


Authorize.Net[®]

 Your Gateway to IP Transactions[™]

Merchant Web Services API Automated Recurring Billing[™] (ARB) SOAP Guide

Authorize.Net Developer Support
<http://developer.authorize.net>

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Revision History

PUBLISH DATE	UPDATES
September 2007	Initial release of the Automated Recurring Billing (ARB) API for SOAP

Section 1

Developer Introduction

This guide describes the Web development required to submit Automated Recurring Billing™ (ARB), or subscription-based, payments to the Authorize.Net Payment Gateway directly from a Web site or other application using Simple Object Access Protocol (SOAP).

SOAP provides a standards-based mechanism to access Web services from a wide range of platforms. Typically, clients access the Web services using a SOAP client on their respective programming environment. The SOAP client typically generates the native objects and interfaces based on a Web Services description Language (WSDL) that is published by Authorize.Net. The client application initializes the local object and invokes the method as if it is calling a local procedure. The SOAP client handles the generation and parsing of the underlying extensible markup language (XML) documents that form the basis of the SOAP protocol.

Specifically, the Authorize.Net ARB Application Programming Interface (API) provides a mechanism for developers and value added resellers (VARs) to create, update and cancel ARB subscriptions via direct integration between client software or applications and the Authorize.Net Payment Gateway.

A subscription is a set of multiple transactions, or payments, created for the purchase of a subscription-based product or service or for an installment-based payment plan. Payments for the subscription are then generated by the payment gateway at later dates based on a specified payment schedule and subscription duration.

The behavior of the ARB API is the same as when a merchant creates, updates, and cancels ARB subscriptions in the Merchant Interface. When a merchant creates a subscription in the Merchant Interface, they enter all required information (customer payment information, subscription interval and duration, etc.) into the Create New ARB Subscription form. When the merchant submits the information, the Subscription Confirmation page returns a message to the merchant regarding whether or not the subscription was created successfully. The subscription ID assigned for a successfully created subscription is also displayed.

The ARB API accomplishes these same functions through an XML call and subsequent XML response. Whether a subscription is created in the Merchant Interface or through the ARB API, the results are the same.

Note: You may want to log into the Merchant Interface to step through the manual ARB process. You can request a developer test account from our Integration Center at <http://developer.authorize.net/testaccount>. Be sure to include in the comments section that you need the ARB feature enabled for your test account. If you already have a test account, please email integration@authorize.net to request that ARB be enabled for your test account.

Please refer to specific SOAP client documentation for details on how to consume SOAP based Web services.

Minimum Requirements

Before you begin ARB integration for an Authorize.Net Payment Gateway account, please check with the merchant to make sure that the following minimum requirements have already been met.

- **The merchant must have a merchant bank account that allows Internet transactions.**
- **The merchant must have an active Authorize.Net Card Not Present Payment Gateway account.**
- **The merchant must be signed up for the Authorize.Net ARB service.**
- **The merchant must store account authentication data securely (for example, API login ID, transaction key).**

Note: Merchants should avoid storing any type of sensitive cardholder information. However, in the event that a merchant or third party must store sensitive customer business or payment information, compliance with industry standard storage requirements is required. Please see the *Developer Security Best Practices White Paper* at <http://www.authorize.net/files/developerbestpractices.pdf> for guidelines.

Developer Support

There are several resources available to help you successfully integrate a merchant Web site or other application to the Authorize.Net Payment Gateway.

- The Integration Center at <http://developer.authorize.net> provides test accounts, sample code, FAQs, and troubleshooting tools.
- If you can't find what you need in the Integration Center, our Integration Team is available to answer your questions via email at integration@authorize.net.
- Be sure to read our *Developer Security Best Practices White Paper* at <http://www.authorize.net/files/developerbestpractices.pdf> for information on how to maximize the security and reliability of your merchant integration solutions.

If you have any suggestions about how we can improve or correct this guide, please email documentation@authorize.net.

