

**TECHNICAL
DOCUMENTATION**



INTERNET PAYMENT GATEWAY UTILITIES Version 4.6

Programming Reference

Distributed By:

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AssureBuy, Inc.

ASSUREBUY UTILITIES SPECIFICATION

Connectivity

The AssureBuy Utilities functionality will be available at the following URLs:

https://gateway.assurebuy.com/ics_utility.exe

https://gateway2.assurebuy.com/ics_utility.exe

Input Parameters

Parameter	Data Type	Max Length	Required	Description
REQUEST HEADER PARAMETERS				
Ecom_UserID	Text	5	Yes	This parameter must contain the AssureBuy-assigned user ID for this gateway client.
Ecom_Password	Text	20	Yes	This parameter must contain the user-assigned password for this gateway client.
Ecom_Mode	Text	1	Yes	This parameter must contain the desired operation mode of the payment gateway for the current transaction. Valid values include: P = Production/Live Mode T = Test/Development Mode NOTE: There is no default value for this parameter. A valid value must be received or an error will be generated.
Ecom_GatewayVersion	Text	5	Yes	This parameter must contain the version number of the gateway application being used. The value must be set to 4.6 .
Ecom_ResponseType	Text	1	Yes	This parameter determines the type of response generated by the AssureBuy server and how that response is handled. Valid values include: 0 = No response 1 = Name-value pair response only 2 = XML-formatted response only 3 = Name-value post to remote URL 4 = XML post to remote URL only 5 = Name-value response and post 6 = XML response and post
Ecom_PostURL	URL	120	Conditional	This parameter contains the URL of a remote script to which response data should be posted. This parameter is required when Ecom_ResponseType is set to one of the following: 3, 4, 5, 6 .
Ecom_Utility_Action	Text	2	Yes	This parameter contains the utility function to be performed for this request. Valid value include: OL = Order Lookup TL = Transaction Lookup VU = View'N Pay User Maintenance SU = Shipping Information Update AU = Create Admin User AS = Get Admin Session ID

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OT, TL = Order Lookup and Transaction Lookup				
Ecom_Utility_Trans_MaxRecords	Number	9	Optional	This parameter contains the maximum number of records returned back from the utility. It is required when the parameter Ecom_Utility_Action contains one of the following values: OL, TL.
Ecom_Utility_Trans_IndexIndicator	Number	9	Optional	This parameter contains the index number of the transaction. If Ecom_Utility_Action contains OL then the IndexIndicator is the Order Number. If Ecom_Utility_Action contains TL then the IndexIndicator is the transaction number. It is required when the parameter Ecom_Utility_Action contains one of the following values: OL, TL.
Ecom_Utility_Trans_Number_Start	Number	9	Conditional	This parameter contains the starting transaction number for a specified transaction range. It is required when the parameter Ecom_Utility_Action contains one of the following values: OL, TL.
Ecom_Utility_Trans_Number_End	Number	9	Conditional	This parameter contains the ending transaction number for a specified transaction range. It is required when the parameter Ecom_Utility_Action contains one of the following values: OL, TL.
Ecom_Utility_Trans_Start_Date	Text	10	Conditional	This parameter contains the starting transaction date. It is required when the parameter Ecom_Utility_Action contains one of the following values: OL, TL.
Ecom_Utility_Trans_End_Date	Text	10	Conditional	This parameter contains the ending transaction date. It is required when the parameter Ecom_Utility_Action contains one of the following values: OL, TL.
VU = View N Pay user maintenance				
Ecom_Utility_User_Function	Text	10	Conditional	This parameter contains function. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU. Valid values: ADD = Add new user UPDATE = Update user DELETE = Delete User
Ecom_Utility_User_UserID	Text	60	Conditional	This parameter contains the user id of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU.
Ecom_Utility_User_NewUserID	Text	60	Conditional	This parameter contains the new user id of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU And parameter Ecom_Utility_User_Function contains one of the following values: UPDATE
Ecom_Utility_User_Password	Text	20	Conditional	This parameter contains the user password of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU.
Ecom_Utility_User_Challenge	Text	60	Conditional	This parameter contains the user challenge of the user. It is required when the parameter Ecom_Utility_Action contains one of

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				the following values: VU .
Ecom_Utility_User_Response	Text	40	Conditional	This parameter contains the user challenge response of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU .
Ecom_Utility_User_AccountNumber	Text	25	Conditional	This parameter contains the user's account number assigned by the client. It is required when the parameter Ecom_Utility_Action contained one of the following values: VU .
Ecom_Utility_User_AccountDescription	Text	60	Optional	This parameter contains the account description.
Ecom_Utility_User_BillTo_Postal_Name_First	Text	15	Conditional	This parameter contains the first name of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU .
Ecom_Utility_User_BillTo_Postal_Name_Middle	Text	15	Conditional	This parameter contains the middle name of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU .
Ecom_Utility_User_BillTo_Postal_Name_Last	Text	30	Conditional	This parameter contains the last name of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU .
Ecom_Utility_User_BillTo_Postal_Name_Prefix	Text	5	Conditional	This parameter contains the prefix of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU .
Ecom_Utility_User_BillTo_Postal_Street_Line1	Text	30	Conditional	This parameter contains the address line1 of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU .
Ecom_Utility_User_BillTo_Postal_Street_Line2	Text	30	Conditional	This parameter contains the address line2 of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU .
Ecom_Utility_User_BillTo_Postal_Street_Line3	Text	30	Conditional	This parameter contains the address line3 of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU .
Ecom_Utility_User_BillTo_Postal_City	Text	30	Conditional	This parameter contains the city of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU .
Ecom_Utility_User_BillTo_Postal_StateProv	Text	30	Conditional	This parameter contains the state/prov of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU .
Ecom_Utility_User_BillTo_Postal_PostalCode	Text	14	Conditional	This parameter contains the postal code of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU .
Ecom_Utility_User_BillTo_Postal_CountryCode	Text	2	Conditional	This parameter contains the country code of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU .
Ecom_Utility_User_BillTo_Telecom_DayPhone	Text	20	Conditional	This parameter contains the day phone of the user. It is required when the

