. Recurring Transactions
<b>Trans Appl.</b>	Credit Sale

### 8.109 Recurring Payments


<b>Description</b>	Identifies how many times the recurring transaction must be run
<b>XML Tag</b>	<BG>, </BG>
<b>Type</b>	n1..3
<b>Format</b>	
<b>Statue</b>	C. Recurring Transactions
<b>Trans Appl.</b>	Credit Sale

### 8.110 Recurring Response

<b>Description</b>	Reports either the scheduling of the recurring transaction was successful
<b>XML Tag</b>	<BH>, </BH>
<b>Type</b>	n1
<b>Format</b>	
<b>Statue</b>	C. Recurring Transactions

### 8.111 Reference Number

<b>Description</b>	A globally unique reference of the transaction
<b>XML Tag</b>	<BI>, </BI>
<b>Type</b>	n1.12
<b>Format</b>	
<b>Statue</b>	Available from version 2.4 on

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### 8.112 Response Code

<b>Description</b>	The code representation of the response returned
<b>XML Tag</b>	<AC>, </AC>
<b>Type</b>	n3
<b>Format</b>	
<b>Statue</b>	

### 8.113 Response Text

<b>Description</b>	The Text representation of the response returned
<b>XML Tag</b>	<AD>, </AD>
<b>Type</b>	an..100
<b>Format</b>	
<b>Statue</b>	

### 8.114 Response Type


<b>Description</b>	Specifies how the application would like to receive the response.
<b>XML Tag</b>	<4>, </4>
<b>Type</b>	Numeric
<b>Format</b>	0 = Response should be sent as XML Tags (Default) 1 = Response should be sent as Name-Value Pairs
<b>Statue</b>	Required
<b>Trans Appl.</b>	All

### 8.115 Shipping Cost Amount

<b>Description</b>	Indicates any shipping related amounts with the transaction.
<b>XML Tag</b>	<NH>, </NH>
<b>Type</b>	Numeric
<b>Format</b>	\$
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.116 Shipping Cost Rate

<b>Description</b>	Indicates any shipping rates associated with the transaction.
<b>XML Tag</b>	<NI>, </NI>
<b>Type</b>	Numeric
<b>Format</b>	%
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

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### 8.117 ShippingFrom Address

<b>Description</b>	The street address of the ShippingFrom Information for this transaction.
<b>XML Tag</b>	<MZ>, </MZ>
<b>Type</b>	an..15
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.118 ShippingFrom City

<b>Description</b>	The city of the ShippingFrom Information for this transaction.
<b>XML Tag</b>	<NA>, </NA>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.119 ShippingFrom Company Name


<b>Description</b>	The company name of the ShippingFrom Information for this transaction.
<b>XML Tag</b>	<MY>, </MY>
<b>Type</b>	an..50
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.120 ShippingFrom Country

<b>Description</b>	The country of the ShippingFrom Information for this transaction.
<b>XML Tag</b>	<NC>, </NC>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.121 ShippingFrom Email

<b>Description</b>	The email of the ShippingFrom Information for this transaction.
<b>XML Tag</b>	<NG>, </NG>
<b>Type</b>	an..40
<b>Format</b>	
<b>Statue</b>	Optional.

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<b>Trans Appl.</b>	Credit Sale, Auth-Only
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### 8.122 ShippingFrom Fax Number

<b>Description</b>	The fax number of the ShippingFrom Information for this transaction.
<b>XML Tag</b>	<NF>, </NF>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.123 ShippingFrom First Name

<b>Description</b>	The first name of the ShippingFrom Information for this transaction.
<b>XML Tag</b>	<MW>, </MW>
<b>Type</b>	an..15
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.124 ShippingFrom Last Name


<b>Description</b>	The last name of the ShippingFrom Information for this transaction.
<b>XML Tag</b>	<MX>, </MX>
<b>Type</b>	an..15
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.125 ShippingFrom Phone Number

<b>Description</b>	The phone number of the ShippingFrom Information for this transaction.
<b>XML Tag</b>	<NE>, </NE >
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.126 ShippingFrom State

<b>Description</b>	The state of the ShippingFrom Information for this transaction.
<b>XML Tag</b>	<NB>, </NB>
<b>Type</b>	an..20
<b>Format</b>	

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<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.127 ShippingFrom Zip Code

<b>Description</b>	The zip code of the ShippingFrom Information for this transaction.
<b>XML Tag</b>	<ND>, </ND>
<b>Type</b>	an..9
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.128 Shipping Tax Amount


<b>Description</b>	Indicates any tax amounts on the shipping costs associated with the transaction.
<b>XML Tag</b>	<NJ>, </NJ>
<b>Type</b>	Numeric
<b>Format</b>	\$
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.129 Shipping Tax Rate

<b>Description</b>	Indicates any tax rates on the shipping costs associated with the transaction.
<b>XML Tag</b>	<NK>, </NK>
<b>Type</b>	Numeric
<b>Format</b>	%
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.130 ShippingTo Address

<b>Description</b>	The street address of the ShippingTo Information for this transaction.
<b>XML Tag</b>	<MO>, </MO>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

