



DHL Sweden

DHL PostCode
Web Service Specification
Version 1.2

Updated 2016-05-16

Version history

Date/version	Type	Comment	Updated by	
2008-02-05 / Version 1.0	New document	New document.	Katharina Kronlund	Pdb
2016-02-25 / Version 1.1	URL update	Updated URLfor TEST Removed obsolete remark about unavailable addresses in the WSDL.	Peter Karlsson	DHL
2016-05-16 / Version 1.2	URL update	Updated URLfor Prod	Peter Karlsson	DHL

DHL PostCode – Web Service Specification

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1 Summary

This document describes how to communicate with the web service DHL PostCode. Target audience is integrators and system developers who will call and use the service.

2 Document versioning and status

This document is not final and is still subject for change.

This document will be versioned with a version number. Changes will be described in short in the Version history section.

3 General

The service is implemented using VB.NET 2005 and published as a Web Service.

3.1 Public endpoints

There's a test and a production version of the service. The table below shows the current URL's to the service.

TEST	https://www.dhltoolboxtest.se/DHLPostCodeWS/PostCode.asmx
PRODUCTION	https://www.dhltoolbox.se/DHLPostCodeWS/PostCode.asmx

The WSDL for each service can be retrieved by appending “?wsdl” at the end of the URL.

3.2 Security

The access to the web service will be restricted using a passed user name and password. Username and password must be used to access the service. Username and password will be sent in clear text from the client to the service.

3.3 Error Handling

Errors will be encapsulated as exceptions. All errors will be logged by the service.

4 DHL PostCode operations

DHL PostCode Service manages requests of post code information. This section describes the operations exposed by the service.

4.1 SearchPostCode operation

The operation searches post code information matching the passed post code and/or place.

Request:

SearchPostCode Request



Response:

SearchPostCode Response



4.1.1 SearchPostCode Request

Parameter	Message part	Required / Cardinality	Type / Length	Description
User	Body	Yes	String	User: TimeTableAppUser or PostCodeAppUser
Password	Body	Yes	String	Password: TTA%Pwd06 or PCA%Pwd06
CountryCode	Body	Yes	String	Country code.
PostCode	Body	No	String	Post code for the search. If search input is a part of a post code there must be % signs before and after the number.
Place	Body	No	String	Place for the search. If search input is a part of a place there must be % signs before and after the string.

4.1.2 SearchPostCode Response

Parameter	Message part	Type / Length	Description
SearchPostCode	Body	SearchPostCode	XML tag <SearchPostCode>, several occurrences

4.1.3 XML Response schema

```
<SearchPostCode>
  <CountryCode>SE</CountryCode>
  <PostCode>55592</PostCode>
  <Location>JÖNKÖPING</Location>
  <Description>55592 JÖNKÖPING</Description>
</SearchPostCode>
<SearchPostCode>
  <CountryCode>SE</CountryCode>
  <PostCode>55593</PostCode>
  <Location>JÖNKÖPING</Location>
  <Description>55593 JÖNKÖPING</Description>
</SearchPostCode>
<SearchPostCode>
  <CountryCode>SE</CountryCode>
  <PostCode>55594</PostCode>
  <Location>JÖNKÖPING</Location>
  <Description>55594 JÖNKÖPING</Description>
</SearchPostCode>
```

4.2 SearchPostCodeDetail operation

The operation searches detailed post code information for the passed post code.

Request:

SearchPostCodeDetail Request



Response:

SearchPostCodeDetail Response

4.2.1 SearchPostCodeDetail Request

Parameter	Message part	Required / Cardinality	Type / Length	Description
User	Body	Yes	String	User: TimeTableAppUser or PostCodeAppUser
Password	Body	Yes	String	Password: TTA%Pwd06 or PCA%Pwd06
CountryCode	Body	Yes	String	Country code.
PostCode	Body	No	String	Post code for the search.

4.2.2 SearchPostCodeDetail Response

Parameter	Message part	Type / Length	Description
PostCodeDetail	Body	PostCodeDetail	XML tag <PostCodeDetail>, one occurrence

4.2.3 XML Response schema

```

<PostCodeDetail>
  <CountryCode>SE</CountryCode>
  <PostCode>55592</PostCode>
  <Location>JÖNKÖPING</Location>
  <Linehaul>0562</Linehaul>
  <HandlingOffice>3510</HandlingOffice>
  <SubDepot>3510</SubDepot>
  <DepotOffice>3510</DepotOffice>
  <Deviating>0</Deviating>
  <Express>1</Express>
  <Normal>0</Normal>
  <Misc2>0</Misc2>
  <Misc3>0</Misc3>
  <Misc4>0</Misc4>
  <UpdatedBy>ULOS</UpdatedBy>
  <UpdatedDate>1993-08-30T00:00:00+02:00</UpdatedDate>
  <Status>0</Status>
</PostCodeDetail>

```

4.3 SearchPostCodeUpdated operation

The operation searches all detailed post code information updated since the passed date.