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				parameter Ecom_Utility_Action contains one of the following values: VU .
Ecom_Utility_User_BillTo_Telecom_Fax	Text	20	Conditional	This parameter contains the fax of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU .
Ecom_Utility_User_BillTo_Online_Email	Text	60	Conditional	This parameter contains the email of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU .
Ecom_Utility_User_DefaultAccess	Number	9	Optional	This parameter contains the default access level of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU . Valid values include: X = xxx Y = yyy
Ecom_Utility_User_SendInvoiceMessages	Text	1	Optional	This parameter contains the send invoice messages of the user. It is required when the parameter Ecom_Utility_Action contains one of the following values: VU . Valid values include: Y = Yes, send messages (default) N = No, don't send messages
SU = Shipping Update				
Ecom_Utility_ShippingUpdate_OrderNumber	Text	13	Conditional	This parameter contains the AssureBuy's order number. It is required when the parameter Ecom_Utility_Action contains one of the following values: SU .
Ecom_Utility_ShippingUpdate_ShippingInstructions	Text	120	Optional	This parameter contains the shipping instruction.
Ecom_Utility_ShippingUpdate_ShipDate	Text	8	Optional	This parameter contains the shipping date. The date must contain the following format: MMDDYYYY.
Ecom_Utility_ShippingUpdate_ActShipMethod	Text	30	Optional	This parameter contains the actual shipping method used.
Ecom_Utility_ShippingUpdate_ShipTrackingID	Text	30	Optional	This parameter contains the shipping tracking id.
Ecom_Utility_ShippingUpdate_ShipEnteredBy	Text	12	Optional	This parameter contains the id of the person who entered the shipping information.
AU = Admin User Maintenance				
Ecom_Utility_AdminUser_AdminUserID	Text	12	Required	This parameter contains the user id of the admin user.
Ecom_Utility_AdminUser_AdminUserPassword	Text	20	Required	This parameter contains the password of the admin user.
Ecom_Utility_AdminUser_Function	Text	6	Required	This parameter contains the action to be taken for a user. Valid values include: ADD = Add new user UPDATE = Update an user DELETE = Delete an user
Ecom_Utility_AdminUser_UserID	Text	12	Required	This parameter contains the user id of the user to be added, updated or deleted.
Ecom_Utility_AdminUser_UserPassword	Text	20	Required	This parameter contains the password of the user.
Ecom_Utility_AdminUser_Challenge	Text	60	Optional	This parameter contains the challenge question for the user.
Ecom_Utility_AdminUser_Response	Text	20	Optional	This parameter contains the response to the challenge question.
Ecom_Utility_AdminUser_UserName	Text	30	Conditional	This parameter contains the full name of the user. It is required when the parameter Ecom_Utility_AdminUsers_AdminUs

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				er000_Function contains one of the following values: ADD
Ecom_Utility_AdminUser_DefaultStyle	Number	2	Optional	This parameter contains the default display style.
Ecom_Utility_AdminUser_DatabaseMode	Text	1	Optional	This parameter contains the database mode. Valid values include: T = Test Mode P = Production Mode (Default) A = Archive Mode
Ecom_Utility_AdminUser_MaskFlag	Text	1	Optional	This parameter contains the mask flag value. Valid values include: Y = Yes (Default) N = No
Ecom_Utility_AdminUser_GroupID	Text	12	Optional	This parameter contains the group id. This value will be assigned by AssureBuy and given to you.
Ecom_Utility_AdminUser_AccessLevel	Text	1	Conditional	This parameter contains the access level of the user. It is required when the parameter Ecom_Utility_AdminUsers_AdminUser_er000_Function contains one of the following values: ADD . Valid values include: V = View Only M = Maintenance P = Order Processor A = Administrator
Ecom_Utility_AdminUser_Email	Text	60	Conditional	This parameter contains the email address of the user. It is required when the parameter Ecom_Utility_AdminUsers_AdminUser_er000_Function contains one of the following values: ADD
Ecom_Utility_AdminUser_RetryCount	Number	1	Optional	This parameter contains the retry count value. Default value is "0".
Ecom_Utility_AdminUser_Sellers_SellerID_000	Text	5	Required	This parameter contains the seller number. It is required when the parameter Ecom_Utility_AdminUsers_AdminUser_er000_Function contains one of the following values: ADD, UPDATE, DELETE
AS = Admin Session ID				
Ecom_Utility_AdminSessionID_AdminUserID	Text	20	Required	This parameter contain the admin system user id. It is required when the parameter Ecom_Utility_Action contains one of the following values: AS
Ecom_Utility_AdminSessionID_AdminUserPassword	Text	20	Required	This parameter contain the admin system user password. It is required when the parameter Ecom_Utility_Action contains one of the following values: AS
Ecom_Utility_AdminSessionID_AdminUserIP	Text	20	Required	This parameter contains the customer's IP address. It is required when the parameter Ecom_utility_Action contains one of the following values: AS

Sample Request Parameter XML For Ecom_Utility_Action = OL, TL, VU

```
<?xml version = "1.0"?>
<!DOCTYPE ASSUREBUY.UTILREQUEST SYSTEM
"http://docs.assurebuy.com/assurebuy_utilrequest_44.dtd">
<ASSUREBUY.UTILREQUEST
  USERID="xxxxx"
  PASSWORD="xxxxxxxxxxxxxxxxxxxxxx">
  <Mode></Mode>
  <GatewayVersion></GatewayVersion>
  <ResponseType></ResponseType>
  <PostURL></PostURL>

  <Utility>
    <Action></Action>
    <SearchCriteria>
      <MaxRecords>10</MaxRecords>
      <IndexIndicator></IndexIndicator>
      <TransactionStart></TransactionStart>
      <TransactionEnd></TransactionEnd>
      <TransactionStartDate></TransactionStartDate>
      <TransactionEndDate></TransactionEndDate>
    </SearchCriteria>

    <User>
      <Function></Function> Add/Update/Delete
      <UserID></UserID>
      <NewUserID></NewUserID>
      <Password></Password>
      <Challenge></Challenge>
      <Response></Response>
      <AccountNumber></AccountNumber>
      <AccountDescription></AccountDescription>
      <BillTo>
        <Postal>
          <Name>
            <First></First>
            <Middle></Middle>
            <Last></Last>
            <Prefix></Prefix>
          </Name>
          <Street>
            <Line1></Line1>
            <Line2></Line2>
            <Line3></Line3>
          </Street>
          <City></City>
          <StateProv></StateProv>
          <PostalCode></PostalCode>
          <CountryCode></CountryCode>
        </Postal>
        <Telecom>
          <DayPhone></DayPhone>
          <Fax></Fax>
        </Telecom>
      </BillTo>
    </User>
  </Utility>
</ASSUREBUY.UTILREQUEST>
```

```
        <Online>
            <Email></Email>
        </Online>
    </BillTo>
    <DefaultAccess></DefaultAccess>
    <SendInvoiceMessages></SendInvoiceMessages>
</User>

</Utility>
</ASSUREBUY.UTILREQUEST>
```

Sample Request Parameter XML For Ecom_ Utility_ Action = SU

```
<?xml version = "1.0"?>
<!DOCTYPE ASSUREBUY.UTILREQUEST SYSTEM
    "http://docs.assurebuy.com/assurebuy_utilrequest_44.dtd">
<ASSUREBUY.UTILREQUEST
    USERID="xxxxx"
    PASSWORD="xxxxxxxxxxxxxxxxxxxxxx">
    <Mode></Mode>
    <GatewayVersion></GatewayVersion>
    <ResponseType></ResponseType>
    <PostURL></PostURL>

    <Utility>
        <Action></Action>
        <ShippingUpdate>
            <OrderNumber></OrderNumber>
            <ShippingInstructions></ShippingInstructions>
            <ShipDate></ShipDate>
            <ActShipMethod></ActShipMethod>
            <ShipTrackingID></ShipTrackingID>
            <ShipEnteredBy></ShipEnteredBy>
        </ShippingUpdate>
    </Utility>
</ASSUREBUY.UTILREQUEST>
```