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### 8.131 ShippingTo City

<b>Description</b>	The city of the ShippingTo Information for this transaction.
<b>XML Tag</b>	<MP>, </MP>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.132 ShippingTo Company Name

<b>Description</b>	The company name of the ShippingTo Information for this transaction.
<b>XML Tag</b>	<MN>, </MN>
<b>Type</b>	an..50
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.133 ShippingTo Country Name


<b>Description</b>	The country of the ShippingTo Information for this transaction.
<b>XML Tag</b>	<MR>, </MR>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.134 ShippingTo Email

<b>Description</b>	The email of the ShippingTo Information for this transaction.
<b>XML Tag</b>	<MV>, </MV>
<b>Type</b>	an..40
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.135 ShippingTo Fax Number

<b>Description</b>	The fax number of the ShippingTo Information for this transaction.
<b>XML Tag</b>	<MU>, </MU>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	Optional.

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<b>Trans Appl.</b>	Credit Sale, Auth-Only
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### 8.136 ShippingTo First Name

<b>Description</b>	The first name of the ShippingTo Information for this transaction.
<b>XML Tag</b>	<ML>, </ML>
<b>Type</b>	an..15
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.137 ShippingTo Last Name

<b>Description</b>	The last name of the ShippingTo Information for this transaction.
<b>XML Tag</b>	<MM>, </MM>
<b>Type</b>	an..15
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.138 ShippingTo Phone Number


<b>Description</b>	The phone number of the ShippingTo Information for this transaction.
<b>XML Tag</b>	<MT>, </MT>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.139 ShippingTo State

<b>Description</b>	The state of the ShippingTo Information for this transaction.
<b>XML Tag</b>	<MQ>, </MQ>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	Optional.
<b>Trans Appl.</b>	Credit Sale, Auth-Only

### 8.140 ShippingTo Zip Code

<b>Description</b>	The zip code of the ShippingTo Information for this transaction.
<b>XML Tag</b>	<MS>, </MS>
<b>Type</b>	an..9
<b>Format</b>	
<b>Statue</b>	Optional.

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<b>Trans Appl.</b>	Credit Sale, Auth-Only
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#### 8.141 Storage

<b>Description</b>	A fee for storing merchandise (taxable item). For Towing, the fee charged for storing a vehicle on the company's lot
<b>XML Tag</b>	<AM>, </AM>
<b>Type</b>	an..16
<b>Format</b>	\$
<b>Statue</b>	O. For Reporting Only
<b>Trans Appl.</b>	Credit Sale, Auth-Only

#### 8.142 Sub Total

<b>Description</b>	Sum of all taxable amounts including Tax
<b>XML Tag</b>	<V>, </V>
<b>Type</b>	an..16
<b>Format</b>	\$
<b>Statue</b>	R
<b>Trans Appl.</b>	All

#### 8.143 Swipe Fee

<b>Description</b>	A fee added to the Total Amount for swiped transactions
<b>XML Tag</b>	<CK>, </CK>
<b>Type</b>	an..16
<b>Format</b>	\$
<b>Statue</b>	C.
<b>Trans Appl.</b>	Swiped Transactions


#### 8.144 Tax

<b>Description</b>	Tax applied to the sum of all taxable items
<b>XML Tag</b>	<U>, </U>
<b>Type</b>	an..16
<b>Format</b>	\$
<b>Statue</b>	O. For Reporting Only
<b>Trans Appl.</b>	All

#### 8.145 Tax Amount

<b>Description</b>	The amount of this particular tax applied to this transaction or line item.
<b>XML Tag</b>	<TE>, </TE>
<b>Type</b>	Numeric Currency



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<b>Format</b>	\$
<b>Statue</b>	O. For Reporting Only
<b>Trans Appl.</b>	Credit Sale, Auth-Only, Force

#### 8.146 Tax Base Amount

<b>Description</b>	The Amount used to calculate the tax.
<b>XML Tag</b>	<TI>, </TI>
<b>Type</b>	an..16
<b>Format</b>	\$
<b>Statue</b>	O. For Reporting Only
<b>Trans Appl.</b>	All

#### 8.147 Tax Custom1

<b>Description</b>	A custom field used to pass additional info about the tax.
<b>XML Tag</b>	<TJ>, </TJ>
<b>Type</b>	AN
<b>Format</b>	
<b>Statue</b>	O. For Reporting Only
<b>Trans Appl.</b>	All

#### 8.148 Tax Custom 2


<b>Description</b>	A custom field used to pass additional info about the tax.
<b>XML Tag</b>	<TK>, </TK>
<b>Type</b>	AN
<b>Format</b>	
<b>Statue</b>	O. For Reporting Only
<b>Trans Appl.</b>	All

#### 8.149 Tax Description

<b>Description</b>	A short description or name for this tax.
<b>XML Tag</b>	<TG>, </TG>
<b>Type</b>	AN
<b>Format</b>	
<b>Statue</b>	O. For Reporting Only
<b>Trans Appl.</b>	Credit Sale, Auth-Only, Force

#### 8.150 Tax Exempt

<b>Description</b>	Indicates if the transaction is Tax Exempt
<b>XML Tag</b>	<BJ>, </BJ>
<b>Type</b>	Numeric

