



**City/Zip Lookup Web Service
Implementation Guide
Version 1.00**

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Section 1 - Narrative

The Zip Finder V2 web service is a means by which a customer can look up a city or zip/postal code. This is the second version of the Zip Finder web service, which now also returns the city's state and country during a lookup for a city. As before, this is a public application that does not require authentication.

The Production address for the WSDL can be found at:

http://my.yrc.com/myyrc-api/national/WebServices/YRCZipFinder_V2.wsdl

The test address for the WSDL can be found at:

http://mytest.yrc.com/myyrc-api/national/WebServices/YRCZipFinder_V2.wsdl

If valid, YRC's host server will reply with a SOAP compliant XML document containing the requested information.

Section 2 - Input Parameters

The following parameters must be included in posts to YRC's City/Zip Lookup application. All parameters are required.

Lookup City Request	
Field Name	Description
zipCode	5 numeric digits for US shipments. 6 alphanumeric for Canada shipments.
country	Valid values: USA, CAN, MEX.

Lookup Zip Request	
Field Name	Description
city	City name.
state	2 character state or province.
country	Valid values: USA, CAN, MEX.

Section 3 - Output Parameters

Lookup Zip Response		
Element Name	Description	Example
Return Code	This element will indicate a success or failure for the given request 00 is success 01 or 02 is unsuccessful	<returnCode xsi:type="xsd:string">00</returnCode>
Error Message	Returned error messages	<errorMessage xsi:type="xsd:string">No matching records found</errorMessage>
Zips Found	Number of zips/postal codes returned	<zipsFound xsi:type="xsd:int">38</zipsFound>
Zips	List of zips/postal codes returned	<ns1:Zips id="ID2" xsi:type="enc:Array" enc:arrayType="xsd:string[38]"> <item xsi:type="xsd:string">44301</item> <item xsi:type="xsd:string">44302</item>

Lookup City Response		
Element Name	Description	Example
Return Code	This element will indicate a success or failure for the given request 00 is success 01 or 02 is unsuccessful	<returnCode xsi:type="xsd:string">00</returnCode>
Error Message	Returned error messages	<errorMessage xsi:type="xsd:string">No matching records found</errorMessage>
Cities Found	Number of cities returned	<citiesFound xsi:type="xsd:int">2</citiesFound>
Cities	List of cities returned, which includes the name of the city, its state, and its country	<ns1:Cities xsi:type="enc:Array" enc:arrayType="ns1:City[2]"> <ns1:City xsi:type="ns1:City"> <name xsi:type="xsd:string">CANTON</name> <state xsi:type="xsd:string">OH</state> <ns2:YRCCountryCode xsi:type="ns2:YRCCountryCode">USA</ns2:YRCCountryCode> </ns1:City> <ns1:City xsi:type="ns1:City"> <name xsi:type="xsd:string">N CANTON</name> <state xsi:type="xsd:string">OH</state>

		<pre><ns2:YRCCountryCode xsi:type="ns2:YRCCountryCode">USA</ns2:YRCCountryCode> </ns1:City> </ns1:Cities></pre>
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Section 4 - SOAP XML Examples

This section documents examples of SOAP XML requests and responses for Lookup City and Lookup Zip/Postal Code.

Lookup Zip Request:

```
<soapenv:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:yrcc="http://my.yrc.com/national/WebServices/YRCZipFinder_V2.wsdl">
  <soapenv:Header/>
  <soapenv:Body>
    <yrcc:lookupZip soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <lookupZipRequest xsi:type="yrcc:YRCLookupZipRequestV2"
xmlns:yrcc="http://my.yrc.com/national/WebServices/YRCZipFinderMessages_V2.xsd">
        <city xsi:type="xsd:string">MANHATTAN</city>
        <state xsi:type="xsd:string">KS</state>
        <country xsi:type="yrcc1:YRCCountryCode"
xmlns:yrcc1="http://my.yrc.com/national/WebServices/YRCCCommonTypes_V2.xsd">USA</country>
      </lookupZipRequest>
    </yrcc:lookupZip>
  </soapenv:Body>
</soapenv:Envelope>
```

