

ST Xpay and Xpay4 Subscription Specification

Version 3.51

Copyright

© SecureTrading 2009. All rights reserved. No part of this document may be photocopied, reproduced, stored in a retrieval system or transmitted in any form or by any means whether electronic, mechanical or otherwise without the prior written permission of SecureTrading Ltd.

Disclaimer

This document is for informational purposes only. SecureTrading make no warranties, express or implied, through the distribution of this document. No warranty of accuracy is given concerning the contents of the information contained in this publication. To the extent permitted by law no liability (including liability to any person by reason of negligence) will be accepted by SecureTrading, its subsidiaries or employees for any direct or indirect loss or damage caused by omissions from or inaccuracies in this document.

SecureTrading reserves the right to revise the content without obligation to notify any person of such changes.

Document revised on 17-Apr-2009.

Contents

1	Introduction	4
2	Automated subscription authorisation	5
2.1	Subscription authorisation request.....	5
2.1.1	XML specification	5
2.1.1.1	<Unit>	5
2.1.1.2	<Period>	5
2.1.1.3	<BeginDate>	6
2.1.1.4	<HowMany>	6
2.2	XML example	6
2.3	Subscription authorisation response	7
2.3.1	XML specification	7
2.3.2	XML example	7
2.4	Subscription update request.....	8
2.4.1	XML specification	8
2.4.2	XML example	9
2.5	Subscription update response	9
2.5.1	XML specification	9
2.5.2	XML example	10
2.6	Subscription cancellation request	10
2.6.1	XML specification	10
2.6.2	XML example	10
2.7	Subscription cancellation response	11
2.7.1	XML specification	11
2.7.2	XML example	11
2.8	Subscription query request	11
2.8.1	XML specification	12
2.8.2	XML example	12
2.9	Subscription query response.....	12
2.9.1	XML specification	12
2.9.2	XML example	13
2.9.3	Manual subscription authorisation	13
2.10	Continuous authorisation request	14
2.10.1	XML specification	14
2.10.2	XML example	14
2.11	Continuous authorisation response.....	15
2.11.1	XML specification	15
2.11.2	XML example	16
3	Further information	17
3.1	Support	17
3.2	Further reading.....	17

1 Introduction

This document covers the additional functionality available to merchants to process continuous authority and subscription transactions through the ST Xpay and Xpay4. It defines the XML specification for requests using both the ST Xpay and ST Xpay4 APIs. In most cases the XML is identical for each version. Where there are differences the specification will state how Xpay and Xpay4 differ.

It is highly recommended that this document is read in conjunction with the SecureTrading XML Specification document. To obtain a copy of this document please refer to the [Further information](#) section at the end of this document.

A subscription transaction is the submission of a standard authorisation (similar to the "AUTH" type transaction) with additional recurring information. This will cause SecureTrading to process additional continuous authority transactions at designated intervals.

To enable these additional facilities on your SecureTrading account please contact the SecureTrading customer services department, details of which are in the [Support](#) section of this document.

Please note it may invalidate your merchant agreement with your acquirer if you do not process automated repeat transactions using the correct merchant details. If you are unsure as to the type of request that should be sent, please contact your acquirer.

This document pays specific attention to the fields used to create ST Xpay and Xpay4 subscription requests and the information returned in the response. Each request/response type covered will be highlighted with a full XML example. The examples specified may include other fields not covered in this document. Details of these fields are available in the ST XML Specification.

To perform subscription related requests the following request types are available:

- "SUBSCRIPTIONAUTH"
- "SUBSCRIPTIONUPDATE"
- "CONTINUOUSAUTH"

E.g. `<Request Type="SUBSCRIPTIONUPDATE">`

2 Automated subscription authorisation

This section describes the elements required to send and receive subscription XML requests to the SecureTrading payment network.

2.1 Subscription authorisation request

A subscription authorisation request (`SUBSCRIPTIONAUTH`) is used to initiate a subscription request. Recurrence information of subsequent authorisations is stored in the SecureTrading subscription engine for future processing. This information will be used to automatically process a number of `CONTINUOUSAUTH` transactions on your behalf.