Sample Request Parameter XML For Ecom_ Utility_ Action = AU (ONLY XML)

```
<?xml version = "1.0"?>
<!DOCTYPE ASSUREBUY.UTILREQUEST SYSTEM
    "http://docs.assurebuy.com/assurebuy_utilrequest_44.dtd">
<ASSUREBUY.UTILREQUEST
    USERID="xxxxx"
    PASSWORD="xxxxxxxxxxxxxxxxxxxxxx">
    <Mode>T</Mode>
    <GatewayVersion>4.4</GatewayVersion>
    <ResponseType>2</ResponseType>
    <PostURL></PostURL>
```



```
<Utility>
  <Action>AU</Action>

  <AdminUser>
    <AdminUserID></AdminUserID>
    <AdminUserPassword></AdminUserPassword>
    <Function></Function>
    <UserID></UserID>
    <UserPassword></UserPassword>
    <Challenge></Challenge>
    <Response></Response>
    <UserName></UserName>
    <DefaultStyle></DefaultStyle>
    <DatabaseMode></DatabaseMode>
    <MaskFlag></MaskFlag>
    <GroupID></GroupID>
    <AccessLevel></AccessLevel>
    <Email></Email>
    <RetryCount></RetryCount>
    <Sellers>
      <SellerID></SellerID>
      <SellerID></SellerID>
    </Sellers>
  </AdminUser>
</Utility>
</ASSUREBUY.UTILREQUEST>
```

Sample Request Parameter XML For Ecom_ Utility_Action = AS

```
<?xml version = "1.0"?>
<!DOCTYPE ASSUREBUY.UTILREQUEST SYSTEM
  "http://docs.assurebuy.com/assurebuy_utilrequest_44.dtd">
<ASSUREBUY.UTILREQUEST
  USERID="xxxxx"
  PASSWORD="xxxxxxxxxxxxxxxxxxxxxx">
  <Mode>T</Mode>
  <GatewayVersion>4.4</GatewayVersion>
  <ResponseType>1</ResponseType>
  <PostURL></PostURL>

  <Utility>
    <Action>AS</Action>
    <AdminSessionID>
      <AdminUserID></AdminUserID>
      <AdminUserPassword></AdminUserPassword>
      <AdminUserIP></AdminUserIP>
    </ AdminSessionID >

  </Utility>
</ASSUREBUY.UTILREQUEST>
```

Sample Request Parameter Name-Value Pair For Ecom_UTILITY_Action = OL, TL

(The values must be URLEncoded prior to sending)

Ecom_UserID=82002&Ecom_Password=DR14%25yNe7c&Ecom_Mode=T&Ecom_GatewayVersion=4%2E4&Ecom_Response Type=1&Ecom_PostURL=&Ecom_UTILITY_Action=OL&Ecom_UTILITY_Trans_MaxRecords=1&Ecom_UTILITY_Trans_IndexIndicator=&Ecom_UTILITY_Trans_Number_Start=101&Ecom_UTILITY_Trans_Number_End=101&Ecom_UTILITY_Trans_Start_Date=&Ecom_UTILITY_Trans_End_Date=

Sample Request Parameter Name-Value Pair For Ecom_UTILITY_Action = VU

(The values must be URLEncoded prior to sending)

Ecom_UserID=82002&Ecom_Password=DR14%25yNe7c&Ecom_Mode=T&Ecom_GatewayVersion=4%2E4&Ecom_Response Type=1&Ecom_PostURL=&Ecom_UTILITY_Action=OL&Ecom_UTILITY_User_Function=ADD&Ecom_UTILITY_User_UserID=ashukla&Ecom_UTILITY_User_NewUserID=ashukla&Ecom_UTILITY_User_Password=ashukla&Ecom_UTILITY_User_Challenge=challenge&Ecom_UTILITY_User_Response=response&Ecom_UTILITY_User_AccountNumber=TA01&Ecom_UTILITY_User_AccountDescription=Test&Ecom_UTILITY_User_BillTo_Postal_Name_First=Ankit&Ecom_UTILITY_User_BillTo_Postal_Name_Middle=M&Ecom_UTILITY_User_BillTo_Postal_Name_Last=Shukla&Ecom_UTILITY_User_BillTo_Postal_Street_Line1=Line1&Ecom_UTILITY_User_BillTo_Postal_Street_Line2=Line2&Ecom_UTILITY_User_BillTo_Postal_Street_Line3=Line3&Ecom_UTILITY_User_BillTo_Postal_City=City&Ecom_UTILITY_User_BillTo_Postal_StateProv=State&Ecom_UTILITY_User_BillTo_Postal_PostalCode=Postal&Ecom_UTILITY_User_BillTo_Postal_CountryCode=US&Ecom_UTILITY_User_BillTo_Telecom_DayPhone=111%2D222%2D3333&Ecom_UTILITY_User_BillTo_Telecom_Fax=444%2D555%2D6666&Ecom_UTILITY_User_BillTo_Online_Email=ashukla%40assurebuy%2Ecom&Ecom_UTILITY_User_DefaultAccess=&Ecom_UTILITY_User_SendInvoiceMessages=

Response Parameters

Parameter	Data Type	Max Length	Required	Description
RESPONSE HEADER PARAMETERS				
Ecom_UserID	Text	20	Optional	This parameter contains an optional User ID to identify the AssureBuy response to the remote computer system. This value is to be supplied by the AssureBuy client. The default value is NULL .
Ecom_Password	Text	20	Optional	This parameter contains an optional Password to identify the AssureBuy response to the remote computer. This value is to be supplied by the AssureBuy client. The default value is NULL .
Ecom_Mode	Text	1	Yes	This parameter returns the mode in which this transaction was processed. Valid values include: P = Production/Live mode T = Test/Development mode
Ecom_GatewayVersion	Text	5	Yes	This parameter returns the version number of the gateway application used to generate the response.
Ecom_ReturnCode	Number	4	Yes	This parameter contains the return code identifying the type of response returned from the AssureBuy servers. Valid values range from 0000 to 9999 . If the AssureBuy server has successfully processed the requested transaction, this value will be set to 0000 . Any value other than 0000 , indicates that an error has occurred. See the section on Error Responses for more information.
Ecom_SessionID	Text	16	Yes	This parameter contains the unique session identifier for the current gateway request.
Ecom_OrderCount	Number	3	Yes	This parameter contains the number of orders returned by the Utility.
ORDER PARAMETERS				
Ecom_Order000_Reference	Number	13	Yes	This parameter contains the 13-digit unique order reference number as assigned by AssureBuy.
Ecom_Order000_SellerOrderID	Text	30	Optional	This parameter contains the unique order identifier as assigned by the seller and as passed to the AssureBuy server with the original request.
Ecom_Order000_Date	Date	15	Yes	Contains the order date for the current order in the format MMDDYYYY HHMMSS . If no value was passed as part of the request, then this parameter will be assigned by AssureBuy.
Ecom_Order000_CustomerID	Text	30	Optional	This parameter contains the identifier for the current customer as sent to the AssureBuy Payment Gateway. NOTE: When using the AssureBuy customer profile service, this identifier was used to retrieve and load the BillTo and ShipTo fields from the current customer profile