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<b>Format</b>	1,0
<b>Statue</b>	O.
<b>Trans Appl.</b>	Credit Sale, Auth-Only, Force

### 8.151 Tax Family

<b>Description</b>	Type that this tax should be reported as to the processor. Applies to Level 3 transactions only.
<b>XML Tag</b>	<TC>, </TC>
<b>Type</b>	Numeric
<b>Format</b>	
<b>Statue</b>	O. For Reporting Only
<b>Trans Appl.</b>	All

### 8.152 Tax Info


<b>Description</b>	Marks the beginning and end of Transaction Tax Info
<b>XML Tag</b>	<TA>, </TA>
<b>Type</b>	An...1000
<b>Format</b>	
<b>Statue</b>	O. For Reporting Only
<b>Trans Appl.</b>	All

### 8.153 Tax Item

<b>Description</b>	Marks the beginning and end of the details of a single transaction tax
<b>XML Tag</b>	<TB>, </TB>
<b>Type</b>	An
<b>Format</b>	
<b>Statue</b>	O. For Reporting Only
<b>Trans Appl.</b>	All

### 8.154 Tax Merchant Identification Number

<b>Description</b>	The merchant identification number for this tax as assigned by the taxing authority.
<b>XML Tag</b>	<TF>, </TF>
<b>Type</b>	Numeric
<b>Format</b>	
<b>Statue</b>	O. For Reporting Only
<b>Trans Appl.</b>	All

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### 8.155 Tax Rate

<b>Description</b>	The tax rate of the tax.
<b>XML Tag</b>	<TD>, </TD>
<b>Type</b>	Numeric
<b>Format</b>	
<b>Statue</b>	O. For Reporting Only
<b>Trans Appl.</b>	All

### 8.156 Tax Type

<b>Description</b>	The tax type of the tax.
<b>XML Tag</b>	<TH>, </TH>
<b>Type</b>	Numeric
<b>Format</b>	0 = Generic, 1 = IVA, 2=INC
<b>Statue</b>	C.
<b>Trans Appl.</b>	All

### 8.157 Taxed Amount


<b>Description</b>	The amount taxed applied to this transaction or line item.
<b>XML Tag</b>	<CJ>, </CJ>
<b>Type</b>	Numeric Currency
<b>Format</b>	\$
<b>Statue</b>	O. For Reporting Only
<b>Trans Appl.</b>	Credit Sale, Auth-Only, Force

### 8.158 Terminal ID

<b>Description</b>	Terminal ID of the device. Unique per device. Issued by CHARGE Anywhere
<b>XML Tag</b>	<BC>, </BC>
<b>Type</b>	n4
<b>Format</b>	
<b>Statue</b>	R
<b>Trans Appl.</b>	All

### 8.159 Time On

<b>Description</b>	Time Transaction started, for a taxi, it corresponds to beginning of fare
<b>XML Tag</b>	<N>, </N>
<b>Type</b>	an..100
<b>Format</b>	

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<b>Statue</b>	
<b>Trans Appl.</b>	Sale, Auth-Only and Force

### 8.160 Time Off

<b>Description</b>	Time Transaction ended, for a taxi, it corresponds to end of fare
<b>XML Tag</b>	<O>, </O>
<b>Type</b>	an..100
<b>Format</b>	
<b>Statue</b>	
<b>Trans Appl.</b>	Sale, Auth-Only and Force

### 8.161 Tips

<b>Description</b>	Any gratuity given in this transaction (non- taxable item)
<b>XML Tag</b>	<W>, </W>
<b>Type</b>	an..16
<b>Format</b>	\$
<b>Statue</b>	C. Required if collected by POS
<b>Trans Appl.</b>	Sale and Force

### 8.162 To


<b>Description</b>	Indicates the server at which the transaction should be processed. For Credit Card Transactions, the field should be left blank.
<b>XML Tag</b>	<1>, </1>
<b>Type</b>	Numeric
<b>Format</b>	21 = GiftCardServer, 24 = ACHServer, 25 = CashServer
<b>Statue</b>	Required
<b>Trans Appl.</b>	All

### 8.163 Tolls

<b>Description</b>	For a taxi, the tolls that were used during the trip (non- taxable item)
<b>XML Tag</b>	<Y>, </Y>
<b>Type</b>	an..16
<b>Format</b>	\$
<b>Statue</b>	C. Required if collected by POS
<b>Trans Appl.</b>	Sale, Auth-Only and Force

### 8.164 Track1

<b>Description</b>	Full magnetic stripe read of Track1
<b>XML Tag</b>	<D>, </D>
<b>Type</b>	an..76

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<b>Format</b>	
<b>Statue</b>	R.
<b>Trans Appl.</b>	All Track1 swiped Transactions,

### 8.165 Track2

<b>Description</b>	Full magnetic stripe read of Track2
<b>XML Tag</b>	<AJ>, </AJ>
<b>Type</b>	an..40
<b>Format</b>	
<b>Statue</b>	R.
<b>Trans Appl.</b>	All Track2 swiped Transactions,

### 8.166 Transaction Hash

<b>Description</b>	A hash sent with cash transactions to uniquely identify each transaction.
<b>XML Tag</b>	<CC>, </CC>
<b>Type</b>	AN
<b>Format</b>	
<b>Statue</b>	R
<b>Trans Appl.</b>	Cash Transactions Only

