



DHL Sweden

*DHL TimeTable*  
*Web Service Specification*  
Version 1.2

Updated 2016-05-16

## Version history

Datum/version	Typ	Kommentar	Uppdat. av	Källa
2008-01-31 / 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. Added Spaa-Envelope sample	Peter Karlsson	DHL
2016-05-16 / Version 1.2	URL update	Updated URLfor PROD	Peter Karlsson	DHL

# DHL TimeTable – Web Service Specification

<b>1</b>	<b>Summary</b>	<b>4</b>
<b>2</b>	<b>Document versioning and status</b>	<b>4</b>
<b>3</b>	<b>General</b>	<b>4</b>
3.1	Public endpoints	4
3.2	Security	4
3.3	Error Handling	4
<b>4</b>	<b>DHL TimeTable operations</b>	<b>5</b>
4.1	GetTimeTable operation	5
4.1.1	GetTimeTable Request	5
4.1.2	GetTimeTable Response	6
4.1.3	XML Response schema	6
<b>5</b>	<b>Types</b>	<b>7</b>
5.1	Information	7
5.2	TimeTable	7
5.3	TimeTableOrg	7
<b>6</b>	<b>Soap envelope</b>	<b>9</b>

## 1 Summary

This document describes how to communicate with the web service DHL TimeTable. 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	<a href="https://www.dhltoolboxtest.se/DHLTimeTableWS/TimeTable.asmx">https://www.dhltoolboxtest.se/DHLTimeTableWS/TimeTable.asmx</a>
PRODUCTION	<a href="https://www.dhltoolbox.se/DHLTimeTableWS/TimeTable.asmx">https://www.dhltoolbox.se/DHLTimeTableWS/TimeTable.asmx</a>

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 TimeTable operations

DHL TimeTable Service manages requests of time table information from the main frame. This section describes the operations exposed by the service.

### 4.1 *GetTimeTable operation*

The operation gets time table information.

Request:

GetTimeTable Request



Response:

GetTimeTable Response

#### 4.1.1 GetTimeTable Request

Parameter	Message part	Required / Cardinality	Type / Length	Description
User	Body	Yes	String	User: TimeTableAppUser
Password	Body	Yes	String	Password: TTA%Pwd06
Type	Body	Yes	Integer	1 = Styckegods
CountryCode	Body	Yes	String	SE or NO
PickupPostCode	Body	Yes	String	Post code for the pickup place
PickupPlace	Body	No	String	Prepared for sending in place instead of post code, not in operation
DeliveryCountryCode	Body		String	SE or NO
DeliveryPostCode	Body	Yes	String	Post code for the delivery place
DeliveryPlace	Body	No	String	Prepared for sending in place instead of post code, not in operation
EarliestSent	Body	Yes	Boolean	If passed date is required pickup date (true) or required delivery date (false)

Date	Body	Yes	DateTime	Required date
HolidayCheck	Body	Yes	Boolean	If holiday check should be done (true) or not (false)

#### 4.1.2 GetTimeTable Response

Parameter	Message part	Type / Length	Description
Information	Body	Information	XML tag <Information>, 1 occurrence
TimeTable	Body	TimeTable	XML tag <TimeTable>, 3 occurrences
TimeTableOrg	Body	TimeTableOrg	XML tag <TimeTableOrg>, several occurrences Returns an exact copy of the time table in the main frame, one row for every start day

#### 4.1.3 XML Response schema

```

<xs:element name="Information">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="PickupCountryCode" type="xs:string" />
      <xs:element name="PickupPostCode" type="xs:string" />
      <xs:element name="PickupPlace" type="xs:string" />
      <xs:element name="DeliveryCountryCode" type="xs:string" />
      <xs:element name="DeliveryPostCode" type="xs:string" />
      <xs:element name="DeliveryPlace" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="TimeTable">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Product" type="xs:string" />
      <xs:element name="PickupDateString" type="xs:string" />
      <xs:element name="DeliveryDateString" type="xs:string" />
      <xs:element name="Options" type="xs:string" />
      <xs:element name="PickupDate" type="xs:dateTime" />
      <xs:element name="DeliveryDate" type="xs:dateTime" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="TimeTableOrg">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="sAvgTerminal" type="xs:string" />
      <xs:element name="oPickup" type="xs:string" />
      <xs:element name="oAvgTerm" type="xs:string" />
      <xs:element name="oAnkTerm" type="xs:string" />
      <xs:element name="oAvgDistTerm" type="xs:string" />
      <xs:element name="oLossar" type="xs:string" />
      <xs:element name="sGTjanst" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```
</xs:sequence>
</xs:complexType>
</xs:element>
```

## 5 Types

### 5.1 Information

Attribute	Required / Cardinality	Type / Length	Description
PickupCountryCode	N/A	String	Passed CountryCode
PickupPostCode	N/A	String	Passed PickupPostCode
PickupPlace	N/A	String	Place for pickup post code
DeliveryCountryCode	N/A	String	Passed DeliveryCountryCode
DeliveryPostCode	N/A	String	Passed DeliveryPostCode
DeliveryPlace	N/A	String	Place for delivery post code

### 5.2 TimeTable

Attribute	Required / Cardinality	Type / Length	Description
Product	N/A	String	Name of product
PickupDateString	N/A	String	Pickup date in the format: day yyyy-mm-dd hh.mm - hh.mm
DeliveryDateString	N/A	String	Delivery date in the format: day yyyy-mm-dd hh.mm - hh.mm
Options	N/A	String	List of available guarantee delivery options
PickupDate	N/A	DateTime	Pickup date
DeliveryDate	N/A	DateTime	Delivery date

### 5.3 TimeTableOrg

Attribute	Required / Cardinality	Type / Length	Description
AvgTerminal	N/A	String	Terminal number of the departure terminal
Pickup	N/A	String	Time span for the pickup



AvgTerm	N/A	String	Departure from terminal
AnkTerm	N/A	String	Arrival to terminal
AvgDistTerm	N/A	String	Departure distant terminal
Lossar	N/A	String	Time span for unload
GTjanst	N/A	String	Available guarantee delivery options



## 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://dhl timetable.dhl.com/">
  <SOAP-ENV:Body>
    <ns1:GetTimeTable>
      <ns1:strUser>?</ns1:strUser>
      <ns1:strPwd>?</ns1:strPwd>
      <ns1:intType>1</ns1:intType>
      <ns1:strCountryCode>SE</ns1:strCountryCode>
      <ns1:strPickupPostCode>56141</ns1:strPickupPostCode>
      <ns1:strPickupPlace>HUSKVARNA</ns1:strPickupPlace>
      <ns1:strDeliveryCountryCode>SE</ns1:strDeliveryCountryCode>
      <ns1:strDeliveryPostCode>50189</ns1:strDeliveryPostCode>
      <ns1:strDeliveryPlace>BORÅS</ns1:strDeliveryPlace>
      <ns1:blnEarliestSent>true</ns1:blnEarliestSent>
      <ns1:dtDate>2016-02-25</ns1:dtDate>
      <ns1:blnHolidayCheck>true</ns1:blnHolidayCheck>
    </ns1:GetTimeTable>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```