XML Order Status Request Documentation   Updated: September 30th, 2015

To request order status via XML:

> Obtain a DandH.ca User ID and password.
> If you already have a DandH.ca account, contact your sales rep to create a new usercode dedicated to XML requests.
> If you do not have a DandH.ca login, please contact Lori Horst at passwords@dandh.com 800-877-1200 ext. 6723
> or go to https://www.dandh.com/v4/view?pageReq=NSNewCust

> Create an XML document with your login information and the request information as described below.

> There are 3 methods that can be used to post the document to D&H.
> You can use a straight forward HTTP POST of the XML document, or you can POST an HTML form with the document in a form field called "xmlDoc", or you can put the XML document in a SOAP envelope.

> If using HTTP POST of the XML document:
> Submit the request to this URL:
> https://www.dandh.ca/dhXML/xmlDispatch

> If using HTML form post:
> Create an HTTP POST request containing a form field named "xmlDoc", and include your XML document as the value of the "xmlDoc" field.
> Submit the request to this URL:
> https://www.dandh.ca/dhXML/xmlDispatch

> If using SOAP:
> Enclose your XML document in a SOAP envelope, and send as described below.

Specifications for the XML elements:

Element	Required/ Optional	Child of	Description
<XMLFORMPOST>	Required	none	Contains the <REQUEST>, <LOGIN>, <ORDERHEADER>, and <ORDERITEMS> elements.
<REQUEST>	Required	<XMLFORMPOST>	Contains the type of request. The only valid value for the order status request is **"orderStatus"**.
<LOGIN>	Required	<XMLFORMPOST>	Contains the child elements <USERID> and <PASSWORD>.
<USERID>	Required	<LOGIN>	The DandH.com login ID.
<PASSWORD>	Required	<LOGIN>	The password associated with this User ID.

Element	Required/ Optional	Child of	Description
<STATUSREQUEST>	Required	<XMLFORMPOST>	Contains one of these child elements: <PONUM>, <ORDERNUM>, or <INVOICE>. Only one of these elements may be included in each request. Up to 50 separate requests may be included in each transmission.
<PONUM>	Optional	<STATUSREQUEST>	To return the status of orders matching your PO number, include this element containing your PO number.
<ORDERNUM>	Optional	<STATUSREQUEST>	To return the status of orders matching the D&H order number, include this element containing the D&H order number.
<INVOICE>	Optional	<STATUSREQUEST>	To return the status of orders matching the D&H invoice number, include this element containing the D&H invoice number.

Here is an example of a web page with an HTML form that contains a valid XML request for the status of three different orders:

```
<HTML>
<HEAD>
<TITLE>D&H Order Status Request</title>
</head><body>
<div align="center">
<form method="post"
      action="https://www.dandh.ca/dhXML/xmlDispatch"
>
<input
type="hidden"
name="xmlDoc"
value="<XMLFORMPOST>
      <REQUEST>orderStatus</REQUEST>
      <LOGIN>
            <USERID>youruserid</USERID>
            <PASSWORD>yourpassword</PASSWORD>
      </LOGIN>
      <STATUSREQUEST>
            <PONUM>yourPOnumber</PONUM>
      </STATUSREQUEST>
      <STATUSREQUEST>
            <ORDERNUM>DandHordernumber</ORDERNUM>
      </STATUSREQUEST>
      <STATUSREQUEST>
            <INVOICE>DandHinvoicenumber</INVOICE>
      </STATUSREQUEST>
   </XMLFORMPOST>"
>
<input type="submit" value="submit request">
</form></div></body></html>
```

Here is an HTML example that submits the form on load of the document:

```
<HTML>
<HEAD>
<TITLE>D&H Order Status Request</title>
</head><body onLoad="document.forms[0].submit()">
<form method="post"
      action="https://www.dandh.ca/dhXML/xmlDispatch"
>
<input
type="hidden"
name="xmlDoc"
value="<XMLFORMPOST>
      <REQUEST>orderStatus</REQUEST>
      <LOGIN>
            <USERID>youruserid</USERID>
            <PASSWORD>yourpassword</PASSWORD>
      </LOGIN>
      <STATUSREQUEST>
            <PONUM>yourPOnumber</PONUM>
      </STATUSREQUEST>
   </XMLFORMPOST>"
>
</form></body></html>
```