### 8.167 Transaction Type


<b>Description</b>	Identifies the type of the transaction the merchant is to perform
<b>XML Tag</b>	<C>, </C>
<b>Type</b>	an..20
<b>Format</b>	
<b>Statue</b>	R
<b>Trans Appl.</b>	All

### 8.168 Transaction ID

<b>Description</b>	Uniquely Identifies the transaction at the POS
<b>XML Tag</b>	<A>, </A>
<b>Type</b>	n9
<b>Format</b>	Free Form. Unique per batch. Void TransactionId same as TransactionId of transaction being voided. Same applies to Inquiry
<b>Statue</b>	R
<b>Trans Appl.</b>	All

### 8.169 Trip Miles

<b>Description</b>	For a taxi, the number of miles the trip took
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<b>XML Tag</b>	<P>, </P>
<b>Type</b>	an..100
<b>Format</b>	
<b>Statue</b>	
<b>Trans Appl.</b>	Sale, Auth-Only and Force

### 8.170 VAT Invoice


<b>Description</b>	For value added taxes, indicates the VAT number of the customer..
<b>XML Tag</b>	<NP>, </NP>
<b>Type</b>	AN..50
<b>Format</b>	
<b>Statue</b>	Optional. Used for tracking VAT transactions.
<b>Trans Appl.</b>	All

### 8.171 Version

<b>Description</b>	Transaction Request Format Version 2.0
<b>XML Tag</b>	<AS>, </AS>
<b>Type</b>	an3
<b>Format</b>	
<b>Statue</b>	R
<b>Trans Appl.</b>	All

### 8.172 Zip Code

<b>Description</b>	5 or 9 digit zip code if Address verification is performed
<b>XML Tag</b>	<I>, </I>
<b>Type</b>	an..9
<b>Format</b>	an5 or an9 if Present
<b>Statue</b>	O.
<b>Trans Appl.</b>	Credit Sale and Auth-Only

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### 8.173 VALID DATA SOURCE VALUES

This field is made up of 5 digits; each denotes information about the way the transaction came to ComsGate.

#### 8.174 Pos 1 Valid Values

Description	Value
Wireless	<b>0</b>
Dial-up	<b>1</b>
IP-Socket	<b>2</b>
HTTP	<b>3</b>

#### 8.175 Pos 2 Valid Values

Description	Value
Non-Encrypted	<b>0</b>
Encrypted	<b>1</b>


---

NOTE: Pos 3, Pos 4 and Pos5 are reserved for future use.

---

Examples:

- An encrypted IP transaction will have a Data Source value of 12
- A Non Encrypted HTTP Transaction will have a Data Source value of 03

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## 9 VALID TRANSACTION TYPES


Description	Value
Sale	<b>1</b>
Auth Only	<b>6</b>
Force	<b>4</b>
Return	<b>3</b>
Void	<b>2</b>
Inquiry	<b>x</b>

---

Note: You need to use Transaction Type Description in the Transaction Request


---



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## 10 VALID RECURRING FREQUENCIES

Description	Value
Daily	<b>0</b>
Weekly	<b>1</b>
Bi-Weekly	<b>2</b>
Monthly	<b>3</b>
Yearly	<b>4</b>

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## 11 VALID RESPONSE CODES

Description	Value
APPROVED	<b>000</b>
APPROVED_DUPLICATE	<b>094</b>
DEVICE_NOT_CONFIGURED	<b>FE0</b>
INVALID_MERCHANT_ACCOUNT	<b>FE1</b>
OUT_OF_SEQUENCE	<b>FE2</b>
PROCESSOR_UNAVAILABLE	<b>FE3</b>
NO_RESPONSE_FROM_SERVER	<b>FE4</b>
INVALID_RESPONSE	<b>FE5</b>
INVALID_TRANSACTION_DATA	<b>FE6</b>
SERVER_BUSY	<b>FE7</b>
MERCHANT_ACCOUNT_DEACTIVE	<b>FE8</b>
TRANSACTION_NOT_SUPPORTED	<b>FE9</b>
CA_MERCHANT_NOT_ALLOWED	<b>FEA</b>
CA_INVALID_PROCESSOR_INFO	<b>FEB</b>
CA_BATCH_CLOSE_IN_PROGRESS	<b>FEC</b>
CA_NO_SUCH_TRANSACTION	<b>FED</b>
PROCESSOR_ERROR	<b>FFE</b>
UNSPECIFIED_ERROR	<b>FFF</b>

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## 12 VALID AVS RESPONSES

Description	AVS Result
Address Matches, Zip does not match	<b>A</b>
Street address match, Postal code in wrong format. (International issuer).	<b>B</b>
Street address and postal code in wrong formats.	<b>C</b>
Street address and postal code match (international issuer)	<b>D</b>
Error. AVS not allowed.	<b>E</b>
Non AVS Participant.	<b>G</b>
Address information not verified by international issuer.	<b>I</b>
Street Address and Postal code match (international issuer).	<b>M</b>
Address and Zip do not match	<b>N</b>
No Response sent.	<b>O</b>
Postal codes match, Street address not verified due to incompatible formats.	<b>P</b>
Retry. System unavailable.	<b>R</b>
Service not supported	<b>S</b>
Unavailable	<b>U</b>
Nine digit zip matches, Address does not match	<b>W</b>
Address and nine digit Zip match	<b>X</b>
Address and five digit Zip match	<b>Y</b>
Five digit Zip matches, Address does not match	<b>Z</b>