2.1.1 XML specification

In addition to the fields required to perform an authorisation, four tags are required to initiate a subscription payment, these are to be included within the `<Operation>` element:

```
<Operation>
  .
  <Unit>String</Unit>
  <Period>INT</Period>
  <BeginDate>String</BeginDate>
  <HowMany>INT</HowMany>
  .
</Operation>
```

There are no defaults set by the system for any of the above elements.

Note: If any element is omitted then the transaction will not be processed, and an error message will be returned.

2.1.1.1 `<Unit>`

The `<Unit>` tag defines the interval element in which a subscription will be performed.

The following values can be used in a request:

- Day
- Month

2.1.1.2 `<Period>`

The `<Period>` tag defines a subscription in terms of the number of `<Units>` between successive payments. The value submitted in the `<Period>` tag must be a positive integer.

For example if `<Unit>` is specified as "Month", then setting the value of `<Period>` to "2" will cause the specified parent transaction to be repeated every 2 months until:

- It has been repeated the number of times defined by the `<HowMany>` element.
- Or a subscription cancellation request is issued and processed.
- Or the repeat details of the subscription are altered.

If a subscription is scheduled to run on the 29th 30th or the 31st of the month and that particular date is not present in that month then the subscription will be scheduled to run on the last day of that month.

2.1.1.3 <BeginDate>

The <BeginDate> tag defines the date that the first CONTINUOUSAUTH is to take place. The value must be a future date.

<BeginDate> must be in the format: "YYYY-MM-DD"

For example:

31st of May 2001 is "2001-05-31".

2.1.1.4 <HowMany>

The <HowMany> tag defines the number of CONTINUOUSAUTH payments the subscription engine is required to process. The value submitted in the <HowMany> tag must be a positive integer.

2.2 XML example

The following is an example of the XML string sent to ST Xpay or Xpay4. For Xpay4 an XML header specifying the version and character encoding is required. Please refer to the XML request section within the ST XML Specification document referenced in [Further reading](#) for more details.

```
<?xml version="1.0" encoding="utf-8"?>
<RequestBlock Version="3.51">
  <Request Type="SUBSCRIPTIONAUTH">
    <Operation>
      <Amount>1000</Amount>
      <Currency>GBP</Currency>
      <SiteReference>testref1234</SiteReference>
      <SettlementDay>1</SettlementDay>
      <Unit>Month</Unit>
      <Period>2</Period>
      <BeginDate>2004-08-30</BeginDate>
      <HowMany>4</HowMany>
    </Operation>
    <CustomerInfo>
      <Postal>
        <Name>
          <NamePrefix>Mr.</NamePrefix>
          <FirstName>Joe</FirstName>
          <MiddleName>A.</MiddleName>
          <LastName>Bloggs</LastName>
          <NameSuffix>CEng.</NameSuffix>
        </Name>
        <Company>A COMPANY</Company>
        <Street>A STREET</Street>
        <City>A CITY</City>
        <StateProv>A STATE</StateProv>
        <PostalCode>TE2 3ST</PostalCode>
        <CountryCode>GBR</CountryCode>
      </Postal>
      <Telecom>
        <Phone>0000 111111</Phone>
      </Telecom>
      <Online>
        <Email>CUSTOMER@SOMEDOMAIN.COM</Email>
      </Online>
    </CustomerInfo>
    <PaymentMethod>
      <CreditCard>
        <Type>VISA</Type>
        <Number>4111111111111111</Number>
        <Issue></Issue>
      </CreditCard>
    </PaymentMethod>
  </Request>
</RequestBlock>
```

```

        <StartDate></StartDate>
        <ExpiryDate>02/05</ExpiryDate>
        <SecurityCode>246</SecurityCode>
    </CreditCard>
</PaymentMethod>
<Order>
    <OrderReference>Order0001</OrderReference>
    <OrderInformation>Test Order</OrderInformation>
</Order>
</Request>
<Certificate>
-----BEGIN CERTIFICATE-----
MIIGUTCCBg+gAwIBAgICAQMwCwYHKoZIzjgEAwUAMIG/MQswCQYDVQQGEwJVSzEP
MA0GA1UECBMTG9uZG9uMQswCQYDVQQHEwJTVDEWMBQGA1UEChMNU2VjdXJlVHJh
ZGluZzEuMCwGA1UECzMVGVzdCBNZXJjaGFudCBkZDZlY2F0aW9uIEF1dGh1dGh1
SPEeso/HNlkY8DXrEXixAhRcJrEC3JnDXLRDZc32MciHvISP9Q==
-----END CERTIFICATE-----
-----BEGIN RSA PRIVATE KEY-----
TWhG9Qn9kK+h15rJBvbQtNvFMBuLlIXEVOxZboteE+2lW7iYz5gF7HWUPgjm+RTM
j6D5a16AuWU0/uuL6VVe6POgBorSFeWd18RnQLfAinVku8UkWQBS1Y4j5ICFGrc
YaJAnR5AJ4xXUK3CHVbLEBkW
-----END RSA PRIVATE KEY-----
    </Certificate>
<!--NOTE for ST Xpay4 the Certificate tag should just contain your certificate alias-->
</RequestBlock>