Section 2

Executing an API Call

The following sections describe the minimum requirements for executing an API call for an ARB subscription request using SOAP.

There are two options for developing the subscription request script:

- + You may develop a custom script yourself using the API fields information in this document, OR
- + You may use Authorize.Net sample code in C# and Java available for free from our Integration Center at <http://developer.authorize.net/samplecode>.

Note: If you choose to use Authorize.Net sample code, please be aware that in order to achieve a successful implementation it **must** be modified with the merchant's specific payment gateway account information.

ARB API URLs

ITEM	LOCATION
Web Service URL in Production	https://api.authorize.net/soap/v1/Service.asmx
Web Service URL in Developer Test	https://apitest.authorize.net/soap/v1/Service.asmx
WSDL	https://api.authorize.net/soap/v1/Service.asmx?WSDL

Note: The Developer Test URL requires the use of a developer test payment gateway account. You can request a test account from our Integration Center at <http://developer.authorize.net/testaccount>. Developer test accounts cannot be used to test against the Production URL. Similarly, production accounts cannot be used to test against the Developer Test URL. Please ensure you are using the correct account for the URL to which you are posting.

ARB Subscription Functions

The ARB API includes the following functions:

- ARBCreateSubscriptionRequest
- ARBUpdateSubscriptionRequest
- ARBCancelSubscriptionRequest

Each API submission may contain only one ARB request. Including more than one request per submission will result in an error.

The following sections provide information about the input parameters required for executing the functions listed above. Indentations in the Parameter column indicate grouping hierarchy. **All parameters are case sensitive and must be submitted in the order listed here. Parameters are required unless otherwise indicated. Optional parameters should not be submitted unless they contain valid values.**

Note: Parameters required for individual API calls are in addition to the authentication parameters required for all API calls.

Authentication

All Web services calls must be authenticated to ensure they originate from authorized sources. This implementation of the merchant Web services API supports authentication using the API Login ID and Transaction Key.

PARAMETER	VALUE	TYPE/FORMAT	NOTES
merchantAuthentication	Contains merchant unique information for purposes of authentication	MerchantAuthentication Type	
name	The valid API Login ID for the developer test or merchant account	20	Submit the API Login ID used to submit transactions.
transactionKey	The valid Transaction Key for the developer test or merchant account	16	Submit the Transaction Key obtained from the Merchant Interface.

Example of Authentication with the Login ID and Transaction Key

The authentication information with the merchant's Login ID and Transaction Key is sent in SOAP body, as shown below:

```
<soap:Body>
  <FunctionName xmlns="https://api.authorize.net/soap/v1/">
    <merchantAuthentication>
      <name>API Login ID here</name>
      <transactionKey>Transaction Key here</transactionKey>
    </merchantAuthentication>
    Additional required parameters here
  </FunctionName>
</soap:Body>
```

Note: The sample code included in this document uses dummy field values. When using or testing sample code, be sure to enter valid field values. Additional sample code is available for download from the Authorize.Net Integration Center at <http://developer.authorize.net/samplecode>.

Input Parameters for ARBCreateSubscriptionRequest

The following table lists the input parameters for executing an API call to the ARBCreateSubscriptionRequest function, in addition to the authentication parameters. Indentations in the Parameter column indicate grouping hierarchy. **All parameters are case sensitive and must be submitted in the order listed here. Parameters are required unless otherwise indicated. Optional parameters should not be submitted unless they contain valid values.**