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### 13 VALID CARD VERIFICATION VALUE INDICATORS (CVVI)

Description	CVVI Value
Deliberately Bypassed	<b>0</b>
Value is Present	<b>1</b>
Value is on Card but is Illegible	<b>2</b>
Cardholder states that the card has no CVV imprint	<b>9</b>

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#### 14 VALID CVV RESPONSES

Description	CVV2 Result
Match	<b>M</b>
No Match	<b>N</b>
Not Processed	<b>P</b>
Should have been supplied	<b>S</b>
Issuer unable to process request	<b>U</b>

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## 15 VALID RECURRING RESPONSES

Description	CVV2 Result
Success	<b>1</b>
Failure	<b>0</b>

---


Note: A non-existing response is equivalent to a value of 0

---

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## CHANGE SUMMARY

<b>Date</b>	<b>Author</b>	<b>Description</b>
08/06/06	Thami Smires	Version 2.0. Introduction of Version, MerchantId, and TerminalId
09/27/06	Thami Smires	Correction of Response Code FEE to FFE and FEF to FFF
09/27/06	Thami Smires	Addition of CA_NO_SUCH_TRANSACTION response FED
09/27/06	Thami Smires	Version 2.1. AS of this version, TransactionId is no longer MMDDYYxxx, it is free form and unique per batch.
10/17/06	Thami Smires	Change size of Invoice# to 10
12/01/06	Thami Smires	Version 2.2. Increase the size of Invoice# to 50, Clerk# to 10, Cab# to 10, P-Code to 30 and change ServerId to Customer# and give it size of 50
01/11/07	Thami Smires	Version 2.2 Revision a. Update Table of Contents and fix some typos
02/05/07	Thami Smires	Version 2.3. Introduction of Recurring Tags in the request to allow clients to request of server to schedule a transaction as recurring. Update AVS responses
06/26/07	Thami Smires	Version 2.4. Appendix A,B,C Formatting a request, URL's for Get and Post, Transaction log sample code. Applied doc formatting.
06/20/08	Thami Smires	Fix version number and correct description for Merchant Id and Terminal Id
04/04/11	Steve Wong	Add support for Line Items, Billing / Shipping Information, and Extended Transaction Information
02/28/14	Joaquim Oliveira	Corrected Duplicated Tags, Added Support for EMV Transactions

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## Appendix A – Communicate with ComsGate<sup>®</sup>

### **ComsGate<sup>®</sup> Test Environment:**

- URL = <https://webtest.comstarinteractive.com>

### **ComsGate<sup>®</sup> Production Environment:**

- URL = <https://www.comstarinteractive.com>

### **Using GET Method to process your requests with ComsGate<sup>®</sup>:**

- Path = /chargeanywheremanager/chargeanywheremanager.dll?ProcessTransaction?  
TransactionData=vData  
(vData is the request constructed using the ComsGate<sup>™</sup> Specifications)

### **Using POST Method to process your requests with ComsGate<sup>®</sup>:**


- Path = /chargeanywheremanager/ca.asp  
- TransactionData=vData  
(vData is the request constructed using the ComsGate<sup>™</sup> Specifications)

---

NOTE 1: For [Sample Code](#) using GET and POST Methods to process your requests with ComsGate<sup>®</sup> Test environment, please see Appendix B.

---



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## Appendix B – Sample Code

The following are samples for GET and POST HTTP requests formatted using the XML based ComsGate<sup>®</sup> specifications and serviced by ComsGate<sup>®</sup> Test environment. To customize your information refer to the specifications details in **Section 8 (Data Elements)**.

### Sending an HTTP Request to ComsGate Using a GET

The sample code provided below is for a GET HTTP request to ComsGate<sup>®</sup> Test environment. The transaction type processed is a 'Sale.' This sample code is being implemented using ASP.NET, however any language or technology may be used.

```

<%@ Page Language="C#" %>
<%
string myURL = "https://webtest.comstarinteractive.com/ comsgate.asp?";

string myQueryString =
"TransactionData=<AB><A>082906532</A><AS>2.6</AS><BB>ONNNKILEOPHEBMHTKW
LMLDQLNYBFYCCAIBOEYKYOYXGGCECXQVDWVAENGJXTXKJ</BB><BC>0001</BC><AP>WT.
27680.0001</AP><B>8/29/20069:32:52AM</B><C>Sale</C><AZ>0</AZ><D></D><AJ
></AJ><F>4003000123456781</F><DD>0</DD><AI>1</AI><G>1215</G><H></H><I><
/I><AT>0</AT><AU></AU><K></K><L></L><M></M><N></N><O></O><P></P><Q>0.00
</Q><AM>0.00</AM><R>0.00</R><S>0.00</S><T>1.20</T><U>0.00</U><V>1.20</V
><W>0.00</W><X>0.00</X><Y>0.00</Y><Z>1.20</Z><AK></AK><AL></AL>
<AH></AH><AG></AG><AW>1</AW><AX></AX></AB>";

System.Net.WebRequest myWebRequest = System.Net.WebRequest.Create(myURL
+ myQueryString);

System.Net.WebResponse myWebResponse = myWebRequest.GetResponse();
System.IO.Stream myStreamResponse = myWebResponse.GetResponseStream();
System.IO.StreamReader myStreamReader = new
System.IO.StreamReader(myStreamResponse);
string myResponse = myStreamReader.ReadToEnd();
myStreamReader.Close();
myStreamResponse.Close();

//Response you get from Comsgate™ to be parsed
Response.Write(myResponse);
%>


