



**Tracking Web Service  
Implementation Guide  
Version 1.0**

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# YRC

## Tracking Web Service Implementation Guide

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### **Section 1 - Narrative**

The tracking web service is a means by which a client can reference the [www.yrc.com](http://www.yrc.com) tracking application from within an application program. The client will query the tracking web service to receive basic tracking information for a given shipment.

The web service will support tracking by freight bill number or reference number. In return the customer will receive basic tracking information along with a historical list of status events for the given shipment. . The web service is transactional meaning a request for status is sent for each shipment individually. There are no batching capabilities for multiple shipments at this time.

The web service will utilize the same tracking application found on [www.yrc.com](http://www.yrc.com).

The Production address for the WSDL can be found at:

[http://my.yrc.com/myyrc-api/national/WebServices/YRCTracking\\_V1.wsdl](http://my.yrc.com/myyrc-api/national/WebServices/YRCTracking_V1.wsdl)

If a valid request is received, the YRC host server will reply with an SOAP compliant XML document containing tracking information including Freight Bill Number, Reference Number and Type if originally provided, Pickup Date, Delivery Date (or projected delivery date if the bill has not yet been delivered), Origin City, State and Zip information, Destination City, State and Zip information along with a list of all historical statuses for the shipment.

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### Section 2 - Input Parameters

The following parameters must be included in posts to YRC's Tracking application. All parameters are required.

Track By Freight Bill Number	
Field Name	Description
Freight Bill Number	YRC's unique identifier of shipment, often referred to as Pro Number. Format is 999-999999-A. Where the first nine digits are the base number and the tenth digit is a check digit. Note: Hyphens and check digit are optional. Minimum required is 999999999.

Track By Reference Number	
Field Name	Description
Reference Number	This number can be any format alphanumeric.
Reference Number Type	Valid values are: PO for Purchase Order BL for Bill of Lading number LO for Load Number
Origin Zip code	5 numeric digits for US shipments. 6 alphanumeric for Canada shipments.
Destination Zip code	5 numeric digits for US shipments. 6 alphanumeric for Canada shipments.

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### Section 3 - Output Parameters

Element Name	Description	Example
Status Code	<p>This element will indicate a success or failure for the given request with a 2 or 3 digit code.</p> <p>00 - Success</p> <p>100 - status message will describe the problem</p> <p>999 - System unavailable .</p>	<statusCode xsi:type="xsd:string">00</statusCode>
Status Message	<p>Message corresponding to given status code.</p> <p>See Notes at the end of Section 3</p>	<statusMessage xsi:type="xsd:string" />
Freight Bill Number	10 digit number which represents a unique YRC shipment.	<freightBillNumber xsi:type="xsd:string">3121263640</freightBillNumber>
Reference Number	<p>This value represents the customer's reference number.</p> <p>This value will be populated only if the original request was to search by customer reference number.</p>	<referenceNumber xsi:nil="1" xsi:type="xsd:string" />
Reference Type	<p>This value represents the type of Reference Number we are searching by. BL for Bill of lading number. PO for purchase order number.</p> <p>This value will be populated only if the original request was to search by customer reference number.</p>	<referenceType xsi:nil="1" xsi:type="xsd:string" />
Origin City	The city in which the shipment originated.	<originCity xsi:type="xsd:string">ELKHART</originCity>
Origin State	The state in which the shipment originated.	<originState xsi:type="xsd:string">IN</originState>
Origin Zip	The zip code in which the shipment originated.	<originZip xsi:type="xsd:string">46517</originZip>
Destination City	The city in which the shipment is destined for.	<destinationCity xsi:type="xsd:string">KINGSTON</destinationCity>
Destination State	The state in which the shipment is destined for.	<destinationState xsi:type="xsd:string">ON</destinationState>

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Destination Zip	The zip code in which the shipment is destined for.	<destinationZip xsi:type="xsd:string">K7P1J9</destinationZip>
Pickup Date	The date the shipment was picked up.	<pickupDate xsi:type="xsd:string">06/27/2007</pickupDate>
Delivered Date	The date in which the shipment is scheduled to be delivered or the date it was actually delivered if the shipment has already delivered.	<deliveredDate xsi:type="xsd:string">07/04/2007</deliveredDate>
Tender Codes	Describes an additional action that was assigned to the shipment	<tenderCode xsi:type="xsd:string">APPOINTMENT REQUIRED.03/02/2007 07:00 - 10:00</tenderCode>

A history of tracking details will also be provided on each shipment status request.