This is an example of a javaScript that creates a valid XML request to be sent using SOAP.
Line breaks have been inserted for readability.

```
 var DataToSend =
'<?xml version="1.0" encoding="UTF-8"?>
      <SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/"      SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
            <SOAP-ENV:Body>
                  <XMLFORMPOST>
                        <REQUEST>orderStatus</REQUEST>
                        <LOGIN>
                              <USERID>youruserid</USERID>
                              <PASSWORD>yourpassword</PASSWORD>
                        </LOGIN>
                        <STATUSREQUEST>
                              <PONUM>yourPOnumber</PONUM>
                        </STATUSREQUEST>
                        <STATUSREQUEST>
                              <ORDERNUM>DandHordernumber</ORDERNUM>
                        </STATUSREQUEST>
                  </XMLFORMPOST>
            </SOAP-ENV:Body>
      </SOAP-ENV:Envelope>'
var xmlhttp = new ActiveXObject("Microsoft.XMLHTTP");
xmlhttp.Open("POST","https://www.dandh.ca/dhXML/xmlDispatch",false);
xmlhttp.setRequestHeader("Content-Type", "text/xml");
xmlhttp.setRequestHeader("SOAPAction","urn:x-progress-soap-1.0:asbroker1#");
xmlhttp.send(DataToSend);
```

The response will be in the form of an XML document with some or all of these elements:

Element	Child of	Description
<XMLRESPONSE>	none	Contains the <STATUS>, <MESSAGE> and <ORDERNUM> elements.
<STATUS>	<XMLRESPONSE>	The value will be **"success"** or **"failure"**.
<ORDERSTATUS>	<XMLRESPONSE>	Contains status information for one order.
<DATE>	<ORDERSTATUS>	Contains the order date.
<PONUM>	<ORDERSTATUS>	Contains your PO number.
<BRANCH>	<ORDERSTATUS>	Contains the D&H branch the order will be shipped from.
<ORDERNUM>	<ORDERSTATUS>	Contains the D&H order number.
<INVOICE>	<ORDERSTATUS>	Contains the D&H invoice number, if the order has been invoiced. If not, this element will contain "In Process".
<INVTOTAL>	<ORDERSTATUS>	Contains the invoice total, if the order has been invoiced. This element will be absent if the order has not been invoiced. Contains Attributes of the values that make up Invoice Total. ATTRIBUTES are: **"SubTotal"** **"Tax"** **"PST"** **"HST"** **"QST"** **"EHF"** **"Freight"** **"Handling"**
<SOLDTO>	<ORDERSTATUS>	Contains the Sold To Information child elements.
<NAME>	<SOLDTO>	Contains the Sold To Name.
<ADDRESS>	<SOLDTO>	Contains the Sold To Address.
<ADDRESS2>	<SOLDTO>	Contains the Sold To Address, if available.
<CITY>	<SOLDTO>	Contains the Sold To City.
<PROVINCE>	<SOLDTO>	Contains the Sold To Province.
<POSTALCODE>	<SOLDTO>	Contains the Sold To Postal Code.
<SHIPTO>	<ORDERSTATUS>	Contains the Ship To Information child elements.
<NAME>	<SHIPTO>	Contains the Ship To Name.
<ADDRESS>	<SHIPTO>	Contains the Ship To Address.
<ADDRESS2>	<SHIPTO>	Contains the Ship To Address, if available.
<CITY>	<SHIPTO>	Contains the Ship To City.
<PROVINCE>	<SHIPTO>	Contains the Ship To Province.
<POSTALCODE>	<SHIPTO>	Contains the Ship To Postal Code.
<ORDERDETAIL>	<ORDERSTATUS>	Contains the <DETAILITEM> element, one for each item on the order.
<DETAILITEM>	<ORDERDETAIL>	Contains the detail child elements of the item
<ITEMNO>	<DETAILITEM>	Contains the Item Number
<PRICE>	<DETAILITEM>	Contains the Price
<QUANTITY>	<DETAILITEM>	Contains the Quantity
<QTYBO>	<DETAILITEM>	Contains the Quantity Back Ordered
<VENDOR>	<DETAILITEM>	Contains the Vendor Name