PARAMETER	VALUE	TYPE/FORMAT	NOTES
subscription	Contains information about the subscription	ARBSubscriptionType	
name	Merchant-assigned name for the subscription <i>Optional</i>	Up to 20 characters	
paymentSchedule	Contains information about the payment schedule	PaymentScheduleType	
interval	Contains information about the interval of time between payments	PaymentScheduleTypeInterval	
length	The measurement of time, in association with the Interval Unit, that is used to define the frequency of the billing occurrences	Up to 3 digits If the Interval Unit is "months," can be any number between one (1) and 12. If the Interval Unit is "days," can be any number between seven (7) and 365.	
unit	The unit of time, in association with the Interval Length, between each billing occurrence	ARBSubscriptionUnitEnum days, months	
startDate	The date the subscription begins (also the date the initial billing occurs)	YYYY-MM-DD	
totalOccurrences	Number of billing occurrences or payments for the subscription	Up to 4 digits	To indicate a subscription with no end date (an ongoing subscription), this field must be submitted with a value of "9999." If a trial period is specified, this number should

			include the Trial Occurrences.
trialOccurrences	Number of billing occurrences or payments in the trial period <i>Optional</i>	Up to 2 digits	If a trial period is specified, this number must be included in the Total Occurrences.
amount	The amount to be billed to the customer for each payment in the subscription	Up to 15 digits	If a trial period is specified, this is the amount that will be charged after the trial payments are completed.
trialAmount	The amount to be charged for each payment during a trial period <i>Conditional</i>	Up to 15 digits	Required when trial occurrences is specified. Once the number of trial occurrences for the subscription is complete, the regular amount will be charged for each remaining payment.
payment	Contains either the customer's credit card or bank account payment information	PaymentType	Can contain CreditCardType or BankAccountType
creditCard	Contains the customer's credit card information	CreditCardType	This parameter and its children should only be included when the payment method is credit card.
cardNumber	The credit card number used for payment of the subscription	13 to 16 digits	
expirationDate	The expiration date of the credit card used for the subscription	YYYY-MM	
cardCode	The three or four digit card code on the back of most credit cards, on the front for American Express <i>Optional</i>	3 or 4 digits	This parameter should only be included when the merchant is using the Card Code Verification filter.
bankAccount	Contains the customer's bank	BankAccountType	This parameter and its children

	account information		should only be included when the payment method is bank account.
accountType	The type of bank account used for payment of the subscription	BankAccountTypeEnum checking, businessChecking, savings	
nameOnAccount	The full name of the individual associated with the bank account number	Up to 22 characters	
echeckType	The type of electronic check transaction used for the subscription	EcheckTypeEnum For checking or savings accounts, PPD or WEB For business checking accounts, CCD	
bankName	The name of the bank associated with the bank account number <i>Optional</i>	Up to 50 characters	
routingNumber	The routing number of the customer's bank	9 digits	
accountNumber	The bank account number used for payment of the subscription	5 to 17 digits	
order	Contains optional order information <i>Optional</i>	OrderType	
invoiceNumber	Merchant-assigned invoice number for the subscription <i>Optional</i>	Up to 20 characters	The invoice number will be associated with each payment in the subscription.
description	Description of the subscription <i>Optional</i>	Up to 255 characters	The description will be associated with each payment in the subscription.
customer	Contains information about the customer	CustomerType	
type	The type of customer, individual or business <i>Conditional</i>	CustomerTypeEnum business, individual	Required when the merchant is in the Wells Fargo SecureSource program AND the payment method is bank account.

id	Merchant-assigned identifier for the customer <i>Optional</i>	Up to 20 characters	
email	The customer's email address <i>Conditional</i>	Up to 255 characters	Required when the merchant is in the Wells Fargo SecureSource program.
phoneNumber	The customer's phone number <i>Conditional</i>	Up to 25 digits	Required when the merchant is in the Wells Fargo SecureSource program.
faxNumber	The customer's fax number <i>Optional</i>	Up to 25 digits	
driversLicense	Contains the customer's driver's license information <i>Conditional</i>	DriversLicenseType	Driver's license information is only required when the merchant is in the Wells Fargo SecureSource program, the payment method is bank account, AND tax ID is blank.
number	The customer's driver's license number	5 to 20 characters	Required if tax ID is blank.
dateOfBirth	The customer's driver's license date of birth	YYYY-MM-DD	Required if tax ID is blank.
state	The customer's driver's license state	2 characters Must be a valid state code	Required if tax ID is blank.
taxId	The customer's tax ID or social security number <i>Conditional</i>	9 digits	Required when the merchant is in the Wells Fargo SecureSource program, the payment method is bank account AND driver's license information is blank.
billTo	Contains the customer's billing address information		
firstName	The first name	Up to 50 characters	