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				maintained by AssureBuy.
Ecom_Order000_PONumber	Text	30	Optional	This parameter contains the customer assigned purchase order number for the current transaction.
Ecom_Order000_ShipMethod	Text	30	Optional	This parameter contains the method to be used for shipping the current order.
Ecom_Order000_ShippingInstructions	Text	60	Optional	This parameter contains the user-defined shipping instructions as entered by the customer.
Ecom_Order000_Comments	Text	2048	Optional	This parameter should contain any customer-entered order comments that are associated with this order.
Ecom_Order000_Source	Text	2	Optional	This parameter contains the code to identify the source for the current order. Valid values include: EM = E-Mail FX = Fax MA = Mail OL = On-Line OT = Other RT = Retail TX = Telephone
Ecom_Order000_Language	Number	2	Optional	This parameter identifies the language used by the customer to place the order. Must be a number in the range 1 – 99. Valid values include: 0 = English 1 = French 2 = Swedish 3 = German 4 = Italian 5 = Spanish 6 = Portuguese 7 = Japanese 8 = Cantonese 9 = Dutch
Ecom_Order000_TaxJurisdiction	Text	20	Conditional	This parameter should contain the jurisdiction associated with any collected taxes. This parameter is required when tax amount is present.
Ecom_Order000_TaxCountry	Text	2	Conditional	This parameter should contain the country associated with any collected taxes. Valid values must match the ISO 3166 standard two-letter codes for country names. This parameter is required when tax amount is present.
Ecom_Order000_VATTaxRate	Number	12	Optional	The tax rate associated with any applicable VAT tax for this transaction. This value should be expressed as a decimal value. For example: 5-3/4% would be sent as 5.75 .
Ecom_Order000_VATTaxID	Text	15	Optional	The tax identification number associated with any VAT tax for this order.
Ecom_Order000_AlternateTaxRate	Number	12	Optional	The tax rate associated with any applicable alternate tax for this transaction. This value should be expressed as a decimal value. For example: 5-3/4% would be sent as 5.75 .
Ecom_Order000_AlternateTaxID	Text	15	Optional	The tax identification number associated with any alternate tax for this order.
Ecom_Order000_CurrencyCode	Text	3	Optional	The three-letter ISO 4217 standard currency code.
Ecom_Order000_CurrencyRule	Text	1	Optional	This parameter identifies which party

				determines the currency to be used for the transaction. Valid values include: B = Buyer S = Seller
Ecom_Order000_IPAddress	Text	30	Conditional	This parameter contains the IP address of the customer placing this order.
Ecom_Order000_BrowserType	Text	50	Optional	This parameter contains the customer browser type used to place an Internet order. The browser type can be obtained by retrieving the HTTP_AGENT environment variable.
INVOICE PARAMETERS				
Ecom_Invoice000_PeriodStart	Date	8	Optional	Contains the invoice period start date for the current order/invoice. Must be in the format MMDDYYYY .
Ecom_Invoice000_PeriodEnd	Date	8	Optional	Contains the invoice period end date for the current order/invoice. Must be in the format MMDDYYYY .
Ecom_Invoice000_PreviousBillingDate	Date	8	Optional	Contains the previous invoice billing date for the current order/invoice. Must be in the format MMDDYYYY .
Ecom_Invoice000_PreviousInvoiceBalance	Number	12	Optional	The previous invoice balance for the current order/invoice. The default value is 0.00 .
Ecom_Invoice000_DueDate	Date	8	Optional	Contains the payment due date for the current order/invoice. Must be in the format MMDDYYYY . Defaults to the value of Ecom_Order_Date if left blank.
Ecom_Invoice000_NotificationFlag	Text	1	Optional	Contains a flag to determine whether or not the invoice notification e-mail message should be sent for the current order/invoice. Valid values include: Y = Yes (default) N = No. NOTE: When this value is set to Y , the sending of the notification e-mail will be depend on the configuration of the settings for both the Seller and the Customer.
Ecom_Invoice000_InvoiceType	Text	1	Optional	Contains the invoice type for the current order/invoice. Valid values include: 0 = Invoice (default) 1 = Statement 2 = Master Invoice NOTE: When the value of this parameter is set to 1 , the invoice total will not be included in the total amount owing for the customer in the View N Pay service.
Ecom_Invoice000_Template	Text	20	Optional	Contains the name of the invoice template to be used when displaying this invoice in the View N Pay service. If blank, the default template from the Seller configuration settings will be used.
ORDER BILLTO PARAMETERS				
NOTE: In the following section, the 000 in "BillTo000" contains a unique identifier for each order returned by the Utility. Valid values range from 001 to 999 .				
Ecom_BillTo000_Postal_Name_First	Text	15	Optional	The first name of the individual associated with the BillTo postal address.
Ecom_BillTo000_Postal_Name_Middle	Text	15	Optional	The middle name of the individual

				associated with the BillTo postal address.
Ecom_BillTo000_Postal_Name_Last	Text	30	Optional	The last name of the individual associated with the BillTo postal address.
Ecom_BillTo000_Postal_Name_Prefix	Text	4	Optional	The prefix or title associated with the current name. Examples include: Mr., Mrs., Ms., Dr., etc...
Ecom_BillTo000_Postal_Name_Company	Text	30	Optional	The company name associated with the BillTo postal address.
Ecom_BillTo000_Postal_Street_Line1	Text	30	Conditional	The first line of street address information associated with the BillTo postal address. Required when using address verification service (AVS).
Ecom_BillTo000_Postal_Street_Line2	Text	30	Optional	The second line of street address information associated with the BillTo postal address.
Ecom_BillTo000_Postal_Street_Line3	Text	30	Optional	The third line of street address information associated with the BillTo postal address.
Ecom_BillTo000_Postal_City	Text	30	Optional	The city associated with the BillTo postal address.
Ecom_BillTo000_Postal_StateProv	Text	30	Optional	The state/province associated with the BillTo postal address.
Ecom_BillTo000_Postal_PostalCode	Text	14	Conditional	The postal code associated with the BillTo postal address. Required when using address verification service (AVS).
Ecom_BillTo000_Postal_CountryCode	Text	2	Conditional	The country code associated with the BillTo postal address. Valid values must match the ISO 3166 standard two-letter codes for country names. Required when using address verification service (AVS).
Ecom_BillTo000_Telecom_DayPhone	Text	20	Optional	The daytime phone number associated with the BillTo entity.
Ecom_BillTo000_Telecom_EvePhone	Text	20	Optional	The evening phone number associated with the BillTo entity.
Ecom_BillTo000_Telecom_Fax	Text	20	Optional	The fax number associated with the BillTo entity.
Ecom_BillTo000_Online_Email	Text	60	Optional	The e-mail address associated with the BillTo entity.
ORDER SHIPTO PARAMETERS				NOTE: In the following section, the 000 in "ShipTo000" contains a unique identifier for each order returned by the Utility. Valid values range from 001 to 999 .
Ecom_ShipTo000_Postal_Name_First	Text	15	Optional	The first name of the individual associated with the ShipTo postal address.
Ecom_ShipTo000_Postal_Name_Middle	Text	15	Optional	The middle name of the individual associated with the ShipTo postal address.
Ecom_ShipTo000_Postal_Name_Last	Text	30	Optional	The last name of the individual associated with the ShipTo postal address.
Ecom_ShipTo000_Postal_Name_Prefix	Text	4	Optional	The prefix or title associated with the current name. Examples include: Mr., Mrs., Ms., Dr., etc...
Ecom_ShipTo000_Postal_Name_Company	Text	30	Optional	The company name associated with the ShipTo postal address.
Ecom_ShipTo000_Postal_Street_Line1	Text	30	Optional	The first line of street address information associated with the ShipTo postal address.
Ecom_ShipTo000_Postal_Street_Line2	Text	30	Optional	The second line of street address information associated with the ShipTo postal address.
Ecom_ShipTo000_Postal_Street_Line3	Text	30	Optional	The third line of street address