<DESCRIPTION>	<DETAILITEM>	Contains the Description of the Item
<PACKAGE>	<ORDERSTATUS>	Contains carrier information for each package, if the order has been invoiced. This element will be absent if the order has not been invoiced.
<DATESHIPPED>	< PACKAGE>	Contains the date the package was shipped from the Distribution Center.
<CARRIER>	<PACKAGE>	Contains the carrier used for this package.
<SERVICE>	<PACKAGE>	Contains the service level for this package.
<SHIPPED>	<PACKAGE>	Contains **"yes"** if the package has been shipped, **"no"** if not.
<TRACKNUM>	<PACKAGE>	Contains the tracking number assigned to this package. If the package has not been shipped yet, it is possible, although unlikely, that this number could be changed before the package is shipped.
<SHIPITEM>	<PACKAGE>	Contains the <SHIPITEM> element, one for each item in the package.
<SHIPITEMNO>	<SHIPITEM>	Contains the Item Number of the Shipped Item.
<SERIALNO>	<SHIPITEM>	Contains the Serial Number of the Shipped Item. This element is only available if a Serial Number is valid or required for the Shipped Item.

Here is an example of a response document:

```xml
<?xml version='1.0' encoding='UTF-8' ?>
<XMLRESPONSE>
<ORDERSTATUS>
      <DATE>01/15/11</DATE>
      <BRANCH>Totonto</BRANCH>
      <PONUM>031103</PONUM>
      <ORDERNUM>7433600</ORDERNUM>
      <INVOICE>2170576</INVOICE>
            <INVTOTAL Tax="0" Freight="0" Handling="0"
      SubTotal="1182.53">1182.53</INVTOTAL>
      <SOLDTO>
            <NAME>SOLD TO NAME HERE</NAME>
            <ADDRESS>1234 W. MAIN</ADDRESS>
            <CITY>SOLD TO CITY</CITY>
            <PROVINCE>ON</PROVINCE>
            <POSTALCODE>K1P 5K6</POSTALCODE>
      </SOLDTO>
      <SHIPTO>
            <NAME>SHIP TO NAME HERE</NAME>
            <ADDRESS>5678 N. MAIN</ADDRESS>
            <CITY>SOLD TO CITY</CITY>
            <PROVINCE>ON</PROVINCE>
            <POSTALCODE>K1P 5K6</POSTALCODE>
      </SHIPTO>
      <ORDERDETAIL>
            <DETAILITEM>
                  <ITEMNO>FP781</ITEMNO>
                  <PRICE>444.92</PRICE>
```

```xml
        <QUANTITY>1</QUANTITY>
        <QTYBO>0</QTYBO>
        <VENDOR>BenQ</VENDOR>
        <DESCRIPTION>1280 x1024 TFT,
        LCD;Silver</DESCRIPTION>
</DETAILITEM>
<DETAILITEM>
        <ITEMNO>WRT54G</ITEMNO>
        <PRICE>117.86</PRICE>
        <QUANTITY>1</QUANTITY>
        <QTYBO>0</QTYBO>
        <VENDOR>Linksys</VENDOR>
        <DESCRIPTION>CABLE/DSL RTR 802.11G
        W/SWITCH</DESCRIPTION>
</DETAILITEM>
<DETAILITEM>
        <ITEMNO>WUSB11</ITEMNO>
        <PRICE>54.41</PRICE>
        <QUANTITY>2</QUANTITY>
        <QTYBO>0</QTYBO>
        <VENDOR>Linksys</VENDOR>
        <DESCRIPTION>USB 11MBPS Wireless Adapter</DESCRIPTION>
</DETAILITEM>
<DETAILITEM>
        <ITEMNO>BEFW11S4</ITEMNO>
        <PRICE>78.29</PRICE>
        <QUANTITY>1</QUANTITY>
        <QTYBO>0</QTYBO>
        <VENDOR>Linksys</VENDOR>
        <DESCRIPTION>CABLE/DSL RTR 802.11B