```

In this example, the cardholder will be charged as follows:

- £ 10 will be charged on the day of the request (SUBSCRIPTIONAUTH)
- £ 10 will be charged on 30th August 2004 (CONTINUOUSAUTH)
- £ 10 will be charged on 30th October 2004 (CONTINUOUSAUTH)
- £ 10 will be charged on 30th December 2004 (CONTINUOUSAUTH)
- £ 10 will be charged on 28th February 2004 (CONTINUOUSAUTH)

2.3 Subscription authorisation response

The XML returned after performing a subscription authorisation will be the same as a standard authorisation with the exception of the `Type` attribute of the `<Response>` tag.

2.3.1 XML specification

A `<Result>` of 1 will indicate that the subscription has been successfully stored on the SecureTrading system. The initial authorisation has been processed and these results will be returned in the response. Also, the repeat information will be stored in the SecureTrading subscription engine. A `<Result>` of 2 indicates the initial authorisation failed. No further repeats will be processed. If there is an error processing the request the `<Message>` tag will contain any error messages that the request generated.

2.3.2 XML example

The following is an example of the XML string returned by the SecureTrading payment gateway.

```

<ResponseBlock Live="FALSE" Version="3.51">
  <Response Type="SUBSCRIPTIONAUTH">
    <OperationResponse>
      <TransactionReference>1-2-2432</TransactionReference>
      <AuthCode>Auth code:6284</AuthCode>
      <Result>1</Result>
      <SettleStatus>0</SettleStatus>
      <SecurityResponseSecurityCode>1
    </OperationResponse>
  </Response>
</ResponseBlock>

```

```

        </SecurityResponseSecurityCode>
        <SecurityResponsePostcode>2</SecurityResponsePostcode>
        <SecurityResponseAddress>4</SecurityResponseAddress>
        <TransactionCompletedTimestamp>
        2000-10-04 23:24:02
        </TransactionCompletedTimestamp>
        <TransactionVerifier>ljhLKH6H7fjhg+764J
        HERsdFGhKJHGjhdsee09DSs+</TransactionVerifier>
    </OperationResponse>
    <Order>
        <OrderReference>Order0001</OrderReference>
        <OrderInformation>Test Order</OrderInformation>
    </Order>
</Response>
</ResponseBlock>

```

2.4 Subscription update request

A subscription update request is used to update the allowed fields of a subscription with any new information.

2.4.1 XML specification

The fields that are allowed to be updated are shown below.

<Amount>

The amount field has to be in base units format, e.g. 1000 = £10 dependant upon original transaction currency. Automated Continuous Authority transactions must be in the same currency as the original parent transaction.

<ActiveFlag>

Active flag can be changed to two values.

1 = Active

0 = Not Active

<Number>

When requesting to update a credit card number you will also be required to supply an expiry date for the new credit card number otherwise you will receive an "Invalid Expiry Date" error

<ExpiryDate>

To update the card expiry date you do not need to supply a card number as this will keep the original card number but update the expiry date with the one supplied.

To modify an existing subscription the following information is required.