	associated with the customer's billing address		
lastName	The last name associated with the customer's billing address	Up to 50 characters	
company	The company associated with the customer's billing address <i>Optional</i>	Up to 50 characters	
address	The customer's billing address <i>Conditional</i>	Up to 60 characters	Required when the merchant is in the Wells Fargo SecureSource program.
city	The city of the customer's billing address <i>Conditional</i>	Up to 40 characters	Required when the merchant is in the Wells Fargo SecureSource program.
state	The state of the customer's billing address <i>Conditional</i>	2 characters Must be a valid state code	Required when the merchant is in the Wells Fargo SecureSource program.
zip	The ZIP code of the customer's billing address <i>Conditional</i>	Up to 20 characters	Required when the merchant is in the Wells Fargo SecureSource program.
country	The country of the customer's billing address <i>Conditional</i>	Up to 60 characters Must be a valid two-character country code or full country name (spelled in English).	Required when the merchant is in the Wells Fargo SecureSource program.
shipTo	Contains the customer's shipping address information <i>Optional</i>		
firstName	The first name associated with the customer's shipping address	Up to 50 characters	
lastName	The last name associated with the customer's shipping	Up to 50 characters	

	address		
company	The company associated with the customer's shipping address	Up to 50 characters	
address	The customer's shipping address	Up to 60 characters	
city	The city of the customer's shipping address	Up to 40 characters	
state	The state of the customer's shipping address	Up to 40 characters	
zip	The ZIP code of the customer's shipping address	Up to 20 characters	
country	The country of the customer's shipping address	Up to 60 characters Must be a valid two-character country code or full country name (spelled in English).	

Example ARBCreateSubscriptionRequest

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ARBCreateSubscription
xmlns="https://api.authorize.net/soap/v1/">
      <merchantAuthentication>
        <name>API Login ID here</name>
        <transactionKey>Transaction Key here</transactionKey>
      </merchantAuthentication>
      <subscription>
        <name>subscription information</name>
        <paymentSchedule>
          <interval>
            <length>30</length>
            <unit>days</unit>
          </interval>
          <startDate>2007-12-01</startDate>
          <totalOccurrences>14</totalOccurrences>
          <trialOccurrences>2</trialOccurrences>
        </paymentSchedule>
        <amount>15.00</amount>
        <trialAmount>10.00</trialAmount>
        <payment>
          <creditCard>
            <cardNumber>6011000000000012</cardNumber>
            <expirationDate>2008-12</expirationDate>
          </creditCard>
        </payment>
      </subscription>
    </ARBCreateSubscription>
  </soap:Body>
</soap:Envelope>
```

```

        </payment>
        <billTo>
            <firstName>John</firstName>
            <lastName>Smith</lastName>
        </billTo>
    </subscription>
</ARBCreateSubscription>
</soap:Body>
</soap:Envelope> </ARBCreateSubscriptionRequest>
    