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				information associated with the ShipTo postal address.
Ecom_ShipTo000_Postal_City	Text	30	Optional	The city associated with the ShipTo postal address.
Ecom_ShipTo000_Postal_StateProv	Text	30	Conditional	The state/province associated with the ShipTo postal address. Required for proper tax calculation when using either the AssureBuy or TaxWare tax calculation service.
Ecom_ShipTo000_Postal_PostalCode	Text	14	Conditional	The postal code associated with the ShipTo postal address. Required for proper tax calculation when using either the AssureBuy or TaxWare tax calculation service.
Ecom_ShipTo000_Postal_CountryCode	Text	2	Conditional	The country code associated with the ShipTo postal address. Valid values must match the ISO 3166 standard two-letter codes for country names. Required for proper tax calculation when using either the AssureBuy or TaxWare tax calculation service.
Ecom_ShipTo000_Telecom_DayPhone	Text	20	Optional	The daytime phone number associated with the ShipTo entity.
Ecom_ShipTo000_Telecom_EvePhone	Text	20	Optional	The evening phone number associated with the ShipTo entity.
Ecom_ShipTo000_Telecom_Fax	Text	20	Optional	The fax number associated with the ShipTo entity.
Ecom_ShipTo000_Online_Email	Text	60	Optional	The e-mail address associated with the ShipTo entity.
ORDER SHIPFROM PARAMETERS				NOTE: In the following section, the 000 in "ShipFrom000" contains a unique identifier for each order returned by the Utility. Valid values range from 001 to 999 .
Ecom_ShipFrom000_Location_ID	Text	20	Optional	The ShipFrom location ID for the current transaction.
Ecom_ShipFrom000_Location_Company	Text	30	Optional	The company name associated with the ShipFrom location address.
Ecom_ShipFrom000_Location_Street_Line1	Text	30	Optional	The first line of street address information associated with the ShipFrom location address.
Ecom_ShipFrom000_Location_Street_Line2	Text	30	Optional	The second line of street address information associated with the ShipFrom location address.
Ecom_ShipFrom000_Location_Street_Line3	Text	30	Optional	The third line of street address information associated with the ShipFrom location address.
Ecom_ShipFrom000_Location_City	Text	30	Optional	The city associated with the ShipFrom location address.
Ecom_ShipFrom000_Location_StateProv	Text	30	Conditional	The state/province associated with the ShipFrom location address. Required for proper tax calculation when using the TaxWare tax calculation service.
Ecom_ShipFrom000_Location_PostalCode	Text	14	Conditional	The postal code associated with the ShipFrom location address. Required for proper tax calculation when using the TaxWare tax calculation service.
Ecom_ShipFrom000_Location_CountryCode	Text	2	Conditional	The country code associated with the ShipFrom location address. Valid values must match the ISO 3166 standard two-letter codes for country names. Required for proper tax calculation when using the TaxWare tax calculation service.
ORDER COST PARAMETERS				NOTE: In the following section, the 000 in "Order000" contains a unique identifier for each order returned by

				the Utility. Valid values range from 001 to 999 .
Ecom_Order000_Cost_SubTotal	Number	12	Yes	This parameter returns the item sub-total of the items on this order.
Ecom_Order000_Cost_Tax	Number	12	Yes	This parameter returns the sales tax associated with the current order.
Ecom_Order000_Cost_VATTax	Number	12	Yes	This parameter returns the VAT tax associated with the current order.
Ecom_Order000_Cost_AlternateTax	Number	12	Optional	This parameter returns the alternate tax associated with the current order.
Ecom_Order000_Cost_Duty	Number	12	Optional	This parameter returns the duty amount associated with the current order.
Ecom_Order000_Cost_Discount	Number	12	Optional	This parameter returns the discount amount associated with the current order.
Ecom_Order000_Cost_DiscountPercent	Number	12	Optional	The discount percent associated with the discount amount for the current order. The default value is 0.00 .
Ecom_Order000_Cost_Shipping	Number	12	Conditional	This parameter returns the shipping and handling cost associated with the current order.
Ecom_Order000_Cost_Tip	Number	12	Yes	This parameter returns the tip/gratuity associated with the current order.
Ecom_Order000_Cost_Total	Number	12	Yes	This parameter returns the total payment associated with the current order.
Ecom_Order000_Cost_AmountPaid	Number	12	Yes	This parameter contains the total amount approved for the current transaction. If the transaction is not approved, this value will be set to 0.00 .
ORDER USER-DEFINED PARAMETERS				
				NOTE: In the following section, the 000 in "Order000" contains a unique identifier for each order returned by the Utility. Valid values range from 001 to 999 .
Ecom_Order000_UserDefined_Count	Number	3	Optional	This parameter contains the number of user-defined order items for this order. Valid values are 0 through 999.
Ecom_Order000_UserDefined000	Text	50	Optional	This set of parameters contains any user-defined customer data collected as part of the order. The numeric suffix must be 3-digits, from 001 to 999.
ORDER PRODUCT PARAMETERS				
				NOTE: Up to 999 line items may be attached to each order. The product parameters for each line item must contain a unique identifier between 001 and 999 . This unique identifier must be inserted in the parameter names in place of the 000 below.
Ecom_Order000_ProductCount	Number	3	Yes	This parameter contains the number of product detail lines returned for this order.
Ecom_Order000_Product000_LineNum	Number	9	Optional	This parameter contains the item price for the specified product. The price is adjusted by the unique price adjustment factor established for your AssureBuy account. See your account representative for more details.
Ecom_Order000_Product000_SKU	Text	20	Optional	This parameter contains the SKU or seller-assigned Item Number for the specified product.
Ecom_Order000_Product000_ItemDesc	Text	50	Optional	This parameter contains the item description for the specified product.

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Ecom_Order000_Product000_ItemCategory	Text	20	Optional	This parameter contains the item product category for the specified product.
Ecom_Order000_Product000_Quantity	Number	12	Optional	This parameter contains the quantity ordered for the specified product.
Ecom_Order000_Product000_UOM	Text	3	Optional	This parameter contains the Unit of Measure for the specified product. The default value is EA .
Ecom_Order000_Product000_TaxAmount	Number	12	Optional	This parameter contains the tax amount associated with the specified item. If the AssureBuy tax calculation service is used, this value will be calculated automatically.
Ecom_Order000_Product000_TaxRate	Number	12	Optional	The tax rate associated with the calculated tax for the specified item. If not supplied, the rate will be calculated by dividing the tax amount by the line item total.
Ecom_Order000_Product000_TaxCode	Text	4	Optional	The 4-digit tax category code associated with the specified item.
Ecom_Order000_Product000_DiscountAmount	Number	12	Optional	This parameter contains the discount amount associated with the specified item. This value should be expressed as a positive number and will be deducted from the total amount for this item. This value is an aggregate line item amount and is not multiplied by the item quantity. The value cannot be larger than the line item amount.
Ecom_Order000_Product000_MinQuantity	Number	12	Optional	This parameter contains the minimum order quantity for this item. This parameter is used for optional product information validation.
Ecom_Order000_Product000_ItemWeight	Number	12	Optional	This parameter contains the per item unit weight for the specified product.
Ecom_Order000_Product000_TaxFlag	Text	1	Optional	This parameter contains a flag to indicate whether or not this product is taxable. Valid values include: Y = Yes (default) N = No
Ecom_Order000_Product000_TaxExemptFlag	Text	1	Optional	This parameter contains a flag to indicate whether or not this product is tax exempt for the current customer. Valid values include: Y = Yes N = No (default)
Ecom_Order000_Product000_ReturnedItemFlag	Text	1	Optional	This parameter contains a flag to indicate whether or not this product is a returned item. The default value is Y for transactions with a payment action of C , R , and X . Otherwise, the default value is N . Valid values include: Y = Yes N = No NOTE: The setting of this parameter is for informational purposes and is used only when sending Level 3 purchase information to card processing networks. It is not used by the AssureBuy automatic order calculation system.
Ecom_Order000_Product000_ShipFlag	Text	1	Optional	This parameter contains a flag to indicate whether or not this product is shippable. Valid values include: Y = Yes (default) N = No