<SiteReference>

<ParentTransactionReference>

The parent transaction reference is the transaction reference of the initial subscription authorisation request (i.e. the value of <TransactionReference> in the SUBSCRIPTIONAUTH response).

2.4.2 XML example

The following xml example shows a request to (re)activate a subscription, change the credit card number, expiry date and set the amount to be £10. For Xpay4 an XML header specifying the version and character encoding is required. Please refer to the XML request section within the ST XML Specification document referenced in [Further reading](#) for more details.

```
<?xml version="1.0" encoding="utf-8"?>
<RequestBlock Version="3.51">
  <Request Type="SUBSCRIPTIONUPDATE">
    <Operation>
      <Amount>1000</Amount>
      <ActiveFlag>1</ActiveFlag>
      <SiteReference>testref1234</SiteReference>
      <ParentTransactionReference>1-2-2432
      </ParentTransactionReference>
    </Operation>
    <PaymentMethod>
      <CreditCard>
        <Number>4111111111111111</Number>
        <ExpiryDate>05/05</ExpiryDate>
      </CreditCard>
    </PaymentMethod>
  </Request>
  <Certificate>
    -----BEGIN CERTIFICATE-----
    MIIGUTCCBg+gAwIBAgICAQMwCwYHKoZIzjgEAwUAMIG/MQswCQYDVQQGEwJVSzEP
    MA0GA1UECBMTG9uZG9uMQswCQYDVQQHEwJTVDEWMBQGA1UEChMNU2VjdXJlVHJh
    ZGluZzEuMCwGA1UECmMlVGZvdCBNZXJjaGFudCBDZSJ0aWZpY2F0aW9uIEF1dGhv
    SPEso/HNlkY8DXrEXixAhRcJrEC3JnDXLRDZc32MciHvISP9Q==
    -----END CERTIFICATE-----
    -----BEGIN RSA PRIVATE KEY-----
    TWhG9Qn9kJ+h15rJBvbQtNvFMBuLlIXEVOxZboteE+21W7iYz5gF7HWUPgjm+RTM
    j6D5a16AuWU0/uqL6VVe6POgBorSFeWd18RnQLfAinVkeEu8UkWQBS1Y4j5ICFGrc
    YaJAnR5AJ4xXUK3CHVbLEBkW
    -----END RSA PRIVATE KEY-----
  </Certificate>
  <!--NOTE for ST Xpay4 the Certificate tag should just contain your certificate alias-->
</RequestBlock>
```

2.5 Subscription update response

The XML returned after performing a subscription update.

2.5.1 XML specification

If you set a request to change both the credit card number and expiry date while the active flag is currently set to 0, then the active flag will not be changed and only the card details will be updated. This means that the subscription will still contain the new card details but no new repeat transactions will be processed.

If you wish to change the card details and to activate the subscription you will need to have the `<ActiveFlag>` value set to 1 within the request xml.

When reactivating a subscription or changing any details of the subscription you need to request the customers permission to do so and you will also need to check with your acquiring bank to make sure that your account allows you to change the subscription transaction details.

Important

Re-activating a subscription will subsequently charge any missed subscriptions on the next due date.

If the subscription has been successfully updated on the SecureTrading system a <Result> code of 1 will indicate the success of the update. If there is an error processing the update the <Result> code will be 0 and the <Message> tag will contain any error messages that the update request generated.

2.5.2 XML example

The following is an example of the XML string returned by the SecureTrading payment gateway.

```
<ResponseBlock Live="FALSE" Version="3.51">
  <Response Type="SUBSCRIPTIONUPDATE">
    <OperationResponse>
      <TransactionReference>1-2-2432</TransactionReference>
      <Amount>1000</Amount>
      <ActiveFlag>1</ActiveFlag>
      <Result>1</Result>
    </OperationResponse>
  </Response>
</ResponseBlock>
```

2.6 Subscription cancellation request

A subscription update request is used to cancel a subscription transaction using the <ActiveFlag> field.

2.6.1 XML specification

If you wish to cancel a subscription you will need to send a "SUBSCRIPTIONUPDATE" request setting the <ActiveFlag> to the number value 0.