Element Name	Description	Example
Status code	A code representing the type of status we are providing.	<b>&lt;statusCode xsi:type="xsd:string"&gt;Picked Up&lt;/statusCode&gt;</b>
Status Date	The date stamp this particular status was applied to the shipment.	<b>&lt;statusCode xsi:type="xsd:string"&gt;06/27/2007&lt;/statusCode&gt;</b>
Status Time	The time stamp this particular status was applied to the shipment.	<b>&lt;statusCode xsi:type="xsd:string" /&gt; &lt;</b>
Status message	Text description representing the current status the shipment.	<b>statusCode xsi:type="xsd:string"&gt;Picked Up from SOUTH BEND, IN&lt;/statusCode&gt;</b>

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### Notes:

Possible values return in status code and status message columns.

<u>StatusCode</u>	<u>Status Message</u>	<u>Comments</u>
Delivered	Delivered	Final delivery to consignee Shipment was spotted in consignee's yard
SPOT	Spotted at Consignee	Shipment is on the road for delivery
OFD	Out for Delivery	Shipment loaded on trailer for delivery
LDD	Loaded for Delivery	Shipment enroute to next destination
ENR	Trailer or Container 1234 is enroute to city, state	Shipment is loading at this terminal location
LDG	Trailer or Container 1234 is loading at city, state	Shipment's trailer was closed at this terminal location and is ready to move to next destination
CLS	Trailer or Container 1234 was closed at city, state	Shipment is on-hand at this terminal location
ONH	Now on Trailer or Container 1234 and on-hand at city, state	Shipment is on-hand at the final destination terminal.
OHD	Now on Trailer or Container 1234 and on-hand at city, state	Shipment is unloaded and on hand at this terminal location
UNL	Trailer or Container 1234 unloading at city, state	Interline - The entire trailer has been given to another carrier.
OFL	Trailer or Container to carrier at city, state	Internal code marking Shipment is destined to Mexico
Tendered ICMX	Tendered ICMX mm/dd/yy	
Tendered MXEX	TNDR: MXEX mm/dd/yy by city state country DELAY	Shipment delayed at the U.S. / Mexico border
FBO	Now at city state country	Shipment is picked up and at this terminal location.

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Picked Up	Picked Up from city state	The shipment has been picked up.
Unloaded	Unloaded at city state	The shipment has been unloaded at the given location
Loaded	Loaded to trailer number at city state	This shipment has been loaded onto a trailer.



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### Section 4 - SOAP XML Examples

This section documents an example SOAP XML request and response.

#### *Track By Freight Bill Number 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:ycr="http://my.yrc.com/dynamic/national/WebServices/YRCTracki
ng_V1.wsdl">
  <soapenv:Header/>
  <soapenv:Body>
    <ycr:trackByFreightBill
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <trackByFreightBillReq
xsi:type="ycr:YRCTrackByFreightBillRequest"
xmlns:ycr="http://my.yrc.com/dynamic/national/WebServices/YRCTracki
ngMessages_V1.xsd">
        <freightBillNumber
xsi:type="xsd:string">123456789</freightBillNumber>
      </trackByFreightBillReq>
    </ycr:trackByFreightBill>
  </soapenv:Body>
</soapenv:Envelope>
```

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### ***Track By Freight Bill Number 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/dynamic/national/WebServices/YRCTracking_V1.wsdl"
xmlns:ns1="http://my.yrc.com/dynamic/national/WebServices/YRCTrackingMessages_V1.xsd"> <env:Body>
  <ns0:trackByFreightBillResponse>
    <result href="#ID1"/>
  </ns0:trackByFreightBillResponse>
  <ns1:YRCTrackResponse id="ID1" xsi:type="ns1:YRCTrackResponse">
    <statusCode xsi:type="xsd:string">00</statusCode>
    <statusMessage xsi:type="xsd:string"/>
    <freightBillNumber xsi:type="xsd:string">3233940476</freightBillNumber>
    <referenceNumber xsi:type="xsd:string" xsi:nil="1"/>
    <referenceType xsi:type="xsd:string" xsi:nil="1"/>
    <originCity xsi:type="xsd:string">INDIANAPOLIS</originCity>
    <originState xsi:type="xsd:string">IN</originState>
    <originZip xsi:type="xsd:string">46214</originZip>
    <destinationCity xsi:type="xsd:string">LA GRANGE</destinationCity>
    <destinationState xsi:type="xsd:string">GA</destinationState>
    <destinationZip xsi:type="xsd:string">30240</destinationZip>
    <pickupDate xsi:type="xsd:string">12/11/2008</pickupDate>
    <deliveredDate xsi:type="xsd:string">12/15/2008</deliveredDate>
    <tenderCode xsi:type="xsd:string"/>
    <trackingDetails href="#ID2"/>
  </ns1:YRCTrackResponse>

  <ns1:YRCTrackingDetailArray id="ID2" xsi:type="enc:Array" enc:arrayType="ns1:YRCTrackingDetail[2]">
    <trackingDetails href="#ID3"/>
  </ns1:YRCTrackingDetailArray>
  <ns1:YRCTrackingDetail id="ID3" xsi:type="ns1:YRCTrackingDetail">
    <statusCode xsi:type="xsd:string">Picked Up</statusCode>
    <statusDate xsi:type="xsd:string">12/11/2008</statusDate>
    <statusTime xsi:type="xsd:string"/>
    <statusMessage xsi:type="xsd:string">Picked Up from INDIANAPOLIS, IN</statusMessage>
  </ns1:YRCTrackingDetail>
  <ns1:YRCTrackingDetail id="ID4" xsi:type="ns1:YRCTrackingDetail">
    <statusCode xsi:type="xsd:string">Unloaded</statusCode>
    <statusDate xsi:type="xsd:string">12/11/2008</statusDate>
    <statusTime xsi:type="xsd:string">21:45</statusTime>
    <statusMessage xsi:type="xsd:string">Unloaded at INDIANAPOLIS, IN</statusMessage>
  </ns1:YRCTrackingDetail>
</env:Body>
</env:Envelope>
```