Ecom_Order000_Product000_ReferenceFlag	Text	1	Optional	This parameter contains a flag to indicate whether or not this line item has been included for reference purposes only. Valid values include: Y = Yes N = No
Ecom_Order000_Product000_RecurringFlag	Text	1	Optional	This parameter contains a flag to indicate whether or not this product is part of a recurring order. Valid values include: Y = Yes N = No (default) NOTE: If the order is a recurring order, the sum of all products with the Ecom_Product000_RecurringFlag set to Y must equal the value in the Ecom_Order_Recurring_Amount parameter.
Ecom_Order000_Product000_DownloadFlag	Text	1	Optional	This parameter contains a flag to indicate whether or not this product is a digital delivery or download item. Valid values include: Y = Yes N = No (default)
Ecom_Order000_Product000_DownloadFile	Text	255	Optional	This parameter contains the filename of the file(s) to be delivered for this item.
Ecom_Order000_Product000_DownloadDesc	Text	120	Optional	This parameter contains the description to be used on the download link for the on-line product download.
ORDER PRODUCT USER-DEFINED PARAMETERS				
Ecom_Order000_Product000_UserDefined_Count	Number	3	Optional	This parameter should contain the maximum number of user-defined order detail items for this seller. Valid values are 0 through 999.
Ecom_Order000_Product000_UserDefined000	Text	50	Optional	This set of parameters should contain any user-defined product data collected or associated with the product identified by the Product000 portion of the parameter name. The numeric suffix must be 3-digits, from 001 to 999. The parameters do not need to be passed or used in order. The default value for each is NULL .
ORDER RECURRING PARAMETERS				
Ecom_Order000_Recurring_Amount	Number	12	Optional	NOTE: In the following section, the 000 in "Order000" contains a unique identifier for each order returned by the Utility. Valid values range from 001 to 999 . This parameter is used to indicate that the order is to be treated as a recurring order. If this parameter is present and is greater than zero, then the order will be treated as a recurring order. The default value is 0.00 .
Ecom_Order000_Recurring_Cycle	Text	1	Optional	This parameter contains the recurring order cycle code. Valid values include: D = Daily W = Weekly M = Monthly Q = Quarterly Y = Yearly The default value is NULL .
Ecom_Order000_Recurring_Period	Number	3	Optional	This parameter contains the number

				of periods for each cycle. Valid values are 1 – 999 . The default value is 1 .
Ecom_Order000_Recurring_Termination	Date	8	Optional	This parameter contains the date on which recurring orders will terminate. The data must contain the following format: MMDDYYYY . The default value is NULL .
ORDER PAYMENT PARAMETERS				
Ecom_Order000_TransactionCount	Number	3	Yes	This parameter contains the number of payment transactions returned for this order.
Ecom_Order000_Payment000_Action	Text	1	Yes	This parameter holds the action to be performed for the current transaction. Valid values include: A = Authorization E = Execute/Settle Transaction S = Sale C = Refund R = Reversal (Not Support By All Processors) V = Void X = Chargeback F = Force Sale
Ecom_Order000_Payment000_Type	Text	2	Yes	This parameter identifies the type of payment associated with the current transaction. Valid values include: AM = American Express BR = Bravo CB = Carte Blanche CK = Check CO = C.O.D. CS = Cash CT = Gift Certificate/Coupon DC = Diners Club DI = Discover EC = EuroCard FT = Funds Transfer/ACH GT = Giveaway/Promotion IN = Invoice JC = JCB Card MC = MasterCard MO = Money Order OP = Optima PO = Purchase Order VI = Visa
Ecom_Order000_Payment000_CardType	Text	1	Optional	This parameter indicates the type of payment card used for the transaction. Valid values include: 0 = Not a commercial card 1 = Purchasing card 2 = Corporate card 3 = Business card 4 = Unknown (default)
Ecom_Order000_Payment000_Number	Text	20	Conditional	This parameter holds the number associated with the current payment type. This parameter is required when the Ecom_Payment_Type parameter contains one of the following values: AM, BR, CB, CK, DC, DI, EC, FT, JC, MC, MO, OP, PO, VI
Ecom_Order000_Payment000_TransDate	Date	15	Yes	This parameter contains the date of the current transaction in the format MMDDYYYY HHMMSS .
Ecom_Order000_Payment000_TransAmount	Number	12	Yes	This parameter contains the amount of the current transaction.
Ecom_Order000_Payment000_CardPresent	Text	1	Optional	This parameter is used to indicate whether or not the payment card

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				used was present at the time of the transaction. Valid values are: Y = Yes N = No (default)
Ecom_Order000_Payment000_CustomerPresent	Text	1	Optional	This parameter is used to indicate whether or not the customer was present at the time of the transaction. Valid values are: Y = Yes N = No (default)
Ecom_Order000_Payment000_ExpDate_Day	Number	2	Optional	The day portion of the payment expiration date. Valid values are 1 – 31 . The default value is the last valid day for the month and year entered.
Ecom_Order000_Payment000_ExpDate_Month	Number	2	Conditional	The month portion of the payment expiration date. Valid values are 1 – 12 . This parameter is required when the Ecom_Payment_Type parameter contains one of the following values: AM, BR, CB, DC, DI, EC, JC, MC, OP, VI
Ecom_Order000_Payment000_ExpDate_Year	Number	4	Conditional	The year portion of the payment expiration date. Valid values are 0001 – 9999 (always 4 digits). This parameter is required when the Ecom_Payment_Type parameter contains one of the following values: AM, BR, CB, DC, DI, EC, JC, MC, OP, VI
Ecom_Order000_Payment000_PayerName	Text	30	Conditional	This parameter holds the name of the payer for the current transaction. This parameter is required when the Ecom_Payment_Type parameter contains one of the following values: CK, FT, MO
Ecom_Order000_Payment000_BankCode	Text	9	Conditional	The bank ABA or SWIFT code used to identify the purchaser's bank. This value is required when the Ecom_Payment_Type is FT .
Ecom_Order000_Payment000_POS_EntryMode	Number	1	Optional	The mode used to acquire the account number and expiration date for the current transaction. Valid values include: 0 = Unknown (default) 1 = Track 1 Data (default when Track 1 data is sent) 2 = Track 2 Data (default when Track 2 data is sent) 3 = Manually Keyed
Ecom_Order000_Payment000_POS_TerminalType	Number	1	Optional	The type of device used to acquire the account number and expiration date for the current transaction. Valid values include: 0 = Unknown (default) 1 = Terminal 2 = Register 3 = Other
Ecom_Order000_Payment000_POS_SwipeCapability	Text	1	Optional	A flag indicating whether or not the device used to acquire the account number and expiration date for the current transaction has swipe capability. Valid values include: Y = Yes N = No (default)
Ecom_Order000_Payment000_POS_Track1	Text	80	Optional	The data stream as swiped from Track 1 of a credit card. This parameter, when supplied, will overwrite the values sent for