Request:

SearchPostCodeUpdated Request



Response:

SearchPostCodeUpdated Response

4.3.1 SearchPostCodeUpdated Request

Parameter	Message part	Required / Cardinality	Type / Length	Description
User	Body	Yes	String	User: TimeTableAppUser or PostCodeAppUser
Password	Body	Yes	String	Password: TTA%Pwd06 or PCA%Pwd06
CountryCode	Body	Yes	String	Country code.

UpdateDate	Body	No	DateTime	Date from which all updated post codes are returned. If no date is passed all post codes will be returned.
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4.3.2 SearchPostCodeUpdated Response

Parameter	Message part	Type / Length	Description
PostCodeDate	Body	PostCodeDate	XML tag <PostCodeDate>, several occurrences

4.3.3 XML Response schema

```

<PostCodeDate>
  <CountryCode>SE</CountryCode>
  <PostCode>00200</PostCode>
  <Location>MALMÖ EURO EXPRESS Test new date </Location>
  <Linehaul>5665</Linehaul>
  <HandlingOffice>1240</HandlingOffice>
  <SubDepot>1240</SubDepot>
  <DepotOffice>1240</DepotOffice>
  <Deviating>1</Deviating>
  <Express>1</Express>
  <Normal>1</Normal>
  <Misc2>1</Misc2>
  <Misc3>1</Misc3>
  <Misc4>1</Misc4>
  <UpdatedBy>HELIT </UpdatedBy>
  <UpdatedDate>2007-11-27T00:00:01.867+01:00</UpdatedDate>
  <Status>0</Status>
</PostCodeDate><PostCodeDate>
  <CountryCode>SE</CountryCode>
  <PostCode>10150</PostCode>
  <Location>STOCKHOLM</Location>
  <Linehaul>0117</Linehaul>
  <HandlingOffice>4210</HandlingOffice>
  <SubDepot>4210</SubDepot>
  <DepotOffice>4210</DepotOffice>
  <Deviating>0</Deviating>
  <Express>1</Express>
  <Normal>0</Normal>
  <Misc2>0</Misc2>
  <Misc3>0</Misc3>
  <Misc4>0</Misc4>
  <UpdatedBy>LAAI</UpdatedBy>
  <UpdatedDate>2006-11-28T00:00:01.46+01:00</UpdatedDate>
  <Status>1</Status>
</PostCodeDate><PostCodeDate>
  <CountryCode>SE</CountryCode>
  <PostCode>10151</PostCode>
  <Location>STOCKHOLM</Location>
  <Linehaul>0117</Linehaul>

```



```

<HandlingOffice>4210</HandlingOffice>
<SubDepot>4210</SubDepot>
<DepotOffice>4210</DepotOffice>
<Deviating>0</Deviating>
<Express>1</Express>
<Normal>0</Normal>
<Misc2>0</Misc2>
<Misc3>0</Misc3>
<Misc4>0</Misc4>
<UpdatedBy>AG4ANSV</UpdatedBy>
<UpdatedDate>2006-11-28T00:00:01.46+01:00</UpdatedDate>
<Status>1</Status>
</PostCodeDate>

```

5 Types

5.1 SearchPostCode

Attribute	Required / Cardinality	Type / Length	Description
CountryCode	N/A	String	Country code
PostCode	N/A	String	Post code
Location	N/A	String	Place for the post code
Description	N/A	String	Combined string of post code and place

5.2 PostCodeDetail / PostCodeDate

Attribute	Required / Cardinality	Type / Length	Description
CountryCode	N/A	String	Country code
PostCode	N/A	String	Post code
Location	N/A	String	Place for the post code
Linehaul	N/A	String	Linehaul
HandlingOffice	N/A	String	HandlingOffice
SubDepot	N/A	String	SubDepot
DepotOffice	N/A	String	DepotOffice
Deviating	N/A	String	Deviating
Express	N/A	String	Express

Normal	N/A	String	Normal
Misc2	N/A	String	Misc2
Misc3	N/A	String	Misc3
Misc4	N/A	String	Misc4
UpdatedBy	N/A	String	User name for the last update
UpdatedDate	N/A	String	Date for the last update
Status	N/A	String	Status, 1 = Deleted

6 Soap envelope

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ns1="http://dhlpostcode.dhl.com/">
  <SOAP-ENV:Body>
    <ns1:SearchPostCode>
      <ns1:strUser?></ns1:strUser>
      <ns1:strPwd?></ns1:strPwd>
      <ns1:strCountryCode>SE</ns1:strCountryCode>
      <ns1:strPostCode>561%</ns1:strPostCode>
      <ns1:strPlace?></ns1:strPlace>
    </ns1:SearchPostCode>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```