```

Note: The sample code included in this document uses dummy field values. When using or testing sample code, be sure to enter valid field values. Additional sample code is available for download from the Authorize.Net Integration Center at <http://developer.authorize.net/samplecode>.

Input Parameters for ARBUpdateSubscriptionRequest

The input parameters for a request to update an ARB subscription are the same as the create an ARB subscription function with the following addition and exceptions. **All parameters are case sensitive and must be submitted in the order listed here. Parameters are required unless otherwise indicated. Optional parameters should not be submitted unless they contain valid values.**

- + The subscriptionID of the subscription to be updated must be submitted.

PARAMETER	VALUE	TYPE/FORMAT	NOTES
subscriptionId	The payment gateway assigned identification number for the subscription	Up to 13 digits	

- + The subscription start date (subscription.paymentSchedule.startDate) may only be updated in the event that no successful payments have been completed.
- + The subscription interval information (subscription.paymentSchedule.interval.length and subscription.paymentSchedule.interval.unit) may not be updated.
- + The number of trial occurrences (subscription.paymentSchedule.trialOccurrences) may only be updated if the subscription has not yet begun or is still in the trial period.
- + All other fields are optional.

Example ARBUpdateSubscriptionRequest

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ARBUpdateSubscription
xmlns="https://api.authorize.net/soap/v1/">
      <merchantAuthentication>
        <name>API Login ID here</name>
        <transactionKey>Transaction Key here</transactionKey>
      </merchantAuthentication>
      <subscriptionId>141414</subscriptionId>
      <subscription>
        <name>subscription information</name>
        <paymentSchedule>
          <interval>
            <length>30</length>
            <unit>days</unit>
          </interval>
          <startDate>2007-12-01</startDate>
          <totalOccurrences>26</totalOccurrences>
        </paymentSchedule>
      </subscription>
    </ARBUpdateSubscription>
  </soap:Body>
</soap:Envelope>
```

Note: The sample code included in this document uses dummy field values. When using or testing sample code, be sure to enter valid field values. Additional sample code is available for download from the Authorize.Net Integration Center at <http://developer.authorize.net/samplecode>.

Input Parameters for ARBCancelSubscriptionRequest

The following table represents the input parameters for executing an API call to the ARBCancelSubscriptionRequest function, in addition to the authentication parameters. Indentations in the Parameter column indicate grouping hierarchy. **All parameters are case sensitive and must be submitted in the order listed here. Parameters are required unless otherwise indicated. Optional parameters should not be submitted unless they contain valid values.**

PARAMETER	VALUE	FORMAT	NOTES
subscriptionId	The payment gateway assigned identification number for the subscription	Up to 13 digits	

Example ARBCancelSubscriptionRequest

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ARBCancelSubscription
```

```
xmlns="https://api.authorize.net/soap/v1/">
  <merchantAuthentication>
    <name>API Login ID here</name>
    <transactionKey>Transaction Key here</transactionKey>
  </merchantAuthentication>
  <subscriptionId>141414</subscriptionId>
</ARBCancelSubscription>
</soap:Body>
</soap:Envelope>
```

Note: The sample code included in this document uses dummy field values. When using or testing sample code, be sure to enter valid field values. Additional sample code is available for download from the Authorize.Net Integration Center at <http://developer.authorize.net/samplecode>.

Section 3

XML Responses

The transaction response from the payment gateway is a set of fields that provides information about the status of a request.

Responses for Successful Requests

The following sections describe the output fields that are returned for successful API calls.

Output Fields for ARBCreateSubscriptionResponse

The following table represents the output fields for a successful API call to the ARBCreateSubscriptionRequest function. Indentations in the Field column indicate grouping hierarchy.

FIELD	VALUE	FORMAT	NOTES
messages	Contains information about the results of the request		
resultCode	Contains additional information about the results of the request	Ok	An "Ok" result code indicates that the request was processed and accepted without error.
code	I00001		
text	Successful		
subscriptionId	The payment gateway assigned identification number for the subscription	Up to 13 digits	

Example ARBCreateSubscriptionResponse

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ARBCreateSubscriptionResponse
xmlns="https://api.authorize.net/soap/v1/">
      <ARBCreateSubscriptionResult>
        <messages>
          <resultCode>Ok</resultCode>
          <code>I00001</code>
          <text>Successful</text>
          <subscriptionId>1000456</subscriptionId>
        </messages>
      </ARBCreateSubscriptionResult>
    </ARBCreateSubscriptionResponse>
  </soap:Body>
</soap:Envelope>
```

```
</ARBCreateSubscriptionResult>  
</ARBCreateSubscriptionResponse>  
</soap:Body>  
</soap:Envelope>
```