				Ecom_Payment_Number, Ecom_Payment_ExpDate_Month, Ecom_Payment_ExpDate_Year, and Ecom_Payment_PayerName.
Ecom_Order000_Payment000_POS_Track2	Text	40	Optional	The data stream as swiped from Track 2 of a credit card. This parameter, when supplied, will overwrite the values sent for Ecom_Payment_Number, Ecom_Payment_ExpDate_Month, and Ecom_Payment_ExpDate_Year.
Ecom_Order000_Payment000_ACH_AccountIndicator	Text	1	Conditional	The bank account indicator value for the current transaction. This value is required when using the AssureBuy ACH payment service and the Ecom_Payment_Type is FT. Valid values are: C = Checking Account S = Savings Account
Ecom_Order000_Payment000_ACH_AccountType	Text	1	Conditional	The bank account type associated with the current transaction. This value is required when using the AssureBuy ACH payment service and the Ecom_Payment_Type is FT. Valid values are: B = Business Account P = Personal Account
Ecom_Order000_Payment000_RetrievalNumber	Text	12	Optional	This parameter is used to hold a retrieval number associated with charge reversal actions. The default value is NULL .
Ecom_Order000_Payment000_OriginalTransaction	Number	9	Conditional	This parameter contains the transaction number of the original transaction to be associated with the current transaction. If this parameter is set and the original transaction is valid, then the current transaction will be added to the same order as the original transaction and no new order will be created. This parameter is required when the Ecom_Payment_Action parameter contains one of the following values: E, R, V, F .
Ecom_Order000_Payment000_ApprovalCode	Text	20	Conditional	This parameter contains the approval code to be manually assigned to the current transaction. This parameter is required when the Ecom_Payment_Action parameter is set to F .
Ecom_Order000_Payment000_ConfirmPhone	Text	20	Conditional	This parameter contains the phone number to be dialed for an Authenticate transaction. This parameter is required if the Authenticate service is being used. See your account representative for more information about the Authenticate service.
Ecom_Order000_Payment000_ConfirmValue	Text	20	Conditional	This parameter contains the Authenticate transaction confirmation value used to validate the transaction. This parameter is required if the Authenticate service is being used. See you account representative for more information about the Authenticate service.
Ecom_Order000_Payment000_VPASTransID	Text	40	Optional	This parameter contains the VPAS authentication number previously sent to the password authentication

				service.
ORDER TRANSACTION PARAMETERS				
Ecom_Order000_Trans000_Result	Text	1	Yes	This parameter contains the result of the requested payment action. Valid values include: Y = Approved N = Declined V = Void D = Manual Decline C = Auto Cancel (Fraud System) E = Expired H = Hold/Pending
Ecom_Order000_Trans000_AlternateResult	Text	120	Optional	This parameter may optionally contain a seller specific custom configured alternate result code based on the current transaction result.
Ecom_Order000_Trans000_Number	Number	9	Yes	This parameter contains a unique 10-digit transaction number as assigned by AssureBuy.
Ecom_Order000_Trans000_Action	Text	1	Yes	This parameter returns the requested action to be performed for the current transaction. Valid values include: A = Authorization S = Sale R = Refund X = Chargeback
Ecom_Order000_Trans000_AuthDate	Date	15	Yes	This parameter contains the date the payment authorization was obtained in the format MMDDYYYY HHMMSS .
Ecom_Order000_Trans000_AuthCode	Text	20	Conditional	This parameter contains the actual authorization code as returned by the payment processing network.
Ecom_Order000_Trans000_AVS_Address	Text	1	Conditional	This parameter contains the result of the AVS test on the address portion of the payee information. Valid values include: Y = Address matches N = Address does not match U = AVS service not available
Ecom_Order000_Trans000_AVS_Zip	Text	1	Conditional	This parameter contains the result of the AVS test on the postal code portion of the payee information. Valid values include: Y = Postal code matches N = Post code does not match U = AVS service not available
Ecom_Order000_Trans000_CVVResponse	Text	4	Conditional	This parameter contains the result of the CVV2 validation as returned by the processor. Parameter values are determined by the processor.
Ecom_Order000_Trans000_Authenticate_ReturnCode	Text	1	Conditional	This parameter contains the return code from an Authenticate transaction. Valid values include: Y = Successful Authenticate validation N = Unsuccessful validation E = Authenticate error U = Authenticate service unavailable
Ecom_Order000_Trans000_Authenticate_ReturnValue	Text	4	Conditional	This parameter contains the actual Authenticate return value for the Authenticate transaction. Actual values are determined by Authenticate.
Ecom_Order000_Trans000_Authenticate_Date	Text	15	Conditional	This parameter contains the date and time of the Authenticate transaction in the format MMDDYYYY HHMMSS .
TRANSACTION FRAUD PARAMETERS				
Ecom_Order000_Trans000_Fraud_Flag	Text	1	Conditional	This parameter returns the response from the fraud tests performed for this order. Valid values include:

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				Y = Order may contain fraud N = Order has passed all fraud tests U = Fraud service unavailable
Ecom_Order000_Trans000_Fraud_Response	Text	120	Conditional	If the value of the Ecom_Trans_Fraud_Flag is set to Y , then this parameter will contain a list of 2-digit fraud watch codes to indicate the fraud tests which failed for the current transaction.
AS = Admin Session ID				
Ecom_AdminSessionID	Text	120	Conditional	If the action type is "AS" then this parameter will contain the admin session id.

Sample Response Parameter XML For Ecom_UTILITY_Action = OL, TL
(Not yet developed)

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</Order>
</Orders>
</ASSUREBUY.UTILRESPONSE>
```

Sample Response Parameter XML For Ecom_Utility_Action = VU, SU

```

<?xml version="1.0"?>
<!DOCTYPE ASSUREBUY.ECOMRESPONSE SYSTEM
    "http://docs.assurebuy.com/assurebuy\_ecomresponse\_44.dtd">
<ASSUREBUY.UTILRESPONSE
    USERID="" PASSWORD="">
    <Mode> </Mode>
    <GatewayVersion></GatewayVersion>
    <ReturnCode></ReturnCode>
    <SessionID></SessionID>
</ASSUREBUY.UTILRESPONSE>
```

Sample Response Parameter XML For Ecom_Utility_Action = AS

```

<?xml version="1.0"?>
<!DOCTYPE ASSUREBUY.ECOMRESPONSE SYSTEM
    "http://docs.assurebuy.com/assurebuy\_ecomresponse\_44.dtd">
<ASSUREBUY.UTILRESPONSE
    USERID="" PASSWORD="">
    <Mode> </Mode>
    <GatewayVersion></GatewayVersion>
    <ReturnCode></ReturnCode>
    <SessionID></SessionID>
    <AdminSessionID></AdminSessionID>
</ASSUREBUY.UTILRESPONSE>
```

Sample Response Parameter Name-Value Pair For Ecom_Utility_Action = VU, SU

Ecom_UserID=&Ecom_Password=&Ecom_Mode=&Ecom_GatewayVersion=&Ecom_ReturnCode=&Ecom_SessionID=

Sample Response Parameter Name-Value Pair For Ecom_Utility_Action = AS

Ecom_UserID=&Ecom_Password=&Ecom_Mode=&Ecom_GatewayVersion=&Ecom_ReturnCode=&Ecom_SessionID=&Ecom_AdminSessionID=

Error Responses

Parameter	Data Type	Max Length	Required	Description
ERROR PARAMETERS				
Ecom_Error_Code	Number	4	Optional	This parameter contains the 4-digit numeric error number associated with the error for the current request. Valid values range from 0001 to 9999 .
Ecom_Error_Description	Text	50	Optional	This parameter contains the description associated with the error for the current request.

Sample Error Response Parameter XML For Ecom_Utility_Action = VU

(XML formatted response for Ecom_Utility_Action = OL, TL has not been developed.)