Lookup Zip Response:

```
<env:Envelope env:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:enc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns0="http://my.yrc.com/national/WebServices/YRCZipFinder_V2.wsdl"
xmlns:ns1="http://my.yrc.com/national/WebServices/YRCZipFinderMessages_V2.xsd"
xmlns:ns2="http://my.yrc.com/national/WebServices/YRCCCommonTypes_V2.xsd">
  <env:Body>
    <ns0:lookupZipResponse>
      <lookupZipResponse href="#ID1"/>
    </ns0:lookupZipResponse>
    <ns1:YRCLookupZipResponseV2 id="ID1" xsi:type="ns1:YRCLookupZipResponseV2">
      <returnCode xsi:type="xsd:string">00</returnCode>
      <errorMessage xsi:type="xsd:string">Success</errorMessage>
      <zipsFound xsi:type="xsd:int">4</zipsFound>
      <zips href="#ID2"/>
    </ns1:YRCLookupZipResponseV2>
    <ns1:Zips id="ID2" xsi:type="enc:Array" enc:arrayType="xsd:string[4]">
      <item xsi:type="xsd:string">66502</item>
      <item xsi:type="xsd:string">66506</item>
      <item xsi:type="xsd:string">66503</item>
      <item xsi:type="xsd:string">66505</item>
    </ns1:Zips>
  </env:Body>
</env:Envelope>
```

Lookup City Request:

```
<soapenv:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
```

```

xmlns:yrcc="http://my.yrc.com/national/WebServices/YRCZipFinder_V2.wsdl">
  <soapenv:Header/>
  <soapenv:Body>
    <yrcc:lookupCity soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <lookupCityRequest xsi:type="yrcc:YRCLookupCityRequestV2"
xmlns:yrcc="http://my.yrc.com/national/WebServices/YRCZipFinderMessages_V2.xsd">
        <zipCode xsi:type="xsd:string">44720</zipCode>
        <country xsi:type="yrcc1:YRCCountryCode"
xmlns:yrcc1="http://my.yrc.com/national/WebServices/YRCCommonTypes_V2.xsd">USA</country>
      </lookupCityRequest>
    </yrcc:lookupCity>
  </soapenv:Body>
</soapenv:Envelope>

```

Lookup City Response:

```

<env:Envelope env:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:enc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns0="http://my.yrc.com/national/WebServices/YRCZipFinder_V2.wsdl"
xmlns:ns1="http://my.yrc.com/national/WebServices/YRCZipFinderMessages_V2.xsd"
xmlns:ns2="http://my.yrc.com/national/WebServices/YRCCommonTypes_V2.xsd">
  <env:Body>
    <ns0:lookupCityResponse>
      <lookupCityResponse href="#ID1"/>
    </ns0:lookupCityResponse>
    <ns1:YRCLookupCityResponseV2 id="ID1" xsi:type="ns1:YRCLookupCityResponseV2">
      <returnCode xsi:type="xsd:string">00</returnCode>
      <errorMessage xsi:type="xsd:string">Success</errorMessage>
      <citiesFound xsi:type="xsd:int">2</citiesFound>
      <cities href="#ID2"/>
    </ns1:YRCLookupCityResponseV2>
    <ns1:Cities id="ID2" xsi:type="enc:Array" enc:arrayType="ns1:City[2]">
      <city href="#ID3"/>
      <city href="#ID4"/>
    </ns1:Cities>
    <ns1:City id="ID3" xsi:type="ns1:City">
      <name xsi:type="xsd:string">CANTON</name>
      <state xsi:type="xsd:string">OH</state>
      <country href="#ID5"/>
    </ns1:City>
    <ns1:City id="ID4" xsi:type="ns1:City">
      <name xsi:type="xsd:string">N CANTON</name>
      <state xsi:type="xsd:string">OH</state>
      <country href="#ID5"/>
    </ns1:City>
    <ns2:YRCCountryCode id="ID5" xsi:type="ns2:YRCCountryCode">USA</ns2:YRCCountryCode>
  </env:Body>
</env:Envelope>

```