To cancel an existing subscription the following details will be required:

```
<SiteReference>
<ParentTransactionReference>      The transaction reference of the initial
                                   subscription authorisation request.
<ActiveFlag>.
```

Note: If a subscription is cancelled out of error you can re-activate the subscription by sending a similar request as shown below but setting the <ActiveFlag> to the number value 1.

Important

Re-activating a subscription will subsequently charge any missed subscriptions on the next due date.

2.6.2 XML example

The following is an example of a subscription update sent to ST Xpay or Xpay4. For Xpay4 an XML header specifying the version and character encoding is required. Please refer to the XML request section within the ST XML Specification document referenced in [Further reading](#) for more details.

```
<?xml version="1.0" encoding="utf-8"?>
<RequestBlock Version="3.51">
  <Request Type="SUBSCRIPTIONUPDATE">
    <Operation>
      <Amount>1000</Amount>
```

```

        <ActiveFlag>0</ActiveFlag>
        <SiteReference>testref1234</SiteReference>
        <ParentTransactionReference>1-2-2432
        </ParentTransactionReference>
    </Operation>
    <PaymentMethod>
        <CreditCard>
            <Number></Number>
            <ExpiryDate></ExpiryDate>
        </CreditCard>
    </PaymentMethod>
</Request>
<Certificate>
-----BEGIN CERTIFICATE-----
MIIGUTCCBg+gAwIBAgICAQMwCwYHkoZIZjgEAwUAMIG/MQswCQYDVQQGEwJVSzEP
MA0GA1UECBMTG9uZG9uMQswCQYDVQQHEwJTVDEWMBQGA1UEChMNU2VjdXJlVHJh
ZGluZzEuMCwGA1UECXMlVGZzdCBNZXJjaGFudCBDZXJ0aWZpY2F0aW9uIEF1dGhV
SPEeso/HNlkY8DXrEXixAhRcJrEC3JnDXLRDZc32MciHvISP9Q==
-----END CERTIFICATE-----
-----BEGIN RSA PRIVATE KEY-----
TWhG9Qn9kK+h15rJBvbQtNvFMBuLlIXEVOxZboteE+2lW7iYz5gF7HWUPgjm+RTM
j6D5a16AuWU0/uqL6VVe6POgBorSFeWdl8RnQLfAinVkEu8UkWQBS1Y4j5ICFGRC
YaJAnR5AJ4xXUK3CHVbLEBkW
-----END RSA PRIVATE KEY-----
    </Certificate>
<!--NOTE for ST Xpay4 the Certificate tag should just contain your certificate alias-->
</RequestBlock>

```

2.7 Subscription cancellation response

The XML returned after performing a subscription update to cancel a subscription.

2.7.1 XML specification

A <Result> of 1 will indicate the successful update of the <ActiveFlag>. A <Result> of 0 will indicate an error processing the request. Error information will be present in the <Message> tag.

2.7.2 XML example

The following is an example of the XML string returned by the SecureTrading payment gateway.

```

<ResponseBlock Live="FALSE" Version="3.51">
    <Response Type="SUBSCRIPTIONUPDATE">
        <OperationResponse>
            <TransactionReference>1-2-2432</TransactionReference>
            <Amount>1000</Amount>
            <ActiveFlag>0</ActiveFlag>
            <Result>1</Result>
        </OperationResponse>
    </Response>
</ResponseBlock>

```

2.8 Subscription query request

A SUBSCRIPTIONQUERY is used to query the state of the ST Subscription Engine. By specifying a date range the engine will return the scheduled repeats for your subscriptions. Note that only the first scheduled transaction date is returned for each subscription.

2.8.1 XML specification

The additional fields required are:

- <StartDate> - starting date of the query (YYYY-MM-DD)
- <EndDate> - ending date of the query (YYYY-MM-DD)
- <ParentTransactionReference> - optional tag that will retrieve only subscriptions with this parent.