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### ***Track By Reference Number 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:yrct="http://my.yrc.com/dynamic/national/WebServices/YRCTracking_V1.wsdl">

  <soapenv:Header/>

  <soapenv:Body>

    <yrct:trackByReferenceNumber soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">

      <trackByReferenceNumberReq xsi:type="yrct:YRCTrackByReferenceNumberRequest"
xmlns:yrct="http://my.yrc.com/dynamic/national/WebServices/YRCTrackingMessages_V1.xsd">

        <referenceNumber xsi:type="xsd:string">54387503</referenceNumber>

        <referenceType xsi:type="xsd:string">BL</referenceType>

        <originZip xsi:type="xsd:string">90745</originZip>

        <destinationZip xsi:type="xsd:string">58102</destinationZip>

      </trackByReferenceNumberReq>

    </yrct:trackByReferenceNumber>

  </soapenv:Body>

</soapenv:Envelope>
```

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### ***Track By Reference Number 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/dynamic/national/WebServices/YRCTracking_V1.wsdl"
xmlns:ns1="http://my.yrc.com/dynamic/national/WebServices/YRCTrackingMessages_V1.xsd"> <env:Body>
  <ns0:trackByReferenceNumberResponse>
    <result href="#ID1"/>
  </ns0:trackByReferenceNumberResponse>
  <ns1:YRCTrackResponse id="ID1" xsi:type="ns1:YRCTrackResponse">
    <statusCode xsi:type="xsd:string">00</statusCode>
    <statusMessage xsi:type="xsd:string"/>
    <freightBillNumber xsi:type="xsd:string">1110898856</freightBillNumber>

    <referenceNumber xsi:type="xsd:string">54387503</referenceNumber>
    <referenceType xsi:type="xsd:string">BL</referenceType>
    <originCity xsi:type="xsd:string">CARSON</originCity>
    <originState xsi:type="xsd:string">CA</originState>
    <originZip xsi:type="xsd:string">90745</originZip>
    <destinationCity xsi:type="xsd:string">FARGO</destinationCity>
    <destinationState xsi:type="xsd:string">ND</destinationState>
    <destinationZip xsi:type="xsd:string">58102</destinationZip>
    <pickupDate xsi:type="xsd:string">10/17/2008</pickupDate>
    <deliveredDate xsi:type="xsd:string">10/23/2008</deliveredDate>
    <tenderCode xsi:type="xsd:string">SHIPMENT REQUIRES CONSIGNEE TO BE NOTIFIED.</tenderCode>
    <trackingDetails href="#ID2"/>
  </ns1:YRCTrackResponse>
  <ns1:YRCTrackingDetailArray id="ID2" xsi:type="enc:Array" enc:arrayType="ns1:YRCTrackingDetail[10]">
    <trackingDetails href="#ID3"/>
    <trackingDetails href="#ID4"/>
  </ns1:YRCTrackingDetailArray>
  <ns1:YRCTrackingDetail id="ID3" xsi:type="ns1:YRCTrackingDetail">
    <statusCode xsi:type="xsd:string">Picked Up</statusCode>
    <statusDate xsi:type="xsd:string">10/17/2008</statusDate>
    <statusTime xsi:type="xsd:string"/>
    <statusMessage xsi:type="xsd:string">Picked Up from KEARNY, NJ</statusMessage> </ns1:YRCTrackingDetail>
  <ns1:YRCTrackingDetail id="ID4" xsi:type="ns1:YRCTrackingDetail">
    <statusCode xsi:type="xsd:string">Loaded</statusCode>
    <statusDate xsi:type="xsd:string">10/17/2008</statusDate>
    <statusTime xsi:type="xsd:string">20:35</statusTime>
    <statusMessage xsi:type="xsd:string">Loaded to TRLR 560715 at KEARNY, NJ</statusMessage>
  </ns1:YRCTrackingDetail>

</env:Body>

</env:Envelope>
```