        W/SWITCH</DESCRIPTION>
</DETAILITEM>
<DETAILITEM>
        <ITEMNO>WPC54G</ITEMNO>
        <PRICE>62.47</PRICE>
        <QUANTITY>1</QUANTITY>
        <QTYBO>0</QTYBO>
        <VENDOR>Linksys</VENDOR>
        <DESCRIPTION>PC CARD ADAPTER 54MBPS
        802.11G</DESCRIPTION>
</DETAILITEM>
<DETAILITEM>
        <ITEMNO>T032120</ITEMNO>
        <PRICE>23.19</PRICE>
        <QUANTITY>4</QUANTITY>
        <QTYBO>0</QTYBO>
        <VENDOR>Epson America Inc</VENDOR>
        <DESCRIPTION>Stylus C80/82 black ink</DESCRIPTION>
</DETAILITEM>
<DETAILITEM>
        <ITEMNO>HPC6578DN</ITEMNO>
        <PRICE>27.78</PRICE>
        <QUANTITY>3</QUANTITY>
        <QTYBO>0</QTYBO>
        <VENDOR>Hewlett-Packard Acce</VENDOR>
        <DESCRIPTION>No.78 Tri-color ink cartridge</DESCRIPTION>
</DETAILITEM>
```

```xml
<DETAILITEM>
        <ITEMNO>HPC6615DN</ITEMNO>
        <PRICE>23.61</PRICE>
        <QUANTITY>2</QUANTITY>
        <QTYBO>0</QTYBO>
        <VENDOR>Hewlett-Packard Acce</VENDOR>
        <DESCRIPTION>NO.15 BLACK INK CARTRIDGE</DESCRIPTION>
</DETAILITEM>
<DETAILITEM>
        <ITEMNO>S020187</ITEMNO>
        <PRICE>17.3</PRICE>
        <QUANTITY>4</QUANTITY>
        <QTYBO>0</QTYBO>
        <VENDOR>Epson America Inc</VENDOR>
        <DESCRIPTION>BLK INK CART SC440/640</DESCRIPTION>
</DETAILITEM>
<DETAILITEM>
        <ITEMNO>EZXS16W</ITEMNO>
        <PRICE>77.65</PRICE>
        <QUANTITY>1</QUANTITY>
        <QTYBO>0</QTYBO>
        <VENDOR>Linksys</VENDOR>
        <DESCRIPTION>SWITCH 16-PORT 10/100MBPS
        WKGP</DESCRIPTION>
</DETAILITEM>
</ORDERDETAIL>
<PACKAGE>
        <CARRIER>Purolator</CARRIER>
        <SERVICE>Ground</SERVICE>
        <TRACKNUM>1Z1826920323237589</TRACKNUM>
        <DATESHIPPED>12/17/14</DATESHIPPED>
        <SHIPPED>yes</SHIPPED>
        <SHIPITEM>
                <SHIPITEMNO>FP781</SHIPITEMNO>
                <SERIALNO>99l267231123300051hs2311</SERIALNO>
        </SHIPITEM>
        <SHIPITEM>
                <SHIPITEMNO>EZXS16W</SHIPITEMNO>
        </SHIPITEM>
        <SHIPITEM>
                <SHIPITEMNO>WRT54G</SHIPITEMNO>
        </SHIPITEM>
        <SHIPITEM>
                <SHIPITEMNO>BEFW11S4</SHIPITEMNO>
        </SHIPITEM>
        <SHIPITEM>
                <SHIPITEMNO>WPC54G</SHIPITEMNO>
        </SHIPITEM>
        <SHIPITEM>
                <SHIPITEMNO>WUSB11</SHIPITEMNO>
        </SHIPITEM>
        <SHIPITEM>
                <SHIPITEMNO>HPC6578DN</SHIPITEMNO>
        </SHIPITEM>
        <SHIPITEM>
                <SHIPITEMNO>T032120</SHIPITEMNO>
        </SHIPITEM>
```

```xml
                <SHIPITEM>
                        <SHIPITEMNO>S020187</SHIPITEMNO>
                </SHIPITEM>
                <SHIPITEM>
                        <SHIPITEMNO>HPC6615DN</SHIPITEMNO>
                </SHIPITEM>
        </PACKAGE>
</ORDERSTATUS>
<ORDERSTATUS>
        <DATE>01/15/11</DATE>
        <BRANCH>Totonto</BRANCH>
        <PONUM>031103</PONUM>