2.8.2 XML example

The following is an example of a subscription query sent to ST Xpay or Xpay4. For Xpay4 an XML header specifying the version and character encoding is required. Please refer to the XML request section within the ST XML Specification document referenced in [Further reading](#) for more details.

```
<?xml version="1.0" encoding="utf-8"?>
<RequestBlock Version="3.51">
  <Request Type="SUBSCRIPTIONQUERY">
    <Operation>
      <SiteReference>testref1234</SiteReference>
      <StartDate>2002-01-01</StartDate>
      <EndDate>2002-12-31</EndDate>
      <ParentTransactionReference>1-1-1
    </ParentTransactionReference>
    </Operation>
  </Request>
  <Certificate>
    -----BEGIN CERTIFICATE-----
    MIIGUTCCBg+gAwIBAgICAQMwCwYHKoZiZjgEAwUAMIG/MQswCQYDVQQGEwJVSzEP
    MA0GA1UECBMTG9uZG9uMQswCQYDVQQHEwJTVDEWMBQGA1UEChMNU2VjdXJlVHJh
    ZGluZzEuMCwGA1UECXMlVGZzdCBNZXJjaGFudCBDZXXJ0aWZpY2F0aW9uIEF1dGhV
    SPEeso/HNlkY8DXrEXixAhRcJrEC3JnDXLRDZc32MciHvISP9Q==
    -----END CERTIFICATE-----
    -----BEGIN RSA PRIVATE KEY-----
    TWhG9Qn9kJ+h15rJBvbQtNvFMBuLlIXEVOxZboteE+21w7iYz5gF7HWUPgjm+RTM
    j6D5a16AuWU0/uqL6VVe6POgBorSFeWd18RnQLfAinVkuEu8UkWQBS1Y4j5ICFGRc
    YaJAnR5AJ4xXUK3CHVbLEBkw
    -----END RSA PRIVATE KEY-----
  </Certificate>
  <!--NOTE for ST Xpay4 the Certificate tag should just contain your certificate alias-->
</RequestBlock>
```

2.9 Subscription query response

The XML returned after performing a SUBSCRIPTIONQUERY request.

2.9.1 XML specification

A <Result> of 1 indicates the query was successful. A <Result> of 0 will indicate an error processing the request. Error information will be present in the <Message> tag.

The <OperationResponse> may contain zero or more <Subscription> tags containing the details of the individual subscriptions which have been scheduled within the specified query date range. Note that if <Active> is 0 the subscription has been suspended and the transaction will not take place unless a SUBSCRIPTIONUPDATE is issued.

Each <Subscription> tag contains the following child elements in no particular order:

- <HowMany> - as described above
- <BeginDate> - as described above
- <Period> - as described above
- <Unit> - as described above
- <ParentTransactionReference> - as described above
- <Active> - as described above
- <Run> - The number of repeats processed by the ST engine
- <NextDate> - The due date of the next repeat authorisation
- <Amount> - The amount to be processed on the next repeat
- <ChildTransactionReference> - The reference of the last repeat to be processed by the engine for this subscription (if any)
- <SubscriptionResult> - The result of the last repeat to be processed by the engine for this subscription (if any)

2.9.2 XML example

```

<ResponseBlock Live="" Version="3.51">
  <Response Type="SUBSCRIPTIONQUERY">
    <OperationResponse>
      <Subscription>
        <HowMany>5</HowMany>
        <BeginDate>2000-10-07</BeginDate>
        <ParentTransactionReference>10-9-165</ParentTransactionReference>
        <Period>1</Period>
        <Amount>1000</Amount>
        <ChildTransactionReference>11-9-
</ChildTransactionReference>
        <NextDate>2000-10-12</NextDate>
        <Active>0</Active>
        <Run>5</Run>
        <SubscriptionResult>1</SubscriptionResult>
        <Unit>Day</Unit>
      </Subscription>
      <Subscription>
        <HowMany>10</HowMany>
        <BeginDate>2000-10-07</BeginDate>
        <ParentTransactionReference>10-9-196</ParentTransactionReference>
        <Period>1</Period>
        <Amount>1400</Amount>
        <ChildTransactionReference>None
</ChildTransactionReference>
        <NextDate>2001-02-14</NextDate>
        <Active>1</Active>
        <Run>0</Run>
        <SubscriptionResult>None</SubscriptionResult>
        <Unit>Day</Unit>
      </Subscription>
      <Result>1</Result>
    </OperationResponse>
  </Response>
</ResponseBlock>

```

2.9.3 Manual subscription authorisation

The following section details the method of performing manual subscription requests or continuous authorisation requests.

