# 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

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



## General return codes :

Following standard returncode is defined :

| Code | Information | status |
|---|---|---|
| 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 methode "TrackAndTracePODs" gives you the list of web-adress 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,consigment number)

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

```xml
<?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 (Sendingens kolli er splittet ved behandling i Linjegods.)</ResponseMessage>
  <AmountOfPODs>1</AmountOfPODs>
  <PODs>
    <POD>
      <ConsignmentNo>4020        </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=40         &index=0</URIToTiffImage>
    </POD>
  </PODs>
</TrackAndTracePODsResultat>
```

The service can list  zero, one or more PODs.

If something goes wrong, a returncode is given.

```xml
<?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

| Code | Information | status |
|------|-------------|--------|
| 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, consigment 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.