        <ORDERNUM>7433600</ORDERNUM>
        <INVOICE>2170577</INVOICE>
        <INVTOTAL Tax="0" PST="0" HST="0" QST="0" EHF="0" Freight="0"
        Handling="0" SubTotal="158.92">158.92</INVTOTAL>
        <SOLDTO>
                <NAME>SOLD TO NAME</NAME>
                <ADDRESS>555 SOLD TO STREET</ADDRESS>
                <CITY>SOLD TO CITY</CITY>
                <PROVINCE>ON</PROVINCE>
                <POSTALCODE> K1P 5K6</POSTALCODE>
        </SOLDTO>
        <SHIPTO>
                <NAME>SHIP TO NAME</NAME>
                <ADDRESS>777 SHIP TO ADDRESS</ADDRESS>
                <CITY>SHIP TO CITY</CITY>
                <PROVINCE>ON</PROVINCE>
                <POSTALCODE> K1P 5K6</POSTALCODE>
        </SHIPTO>
        <ORDERDETAIL>
                <DETAILITEM>
                        <ITEMNO>SCANMAKER5900</ITEMNO>
                        <PRICE>158.92</PRICE>
                        <QUANTITY>1</QUANTITY>
                        <QTYBO>0</QTYBO>
                        <VENDOR>Scanpaq/Scanport</VENDOR>
                        <DESCRIPTION>48 Bit;4800x2400; USB w/TMA</DESCRIPTION>
                </DETAILITEM>
        </ORDERDETAIL>
        <PACKAGE>
                <CARRIER>Purolator</CARRIER>
                <SERVICE>Ground</SERVICE>
                <TRACKNUM>1Z01X4180330928624</TRACKNUM>
                <DATESHIPPED>12/17/14</DATESHIPPED>
                <SHIPPED>yes</SHIPPED>
                <SHIPITEM>
                        <SHIPITEMNO>SCANMAKER5900</SHIPITEMNO>
                </SHIPITEM>
        </PACKAGE>
        <PACKAGE>
                <CARRIER>Purolator</CARRIER>
                <SERVICE>Ground</SERVICE>
                <TRACKNUM>1Z1826920323237589</TRACKNUM>
                <DATESHIPPED>12/17/14</DATESHIPPED>
                <SHIPPED>yes</SHIPPED>
                <SHIPITEM>
```

```
                <SHIPITEMNO>FP781</SHIPITEMNO>
                <SERIALNO>99l267231123300051hs2311</SERIALNO>
            </SHIPITEM>
            <SHIPITEM>
                <SHIPITEMNO>EZXS16W</SHIPITEMNO>
            </SHIPITEM>
            <SHIPITEM>
                <SHIPITEMNO>WRT54G</SHIPITEMNO>
            </SHIPITEM>
            <SHIPITEM>
                <SHIPITEMNO>BEFW11S4</SHIPITEMNO>
            </SHIPITEM>
            <SHIPITEM>
                <SHIPITEMNO>WPC54G</SHIPITEMNO>
            </SHIPITEM>
            <SHIPITEM>
                <SHIPITEMNO>WUSB11</SHIPITEMNO>
            </SHIPITEM>
            <SHIPITEM>
                <SHIPITEMNO>HPC6578DN</SHIPITEMNO>
            </SHIPITEM>
            <SHIPITEM>
                <SHIPITEMNO>T032120</SHIPITEMNO>
            </SHIPITEM>
            <SHIPITEM>
                <SHIPITEMNO>S020187</SHIPITEMNO>
            </SHIPITEM>
            <SHIPITEM>
                <SHIPITEMNO>HPC6615DN</SHIPITEMNO>
            </SHIPITEM>
        </PACKAGE>
    </ORDERSTATUS>
    <STATUS>success</STATUS>
</XMLRESPONSE>
```