Once you receive a response from the payment gateway with an “Ok” result code, your subscription has been successfully created. The response will include the subscription ID assigned to that particular subscription. Individual transactions, or payments, for a subscription are generated automatically by the payment gateway according to the designated payment schedule and subscription duration. Each payment will only be viewable in the merchant’s payment gateway account when it is actually generated.

For example, if a new subscription is created with a start date of June 6, with a monthly payment interval, the first payment for the subscription will not be viewable in the merchant’s payment gateway account until June 6. All subsequent payments will be visible on their scheduled date (July 6 payment will be visible on July 6, August 6 on August 6, etc.).

Note: If you create a new subscription with the first payment scheduled for that same day, the initial payment for the subscription will actually be submitted the next business day.

Once each scheduled transaction in a subscription has been submitted, the merchant will receive an email from the payment gateway indicating the transaction status.

The merchant can also configure their account in the Merchant Interface to receive the following ARB emails:

- + Daily Transaction Summary
- + Failed Transaction Notice
- + Subscription Due for Expiration
- + Credit Card Expiration.
- + Subscription Suspension
- + Subscription Expiration.
- + Subscription Termination

Note: The Daily Transaction Summary email returns an Excel file in comma separated value (.csv) format. The merchant will receive Successful.csv, Failed.csv or both files.

For more information on viewing subscriptions in the Merchant Interface or on the types of ARB emails the merchant can opt to receive, please see the Merchant Interface Online Help Files.

Transaction Response for Individual Payments in a Subscription

The payment gateway sends an email to the merchant for each transaction submitted in a subscription, indicating the transaction’s status. If you would rather receive a response in name/value pair format for each payment submitted, you may use the Silent Post URL feature in the Merchant Interface. The Silent Post URL acts as a carbon copy of the transaction results that are

already posted for each transaction submitted to the payment gateway. When this feature is enabled in the Merchant Interface, the payment gateway will post a transaction response for every transaction to the specified URL. The Silent Post URL feature is the only way you can receive a name/value pair response for transactions in an ARB subscription.

IMPORTANT: When the Silent Post URL feature is enabled, responses for both ARB transactions *and* regular transactions will post to the specified URL. To determine which transaction responses are for ARB transactions, you can parse the response for the *x_subscription_id* (Subscription ID) and the *x_subscription_paynum* (Payment Number) fields. These fields are only returned in the response for individual payments from an ARB subscription.

For information on how to configure the Silent Post URL in the Merchant Interface, see the *Merchant Integration Guide* at <http://www.authorize.net/support/Merchant/default.htm>.

Output Fields for ARBUpdateSubscriptionResponse and ARBCancelSubscriptionResponse

The output fields in for ARBUpdateSubscriptionResponse and ARBCancelSubscriptionResponse are the same as ARBCreateSubscriptionResponse with the following exception:

- + The subscriptionID of the updated subscription is not included in the response.

Error Response

The following table describes the output fields for an error response to any of the requested API methods.

FIELDS	VALUE	FORMAT	NOTES
messages	Contains information about the results of the request		
resultCode	Contains additional information about the results of the request	Error	The request resulted in one or more errors.
code	The code that represents the reason for the error		
text	A text description of the error		

Example Error Response

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ErrorResponse xmlns="https://api.authorize.net/soap/v1/">
      <messages>
        <resultCode>Error</resultCode>
        <code>E00003</code>
        <text>An error occurred while parsing the XML request.
</text>
```

