

Using Linjegods Webservices

Introduction

This document (<http://webservices.linjegods.no>) describe using Linjegods Webservices. This is NOT an introduction to the webservice soap technology. But with a programming developer tools that support webservice, using Linjegods webservices can be easy and fun !

What you need

-connection to internett

-knowledge using webservice and programming tools.

-The WSDL document :

The url to WSDL dokument witch specifies the interface to Linjegods Web Service interface. The WSDL details the service's available methods and parameter types. WSDL is Linjegods “user's manual” for the Web Service. The WSDL webadress:

<http://webservices.linjegods.no/PublicMethodes.asmx?WSDL>

-A user and password given by Linjegods AS with the right access.

The Linjegods Web-Services

If you want a list of servicemethodes, go to this web-adress :

<http://webservices.linjegods.no/PublicMethodes.asmx>

You get something like this

Linjegods Webservices

You must have a valid **user** and **password** to use these services.

The following operations are supported. For a formal definition, please review the [Service Description](#).

- [TrackAndTracePODs](#)
This service gives You one or more POD URI's to tiff images. Input is shipment number, consignment number or collinumber
- [TrackAndTrace](#)
With this services You can track and trace on a given item observed in Norway. Input is shipment number, consignment number or collinumber. Yoy MUST use a valid User and Password , given by Linjegods

If you want to test a webservice, click on one of the service metodes and something like this will show :

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Click [here](#) for a complete list of operations.

TrackAndTracePODs

This service gives You one or more POD URI's to tiff images. Input is shipment number, consignment number or collinumber

Test

To test the operation using the HTTP POST protocol, click the 'Invoke' button.

Parameter	Value
user:	<input type="text" value="username"/>
password:	<input type="text" value="password"/>
id:	<input type="text" value="40????????"/>
<input type="button" value="Invoke"/>	

SOAP

The following is a sample SOAP request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /Webservices/PublicMethodes.aspx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "LinjegodsWebServices/TrackAndTracePODs"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <TrackAndTracePODs xmlns="LinjegodsWebServices">
      <user>string</user>
      <password>string</password>
      <id>string</id>
    </TrackAndTracePODs>
  </soap:Body>
</soap:Envelope>
```

General return codes :

Following standard returncode is defined :

<i>Code</i>	<i>Information</i>	<i>status</i>
00	Everything is ok (Ok a shipment where found)	Implemented
01	No error, but shipment not found	Implemented
10	Invalid request (wrong input arguments)	Implemented
11	Invalid User/password	Implemented
12	User have no access to this service	Implemented
20	Internal Linjegods error (rules or database messages. Error if something is wrong at Linjegods)	Implemented
21	Linjegods Service closed	Not implemented

Using the TrackAndTracePODs service

The method "TrackAndTracePODs" gives you the list of web-address links to gif POD documents.

You have 3 arguments, User, password and a ID. The ID can have 10, 11, 15 or 17 digits (shipment,consignment number)

When you call trackAndTracePOD, a resulting list of urls to POD is given, pointing to a POD tiff image (URIToTiffImage tag) :

```
<?xml version="1.0" encoding="utf-8" ?>
- <TrackAndTracePODsResultat xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns="LinjegodsWebServices">
  <ResponseCode>00</ResponseCode>
  <ResponseMessage>Everything is ok (Sendings kolli er splittet ved behandling i Linjegods.)</ResponseMessage>
  <AmountOfPODs>1</AmountOfPODs>
- <PODs>
- <POD>
  <ConsignmentNo>4000000000</ConsignmentNo>
  <DocumentType>Signert utleveringsdokument (POD)</DocumentType>
  <RegDT>2004-08-13T16:23:00.0000000+02:00</RegDT>
  <URIToTiffImage>http://www2.linjegods.no/StreamDocuments.aspx?
    Command=tracandtrace&fraktbrevnr=4000000000&index=0</URIToTiffImage>
  </POD>
</PODs>
</TrackAndTracePODsResultat>
```

The service can list zero, one or more PODs.

If something goes wrong, a returncode is given.

```
<?xml version="1.0" encoding="utf-8" ?>
- <TrackAndTracePODsResultat xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns="LinjegodsWebServices">
  <ResponseCode>100</ResponseCode>
  <ResponseMessage>No error, but POD missing (Everything is ok (Det er oppstått en feil men meldingen finnes ikke i databasen!))</ResponseMessage>
  <AmountOfPODs>0</AmountOfPODs>
</TrackAndTracePODsResultat>
```

Special returncode for the POD webservice methode

<i>Code</i>	<i>Information</i>	<i>status</i>
100	No error, but POD missing	Implemented

Using the [TrackAndTrace](#) service

The parent of TracAndTracePOD is the TrackAndTrace webservice. With this services you can track and trace on a given item observed in Norway. Input is shipment number, consignment number or collinumber. You use it in the same way as TraceAndTracePODs, and you MUST use a valid User and Password.

The structur of the return messages is best documented by trying running it !

The return structur look in general like this:

```
<Shipments>
  <Shipment> //Only one shipment in this realise.
    ..
    </Shipment>
    <Documents>
      <PODs>
        <POD>
          .. 0, 1 or more PODS
        </POD>
        ...
      </PODs>
    < ColliObservations>
      < ColliObservation>
        .. 0, 1 or more
      < /ColliObservations>
      ...
    </ ColliObservations>
  </Shipments>
```

The attributes is written using the Norwegians language. Only the PODs attributes is written in english.