



XML Price and Availability Request Documentation - Updated June 3rd, 2014

To request price and/or availability information 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 Sheri Linn 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. Valid values for price and availability are: "price" returns price only "availability" returns available quantity only "price-availability" returns both The separate price and availability requests allow a limit of 50 items per request. The combined price-availability request allows 25 items.
<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
<PARTNUM>	Required	<XMLFORMPOST>	Contains the D&H part number for which information is requested. This element may occur up to 50 times for separate price or availability requests, or up to 25 times for combined price-availability.

Here is a example of a web page with an HTML form that contains a valid XML request for the availability of two different items:

```
<HTML>
<HEAD>
<TITLE>D&H Availability 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>availability</REQUEST>
      <LOGIN>
        <USERID>youruserid</USERID>
        <PASSWORD>yourpassword</PASSWORD>
      </LOGIN>
      <PARTNUM>52T</PARTNUM>
      <PARTNUM>STYLUSCOLOR880</PARTNUM>
    </XMLFORMPOST>"
>
<input type="submit" value="submit request">
</form></div></body></html>
```

Here is an HTML example, requesting price and availability, which submits the form on load of the document:

```
<HTML>
<HEAD>
<TITLE>D&H Price and Availability 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>price-availability</REQUEST>
      <LOGIN>
        <USERID>youruserid</USERID>
```

```

        <PASSWORD>yourpassword</PASSWORD>
    </LOGIN>
    <PARTNUM>STYLUSCOLOR880</PARTNUM>
</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>price</REQUEST>
            <LOGIN>
                <USERID>youruserid</USERID>
                <PASSWORD>yourpassword</PASSWORD>
            </LOGIN>
            <PARTNUM>52T</PARTNUM>
            <PARTNUM>STYLUSCOLOR880</PARTNUM>
        </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” .
<ITEM>	<XMLRESPONSE>	Contains the <PARTNUM> element. Also contains the <UNITPRICE> element for price requests, and the <BRANCHQTY> element for availability requests.
<PARTNUM>	<ITEM>	Contains the D&H part number.
<MESSAGE>	<ITEM>	Contains any item messages.
<UNITPRICE>	<ITEM>	For price requests, contains the item price.
<TOTALQTY>	<ITEM>	For availability requests, contains the total available at all D&H branches.
<BRANCHQTY>	<ITEM>	For availability requests, contains the <BRANCH>,<QTY> and <INSTOCKDATE> elements.
<BRANCH>	<BRANCHQTY>	Contains the D&H branch location.

<QTY>	<BRANCHQTY>	Contains the quantity available at the specified branch.
<INSTOCKDATE>	<BRANCHQTY>	For items that are out of stock, contains the expected in-stock date, if available.

Here is an example of a response document:

```

<?xml version="1.0" encoding="UTF-8" ?>
<XMLRESPONSE>
  <ITEM>
    <PARTNUM>52T</PARTNUM>
    <UNITPRICE>6.63</UNITPRICE>
    <BRANCHQTY>
      <BRANCH>Toronto</BRANCH>
      <QTY>84</QTY>
      <INSTOCKDATE />
    </BRANCHQTY>
    <TOTALQTY>84</TOTALQTY>
  </ITEM>
  <ITEM>
    <PARTNUM>123ABC</PARTNUM>
    <MESSAGE>Invalid Item Number</MESSAGE>
  </ITEM>
</STATUS>success</STATUS>
</XMLRESPONSE>

```