```

### Raw Response data you should get from ComsGate<sup>®</sup> :

```

<A>082906532</A><AC>000</AC><AY>000</AY><AD>APPROVED</AD><AF>104717</A
F><BI>000002058361</BI><BZ>1.20</BZ><BX>1</BX>

```

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## Sending an HTTP request to ComsGate using a POST

The sample code provided below is for a POST HTTP request to ComsGate® Test environment. The transaction type processed is a 'Sale.' This sample code is being implemented using ASP.NET, however any language or technology might be used.

```
<%@ Page Language="C#" Debug="true" %>
<%
string myURL = "https://webtest.comstarinteractive.com/ comsgate.asp?";

string myForm =
"TransactionData=<AB><A>082906532</A><AS>2.6</AS><BB>ONNNKILEOPHEBMHTKW
LMLDQLNYBFYCCAIBOEYKYOYXGGCECXQVDWVAENGJXTXKJ</BB><BC>0001</BC><AP>WT.
27680.0001</AP><B>8/29/20069:32:52AM</B><C>Sale</C><AZ>0</AZ><D></D><AJ
></AJ><F>4003000123456781</F><DD>0</DD><AI>1</AI><G>1215</G><H></H><I><
/I><AT>0</AT><AU></AU><K></K><L></L><M></M><N></N><O></O><P></P><Q>0.00
</Q><AM>0.00</AM><R>0.00</R><S>0.00</S><T>1.20</T><U>0.00</U><V>1.20</V
><W>0.00</W><X>0.00</X><Y>0.00</Y><Z>1.20</Z><AK></AK><AL></AL>
<AH></AH><AG></AG><AW>1</AW><AX></AX></AB>";


System.Net.WebRequest myWebRequest =
    System.Net.WebRequest.Create(myURL);
myWebRequest.Method = "POST";
myWebRequest.ContentLength = myForm.Length;
myWebRequest.ContentType = "application/x-www-form-urlencoded";
System.IO.Stream myStreamRequest = myWebRequest.GetRequestStream();
System.IO.StreamWriter myStreamWriter = new
    System.IO.StreamWriter(myStreamRequest);
myStreamWriter.Write(myForm);
myStreamWriter.Close();
myStreamRequest.Close();

System.Net.WebResponse myWebResponse = myWebRequest.GetResponse();
System.IO.Stream myStreamResponse = myWebResponse.GetResponseStream();
System.IO.StreamReader myStreamReader = new
    System.IO.StreamReader(myStreamResponse);
string myResponse = myStreamReader.ReadToEnd();
myStreamReader.Close();
myStreamResponse.Close();

//Response you get from Comsgate to be parsed
Response.Write(myResponse);
%>
```

### Raw Response data you should get from ComsGate™:

```
<A>082906532</A><AC>000</AC><AY>000</AY><AD>APPROVED</AD><AF>104717</AF
><BI>000002058361</BI><BZ>1.20</BZ><BX>1</BX>
```

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## Appendix C – Sample Transaction Logs

### SALE :

#### Request data sent to ComsGate

```
<AB><AP>WT.27680.0001</AP><BC>0001</BC><BB>ONNNKILEOPHEBMHTKWLMLDQLNYBFY
CCAIBOEYKYOYXGGCECXQVDWVAENGJXTXKJ</BB><A>082906533</A><B>01/30/12
11:03:09</B><C>Sale</C><F>4003000123456781</F><DD>0</DD><AI>1</AI><G>121
5</G><T>1.10</T><V>1.10</V><Z>1.10</Z><AR>02</AR><AS>2.6</AS><BA>0</BA><
AW>1</AW></AB>
```

#### Response data received from ComsGate

```
<A>082906533</A><AC>000</AC><AY>000</AY><AD>APPROVED</AD><AF>105953</AF>
<BI>000002058362</BI><BZ>1.10</BZ><BX>1</BX>
```

### VOID SALE :

#### Request data sent to ComsGate

```
<AB><AP>WT.27680.0001</AP><BC>0001</BC><BB>ONNNKILEOPHEBMHTKWLMLDQLNYBFY
CCAIBOEYKYOYXGGCECXQVDWVAENGJXTXKJ</BB><A>082906533</A><B>01/30/12
11:05:02</B><C>Void</C><T>1.10</T><V>1.10</V><Z>1.10</Z><AR>02</AR><AS>2
.6</AS><AK>082906533</AK><AG>105953</AG><DD>0</DD><AH>1.10</AH><AL>Sale<
/AL><CB>000002058362</CB><BA>0</BA><AW>1</AW></AB>
```