Rather than performing a single request and utilising the SecureTrading subscription engine to perform the additional authorisations, the manual method allows a merchant to perform the initial authorisation and all required recurring authorisations themselves.

To perform a manual subscription request, the original authorisation will have to be processed as an "AUTH" request type. Any subsequent authorisations must be sent using the "CONTINUOUSAUTH" request type.

2.10 Continuous authorisation request

The following section details the XML required to send a continuous authorisation request to SecureTrading, a detailed XML example is included.

2.10.1 XML specification

The xml to send through a continuous authority request is of similar format to an "AUTH" request but with some variations.

In the <Operation> element a <ParentTransactionReference> tag is required to match the continuous authorisation back to the original authorisation. The contents must be the value of <TransactionReference> from the original AUTH request.

In the <PaymentMethod> element a <TransactionVerifier> tag is required to perform additional validation against the original authorisation. The contents must be the value of <TransactionVerifier> from the original AUTH request.

Other fields within the <PaymentMethod> tag are now optional. If included they will override the values implied by the <TransactionVerifier> tag.

The <Amount> and <Currency> tags are also optional. If omitted the values from the original AUTH request will be used.

```
<Operation>
  <SiteReference>testref1234</SiteReference>
  <SettlementDay>1</SettlementDay>
</Operation>
<PaymentMethod>
  <CreditCard>
    <ParentTransactionReference>1-23-32132</ParentTransactionReference>
    <TransactionVerifier>A6ye98dks</TransactionVerifier>
  </CreditCard>
</PaymentMethod>
```

For an explanation of the individual tags and elements that can be included in the request please refer to the ST XML Specification document.

2.10.2 XML example

The following XML details a continuous authorisation request.

```
<RequestBlock Version="3.51">
  <Request Type="CONTINUOUSAUTH">
    <Operation>
      <SiteReference>testref1234</SiteReference>
      <SettlementDay>1</SettlementDay>
    </Operation>
    <PaymentMethod>
      <CreditCard>
```


Note the <TransactionVerifier> returned will be valid for the continuous authority transaction and not the original authorisation.

2.11.2 XML example

The following XML details the response received on performing a continuous authority request

```
<ResponseBlock Live="TRUE" Version="3.51">
  <Response Type="CONTINUOUSAUTH">
    <OperationResponse>
      <TransactionReference>1-2-23211</TransactionReference>
      <AuthCode>Auth Code:6322</AuthCode>
      <Result>1</Result>
      <SettleStatus>0</SettleStatus>
      <TransactionCompletedTimestamp>2003-11-01 23:24:02
      </TransactionCompletedTimestamp>
      <TransactionVerifier>aVftgwU7y35EET2wfsfg
      +</TransactionVerifier>
    </OperationResponse>
  </Response>
</ResponseBlock>
```

3 Further information

This section contains contact information and further reading relevant to ST Xpay and Xpay4 subscriptions.

3.1 Support

SecureTrading provides support for its software and the operation of its payment service. If you require technical support, first ensure that you have read and understood all relevant documentation.

If the problem persists, please email support@securetrading.com, quoting your SecureTrading site reference and concisely stating the nature of your problem.

To help us help you, please include the original XML string sent and any error messages that are returned by the ST Xpay API verbatim. Care should be taken NOT to include sensitive payment details such as credit cards.

SecureTrading additional contact details:

Phone: 01248 672 050

Fax: 01248 672 099

3.2 Further reading

For further information please refer to the following documents:

In the ST Xpay documents (<http://www.securetrading.com/xpay.html>) section of the SecureTrading website:

- SecureTrading XML Specification

In the General Setup Guides (<http://www.securetrading.com/general-setup-guides.html>) section of the SecureTrading website:

- Going live guide

Bundled with the ST Xpay distribution:

- ST Xpay read me: readme.txt