```

<!DOCTYPE ASSUREBUY.ECOMRESPONSE SYSTEM
http://docs.assurebuy.com/assurebuy\_ecomresponse\_44.dtd>
<ASSUREBUY.UTILRESPONSE
  USERID="" PASSWORD="">
  <Mode></Mode>
  <GatewayVersion></GatewayVersion>
  <ReturnCode></ReturnCode>
  <SessionID></SessionID>
  <Error>
    <Code></Code>
    <Description> </Description>
  </Error>
</ASSUREBUY.UTILRESPONSE>

```

Sample Error Response Parameter Name-Value Pair For Ecom_Utility_Action = OL, TL, VU

Ecom_UserID=&Ecom_Password=&Ecom_Mode=&Ecom_GatewayVersion=&Ecom_ReturnCode=&Ecom_SessionID=&Ecom_OrderCount=&Ecom_Error_Code=&Ecom_Error_Description=

Error Codes

Error Code	Description
0174	System currently unavailable.
0175	Internal communications error.
0181	Internal gateway error.
0187	System timeout, try again.
4011	User ID not found or invalid.
4012	User account is suspended.
4013	Invalid password.
4014	Password expired.
4018	Unable to obtain new session id.
5101	Missing or invalid HTTP Content-type.
5102	No HTTP post data received.
5110	Unable to parse XML input data.
5111	Missing or invalid User ID.

5112	Missing or invalid Password.
5113	Invalid user account.
5114	User account suspended or no longer active.
5118	Invalid operating mode for payment gateway.
5120	Missing or invalid gateway version.
5121	Gateway version no longer supported.
5141	Missing or invalid response type.
5142	Missing or invalid Post URL.
5901	Missing or invalid utility action.
5902	Missing or invalid transaction number start.
5903	Missing or invalid transaction number end.
5904	Missing or invalid transaction start date.
5905	Missing or invalid transaction end date.
5906	Missing or invalid search criteria.
5907	Invalid Max Records value.
5908	Invalid Index Indicator.
5909	Missing or invalid function.
5910	Missing or invalid user id.
5911	Missing or invalid password.
5912	Missing or invalid first name.
5913	Missing or invalid last name.
5914	Missing or invalid email address.
5915	User ID all ready on file.
5916	User ID is not available.
5917	Unable to add user.
5918	Unable to add seller account.
5919	Unable to add user account.
5920	Unable to update user record.
5921	Unable to delete user record.
5922	Missing or invalid ship date.
5923	Missing or invalid order number.
5924	Missing or invalid ActShipMethod.
5925	Missing or invalid ShipTrackingID.
5926	Missing or invalid ShipEnteredBy.
5927	Order number not on file.
5928	Missing or invalid update criteria.
5929	Missing or invalid admin user id.
5930	Missing or invalid admin user password.
5931	Missing or invalid IP address.
5932	Missing or invalid admin user parameter.
5933	Missing or invalid user function.
5934	Missing or invalid user id.
5935	Missing or invalid user password.
5936	Missing or invalid user name.
5937	Missing or invalid user access level.
5938	Missing or invalid user email address.
5939	Missing or invalid user seller id.
5940	Missing or invalid database mode.
5941	Admin user does not have admin user level access.
5942	Missing or invalid default style.
5943	Missing or invalid retry count.
5944	Missing or invalid mask flag.

5945	Unable to locate any seller for admin user.
5946	Admin user does not have access to the seller(s).
5947	Unable to update admin user.
5948	Unable to add seller record for the new admin user.
5949	UserID unavailable.

UPGRADE CONSIDERATIONS

If you are upgrading from a previous version of the AssureBuy Utility, you may need to make certain changes to your interface in order for the system to function properly. You may use the following summary as a guide to understanding which changes are required for your particular implementation of the system. This section lists only changes that affect the input/output parameters and the functional aspects of the AssureBuy Utility.

Version 4.0-09/26/2005

Parameter Changes

1. The ShippingUpdate section has been added to the Utility section for ShippingUpdate maintenance. See Input Parameters section for more detail.
2. The AdminUsers section has been added to the Utility section for Admin User maintenance. See Input Parameters section for more detail.
3. The AdminSessionID section has been added to the Utility section for AdminSessionID maintenance. See Input Parameters section for more detail.

ErrorCodes Changes

1. New error codes 5922-5949 have been added for the new release. See Error Codes section for more detail.
2. New error codes 4011-4014 and 4018 have been added for the new release. See Error Codes section for more detail.

Functionality Changes

NONE

Version 4.4 – 04/08/2005

Parameter Changes

1. The **MaxRecords** parameter has been added to the **SearchCriteria** section.
2. The **IndexIndicator** parameter has been added to the **SearchCriteria** section.
3. The **TransactionStartDate** parameter has been added to the **SearchCriteria** section.
4. The **TransactionEndDate** parameter has been added to the **SearchCriteria** section.
5. The **User** section has been added to the Utility section for View'n Pay user maintenance. See Input Parameters section for more detail.

ErrorCodes Changes

1. New error codes 5904-5921 have been added for the new release. See Error Codes section for more detail.

Functionality Changes

1. **MaxRecords** parameter has been added to retrieve desired number of payments from the utility.

2. **IndexIndicator** parameter has been added. The input value of this parameter is the AssureBuy assigned **TransactionID**. The **IndexIndicator** will be used to retrieve transaction payment with higher **TransactionID**.
3. **TransactionStartDate** and **TransactionEndDate** parameters have been added to limit the search by date.
4. **SellerOrderID** and **AssureBuy Order Number** has been added to the **AlternateResult** field.
5. “**VU**” action type has been added for the View'n Pay user maintenance.

Version 4.5 – 04/17/2006

Parameter Changes

1. Utility has been updated for release version 4.5 of the AssureBuy Payment Gateway. It will support version 4.5 of the gateway version.
2. The admin session id section (AS) has been added to the utility. See Input Parameters section for more detail.
3. The shipping information update section (SU) has been added to the utility. See input parameters section for more detail.
4. The following parameters have been added to the response string for “OL” and “TL” utility actions:

Ecom_Invoice_PeriodStart
Ecom_Invoice_PeriodEnd
Ecom_Invoice_PreviousBillingDate
Ecom_Invoice_PreviousInvoiceBalance
Ecom_Invoice_DueDate
Ecom_Invoice_NotificationFlag
Ecom_Invoice_InvoiceType
Ecom_Invoice_Template
Ecom_Payment_POS_EntryMode
Ecom_Payment_POS_TerminalType
Ecom_Payment_POS_SwipeCapability
Ecom_Payment_POS_Track1
Ecom_Payment_POS_Track2
Ecom_Order_Cost_DiscountPercent
Ecom_Order_Product000_ReferenceFlag

ErrorCodes Changes

1. NONE

Functionality Changes

1. BUG FIX: If **Ecom_Mode** is not passed, the utility will return an error (5118).

Version 4.6 – 07/17/2006

Parameter Changes

1. Utility has been updated for release version 4.6 of the AssureBuy Payment Gateway. It will support version 4.6 of the gateway version.

ErrorCodes Changes

1. NONE

Functionality Changes

1. NONE