#### Response data received from ComsGate

```
<A>082906533</A><AC>000</AC><AY>000</AY><AD>APPROVED</AD><AF>110146</AF>
<BI>000002058363</BI><BZ>1.10</BZ><BX>1</BX>
```


### RETURN :

#### Request data sent to ComsGate

```
<AB><AP>WT.27680.0001</AP><BC>0001</BC><BB>ONNNKILEOPHEBMHTKWLMLDQLNYBFY
CCAIBOEYKYOYXGGCECXQVDWVAENGJXTXKJ</BB><A>082906535</A><B>01/30/12
11:10:23</B><C>Return</C><F>4003000123456781</F><DD>0</DD><AI>1</AI><G>1
215</G><T>1.20</T><V>1.20</V><Z>1.20</Z><AR>02</AR><AS>2.6</AS><BA>0</BA>
<AW>1</AW></AB>
```

#### Response data received from ComsGate

```
<A>082906535</A><AC>000</AC><AY>000</AY><AD>APPROVED</AD><AF>110707</AF>
<BI>000002058366</BI><BZ>1.20</BZ><BX>1</BX>
```

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**VOID RETURN:**

Request data sent to ComsGate®

```
<AB><AP>WT.27680.0001</AP><BC>0001</BC><BB>ONNNKILEOPHEBMHTKWLMLDQLNYBFY
CCAIBOEYKYOYXGGCECXQVDWVAENGJXTXKJ</BB><A>082906535</A><B>01/30/12
11:11:19</B><C>Void</C><F>xxxxxx6781</F><DD>0</DD><G>1215</G><T>1.20</T>
<V>1.20</V><Z>1.20</Z><AR>02</AR><AS>2.6</AS><AK>082906535</AK><AG>11070
7</AG><AH>1.20</AH><AL>Return</AL><CB>000002058366</CB><BA>0</BA><AW>1</
AW></AB>
```

Response data received from ComsGate

```
<A>082906535</A><AC>000</AC><AY>000</AY><AD>APPROVED</AD><AF>110803</AF>
<BI>000002058367</BI><BZ>1.20</BZ><BX>1</BX>
```

**AUTH ONLY:**

Request data sent to ComsGate

```
<AB><AP>WT.27680.0001</AP><BC>0001</BC><BB>ONNNKILEOPHEBMHTKWLMLDQLNYBFY
CCAIBOEYKYOYXGGCECXQVDWVAENGJXTXKJ</BB><A>082906537</A><B>01/30/12
11:13:04</B><C>Auth
Only</C><F>4003000123456781</F><DD>0</DD><AI>1</AI><G>1225</G><T>1.30</T>
<V>1.30</V><Z>1.30</Z><AR>02</AR><AS>2.6</AS><BA>0</BA><AW>1</AW></AB>
```

Response data received from ComsGate

```
<A>082906537</A><AC>000</AC><AY>000</AY><AD>APPROVED</AD><AF>110948</AF>
<BI>000002058368</BI><BZ>1.30</BZ><BX>1</BX>
```


**FORCE :**

Request data sent to ComsGate

```
<AB><AP>WT.27680.0001</AP><BC>0001</BC><BB>ONNNKILEOPHEBMHTKWLMLDQLNYBFY
CCAIBOEYKYOYXGGCECXQVDWVAENGJXTXKJ</BB><A>082906538</A><B>01/30/12
11:14:14</B><C>Force</C><F>4003000123456781</F><DD>0</DD><AI>1</AI><G>12
25</G><T>1.30</T><U>0.00</U><V>1.30</V><W>0.00</W><Z>1.30</Z><AR>02</AR>
<AS>2.6</AS><AK>082906537</AK><AG>110948</AG><AH>1.30</AH><AL>Auth
Only</AL><CB>000002058368</CB><BA>0</BA><AW>1</AW></AB>
```

Response data received from ComsGate

```
<A>082906538</A><AC>000</AC><AY>000</AY><AD>APPROVED</AD><AF>110948</AF>
<BI>000002058369</BI><BZ>1.30</BZ><BX>1</BX>
```

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**VOID FORCE :**

Request data sent to ComsGate®

<AB><AP>WT.27680.0001</AP><BC>0001</BC><BB>ONNNKILEOPHEBMHTKWLMLDQLNYBFYCCAIBOEYKYOYXGGCECXQVDWVAENGJXTXKJ</BB><A>082906538</A><B>01/30/12 11:15:18</B><C>Void</C><F>4003000123456781</F><DD>0</DD><G>1225</G><T>1.30</T><U>0.00</U><V>1.30</V><W>0.00</W><Z>1.30</Z><AR>02</AR><AS>2.6</AS><AK>082906538</AK><AG>110948</AG><AH>1.30</AH><AL>Force</AL><CB>0000 02058369</CB><BA>0</BA><AW>1</AW></AB>

