

# ST Xpay and Xpay4 Query/Update Specification

Version 3.51

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## 1 Introduction

This document covers the additional functionality of checking a transactions status following a processed payment through the ST Xpay or 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 reading](#) section at the end of this document.

Transaction queries can be used to poll the SecureTrading system for the status information of a transaction.

This document pays specific attention to the fields used to create ST Xpay and Xpay4 transaction queries 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 SecureTrading XML document.

## 2 Transaction query

The following section details the XML required allowing ST Xpay and Xpay4 to query a recently processed transaction and the XML returned.

### 2.1 Transaction query request

A Transaction Query gives the ability to check the result of a transaction by specifying the Transaction Reference or Order Reference.

#### 2.1.1 XML specification

To initiate a Transaction Query the `<Request>` element attribute `Type` must be set to `"TRANSACTIONQUERY"`.

The element contains two child elements:

```
<Request Type="TRANSACTIONQUERY">
  <Operation> </Operation>
  <Order> </Order>
</Request>
```

Only the elements of the `<Operation>` are required.

##### 2.1.1.1 `<Operation>`

The `<Operation>` element includes two tags:

```
<Operation>
  <SiteReference>String</SiteReference>
  <TransactionReference>String</TransactionReference>
</Operation>
```

The `<SiteReference>` tag is required, but the `<TransactionReference>` is conditional depending on whether an order reference is specified or not.

##### 2.1.1.2 `<Order>`

The `<Order>` element has just the one tag:

```
<Order>
  <OrderReference>String</OrderReference>
</Order>
```

The `<OrderReference>` tag is also conditional, but for the query to be successful the `<TransactionReference>` tag or the `<OrderReference>` must contain a value.

#### Important note

A transaction query can only search over transactions within the last 24 hours.

## 2.1.2 XML example

The following is an example of the XML string sent to the SecureTrading payment gateway. 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="TRANSACTIONQUERY">
    <Operation>
      <SiteReference>testref1234</SiteReference>
      <TransactionReference></TransactionReference>
    </Operation>
    <Order>
      <OrderReference>orderref0001</OrderReference>
    </Order>
  </Request>
  <Certificate>
    -----BEGIN CERTIFICATE-----
    MIIGUTCBBg+gAwIBAgICAQMwCwYHKoZIzjgEAwUAMIG/MQswCQYDVQQGEwJVSzEP
    MA0GA1UECBMTG9uZG9uMQswCQYDVQQHEwJTVDEWMBQGA1UEChMNU2VjdXJlVHJh
    ZGluZzEuMCwGA1UECmMlVGZzdCBNZXJjaGFudCBDZSJ0aWZpY2F0aW9uIEF1dGhv
    SPEso/HNlkY8DXrEXixAhRcJrEC3JnDXLRDZc32MciHvISP9Q==
    -----END CERTIFICATE-----
    -----BEGIN RSA PRIVATE KEY-----
    TWG9Qn9kJ+h15rJBvbQtNvFMBuLlIXEVOxZboteE+2lW7iYz5gF7HWUPgjm+RTM
    j6D5a16AuWU0/uqL6VVe6POgBorSFeWd18RnQLfAinVkuE8UkWQBS1Y4j5ICFGRc
    YaJAnR5AJ4xXUK3CHVbLEBkW
    -----END RSA PRIVATE KEY-----
  </Certificate>
  <!--NOTE for ST Xpay4 the Certificate tag should just contain your certificate alias-->
</RequestBlock>
```

## 2.2 Transaction query response

Upon processing a Transaction Query the details are passed back to ST Xpay or Xpay4.

### 2.2.1 XML specification

The XML String for a Transaction Query is similar in format to the Authorisation Response (see 2.2 AUTHORISATION RESPONSE in the ST XML Specification document) except for the <Response> attribute, "Type", which will have the value of "TRANSACTIONQUERY".

### 2.2.2 XML example

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

```
<ResponseBlock Live="TRUE" Version="3.51">
  <Response Type="TRANSACTIONQUERY">
    <OperationResponse>
      <TransactionReference>2-2-35117</TransactionReference>
      <AuthCode>AUTH CODE: ab123</AuthCode>
      <Result>1</Result>
      <Amount>1234</Amount>
      <TransactionCompletedTimestamp>2004-08-31 16:17:03
      </TransactionCompletedTimestamp>
      <TransactionVerifier>ApTtGHQ/WUQYRj</TransactionVerifier>
    </OperationResponse>
    <Order>
      <OrderReference>orderref0001</OrderReference>
    </Order>
  </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](mailto:support@securetrading.com), quoting your SecureTrading sitereference 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:

Located in the ST Xpay (<http://www.securetrading.com/xpay.html>) documents section of the SecureTrading website or by contacting support:

- SecureTrading XML Specification

Bundled with the SecureTrading Xpay distribution:

- SecureTrading Xpay read me: readme.txt

Located in the general setup (<http://www.securetrading.com/xpay.html>) guides section of the SecureTrading website:

- Going live guide