```

    </messages>
  </ErrorResponse>
</soap:Body>
</soap:Envelope>

```

Error Codes

The following table lists the common error codes and texts.

CODE	TEXT	DESCRIPTION
E00001	An error occurred during processing. Please try again.	An unexpected system error occurred while processing this request.
E00002	The content-type specified is not supported.	The only supported content-types are text/xml and application/xml.
E00003	An error occurred while parsing the XML request.	This is the result of an XML parser error.
E00004	The name of the requested API method is invalid.	The name of the root node of the XML request is the API method being called. It is not valid.
E00005	The merchantAuthentication.transactionKey is invalid or not present.	Merchant authentication requires a valid value for transaction key.
E00006	The merchantAuthentication.name is invalid or not present.	Merchant authentication requires a valid value for name.
E00007	User authentication failed due to invalid authentication values.	The name/and or transaction key is invalid.
E00008	User authentication failed. The payment gateway account or user is inactive.	The payment gateway or user account is not currently active.
E00009	The payment gateway account is in Test Mode. The request cannot be processed.	The requested API method cannot be executed while the payment gateway account is in Test Mode.
E00010	User authentication failed. You do not have the appropriate permissions.	The user does not have permission to call the API.
E00011	Access denied. You do not have the appropriate permissions.	The user does not have permission to call the API method.
E00012	A duplicate subscription already exists.	A duplicate of the subscription was already submitted. The duplicate check looks at several fields including payment information, billing information and, specifically for subscriptions, Start Date, Interval and Unit.
E00013	The field is invalid.	One of the field values is not valid.
E00014	A required field is not present.	One of the required fields was not present.
E00015	The field length is invalid.	One of the fields has an invalid length.
E00016	The field type is invalid.	The field type is not valid.
E00017	The startDate cannot occur in the past.	The subscription start date cannot occur before the subscription submission date.
E00018	The credit card expires before the subscription startDate.	The credit card is not valid as of the start date of the subscription.

E00019	The customer taxId or driversLicense information is required.	The customer tax ID or driver's license information (driver's license number, driver's license state, driver's license DOB) is required for the subscription.
E00020	The payment gateway account is not enabled for eCheck.Net subscriptions.	This payment gateway account is not set up to process eCheck.Net subscriptions.
E00021	The payment gateway account is not enabled for credit card subscriptions.	This payment gateway account is not set up to process credit card subscriptions.
E00022	The interval length cannot exceed 365 days or 12 months.	The interval length must be 7 to 365 days or 1 to 12 months.
E00024	The trialOccurrences is required when trialAmount is specified.	The number of trial occurrences cannot be zero if a valid trial amount is submitted.
E00025	Automated Recurring Billing is not enabled.	The payment gateway account is not enabled for Automated Recurring Billing.
E00026	Both trialAmount and trialOccurrences are required.	If either a trial amount or number of trial occurrences is specified then values for both must be submitted.
E00027	The test transaction was unsuccessful.	An approval was not returned for the test transaction.
E00028	The trialOccurrences must be less than totalOccurrences.	The number of trial occurrences specified must be less than the number of total occurrences specified.
E00029	Payment information is required.	Payment information is required when creating a subscription.
E00030	A paymentSchedule is required.	A payment schedule is required when creating a subscription.
E00031	The amount is required.	The subscription amount is required when creating a subscription.
E00032	The startDate is required.	The subscription start date is required to create a subscription.
E00033	The subscription Start Date cannot be changed.	Once a subscription is created the Start Date cannot be changed.
E00034	The interval information cannot be changed.	Once a subscription is created the subscription interval cannot be changed.
E00035	The subscription cannot be found.	The subscription ID for this request is not valid for this merchant.
E00036	The payment type cannot be changed.	Changing the subscription payment type between credit card and eCheck.Net is not currently supported.
E00037	The subscription cannot be updated.	Subscriptions that are expired, canceled or terminated cannot be updated.
E00038	The subscription cannot be canceled.	Subscriptions that are expired or terminated cannot be canceled.