Response data received from ComsGate

<A>082906538</A><AC>000</AC><AY>000</AY><AD>APPROVED</AD><AF>111202</AF><BI>000002058370</BI><BZ>1.30</BZ><BX>1</BX>

**OUT OF SEQUENCE :**

Request data sent to ComsGate®

<AB><A>082906532</A><AS>2.6</AS><BB>ONNNKILEOPHEBMHTKWLMLDQLNYBFYCCAIBOEYKYOYXGGCECXQVDWVAENGJXTXKJ</BB><BC>0001</BC><AP>WT.27680.0001</AP><B>8/29/20069:32:52AM</B><C>Sale</C><AZ>0</AZ><D></D><AJ></AJ><DD>0</DD><F>xxxxxxx6781</F><AI>1</AI><G>1215</G><H></H><I></I><AT>0</AT><AU></AU><K></K><L></L><M></M><N></N><O></O><P></P><Q>0.00</Q><AM>0.00</AM><R>0.00</R><S>0.00</S><T>1.20</T><U>0.00</U><V>1.20</V><W>0.00</W><X>0.00</X><Y>0.00</Y><Z>1.20</Z><AK></AK><AL></AL><AH></AH><AG></AG><AW>1</AW><AX></AX></AB>

Response data received from ComsGate

<A>082906532</A><AC>FE2</AC><AY></AY><AD>Out Of Sequence.</AD><AF>082906539</AF><BZ></BZ><BX>1</BX>

**Note:** Tag AC contains FE2 which denotes that the Transaction Id (Tag A) has already been used in this batch. Tag AF contains the new Transaction Id that should be used.


**AUTH ONLY :**

Request data sent to ComsGate

<AB><AP>WT.27680.0001</AP><BC>0001</BC><BB>ONNNKILEOPHEBMHTKWLMLDQLNYBFYCCAIBOEYKYOYXGGCECXQVDWVAENGJXTXKJ</BB><A>092906538</A><B>01/30/12 11:13:04</B><C>Auth Only</C><F>4003000123456781</F><DD>0</DD><AI>1</AI><G>1225</G><T>1.30</T><V>1.30</V><Z>1.30</Z><AR>02</AR><AS>2.6</AS><BA>0</BA><AW>1</AW></AB>

Response data received from ComsGate

<A>092906538</A><AC>000</AC><AY>000</AY><AD>APPROVED</AD><AF>202757</AF><BI>000002058513</BI><BZ>1.30</BZ><BX>1</BX>

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**AUTH ONLY FULL REVERSAL:**

Request data sent to ComsGate

```
<AB><AP>WT.27680.0001</AP><BC>0001</BC><BB>ONNNKILEOPHEBMHTKWLMLDQLNYBFY
CCAIBOEYKYOYXGGCECXQVDWVAENGJXTXKJ</BB><A>092906538</A><B>01/30/12
11:13:04</B><C>Reversal</C><T>0.00</T><V>0.00</V><Z>0.00</Z><DD>0</DD><A
R>02</AR><AS>2.6</AS><BA>0</BA><AW>1</AW><AK>092906538</AK><AG>202757</A
G><AH>1.30</AH><AL>Auth Only</AL><CB>000002058513</CB></AB>
```

Response data received from ComsGate

```
<A>092906538</A><AC>000</AC><AY>000</AY><AD>APPROVED</AD><AF>203120</AF>
<BI>000002058514</BI><BZ>0.00</BZ><BX>1</BX>
```

**AUTH ONLY:**

Request data sent to ComsGate

```
<AB><AP>WT.27680.0001</AP><BC>0001</BC><BB>ONNNKILEOPHEBMHTKWLMLDQLNYBFY
CCAIBOEYKYOYXGGCECXQVDWVAENGJXTXKJ</BB><A>092906539</A><B>01/30/12
11:13:04</B><C>Auth
Only</C><F>4003000123456781</F><DD>0</DD><AI>1</AI><G>1225</G><T>1.30</T
><V>1.30</V><Z>1.30</Z><AR>02</AR><AS>2.6</AS><BA>0</BA><AW>1</AW></AB>
```

Response data received from ComsGate

```
<A>092906539</A><AC>000</AC><AY>000</AY><AD>APPROVED</AD><AF>204005</AF>
<BI>000002058515</BI><BZ>1.30</BZ><BX>1</BX>
```

**AUTH ONLY PARTIAL REVERSAL (REVERSE 1.00 - SETTLE 0.30):**

Request data sent to ComsGate

```
<AB><AP>WT.27680.0001</AP><BC>0001</BC><BB>ONNNKILEOPHEBMHTKWLMLDQLNYBFY
CCAIBOEYKYOYXGGCECXQVDWVAENGJXTXKJ</BB><A>092906539</A><B>01/30/12
11:13:04</B><C>Reversal</C><DD>0</DD><T>0.00</T><V>0.00</V><Z>1.00</Z><A
R>02</AR><AS>2.6</AS><BA>0</BA><AW>1</AW><AK>092906539</AK><AG>204005</A
G><AH>1.30</AH><AL>Auth Only</AL><CB>000002058515</CB></AB>
```

Response data received from ComsGate

```
<A>092906539</A><AC>000</AC><AY>000</AY><AD>APPROVED</AD><AF>204124</AF>
<BI>000002058516</BI><BZ>1.00</BZ><BX>1</BX>
```