

Full Visibility – DHL ACT WebServices



WebServices available for Customers – Shipment Info & Tracking events & POD Images



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1. Introduction

1.1. Introduction – Feature Overview

Welcome to DHL Freight's Active Tracing Web Service program. It provides an alternative API access to DHL Freight's online Track & Trace solution 'Active Tracing' (at <https://activetracing.dhl.com>).

1.2. About the Documentation

This document provides the information required to implement the Active Tracing WebServices, to allow your internal Application to have immediate access to:

- Shipment Details
- Latest Shipment Status & Location
- Full Tracking Event History
- POD (Proof Of Delivery) documents

for all of your shipments, based on your DHL Account Number(s).

A prerequisite of using the AcT WebServices is that you must first have a registered 'myACT' Active Tracing login – your myACT login will be configured with your DHL Account Number(s), whereby all AcT WebService Responses will be limited to those shipments with matching DHL Account Number(s) configured against your myACT login.

Section 2 describes some basic information required for the implementation of the WebServices, and Section 3 provides full details of all Request & Response parameters for all Operations available, with full Parameter Tables & example Requests & Responses.

1.3. Feedback and Support

In case you need further help, please contact your local DHL Freight support contact.

1.4. What you need to know – technical skills

This document addresses web developers who aim to improve shipment service integrations of their enterprise tools. In order to access the web service, a SOAP protocol is used. i.e. developers should be familiar with XML and have a basic understanding of Web Services.

2. Quickstart Guide - 2 Steps to setup

2.1. Setup of an Active Tracing myAcT login

Before you start invoking the Active Tracing WS calls, make sure your system is set up appropriately. DHL Freight will first support you to ensure that you first have an Active Tracing myACT login setup, with your DHL Account details configured – this myACT user Login & Password are required within all of your WS Requests.

All example WS Requests provided in Section 3 use the following example myACT login “act.ws.test@dhl.com” & password „WebServiceT3st”.

2.2. Setup your WS SOAP Requests

The Web Services definition and schema files are required for developing applications with the DHL Web Services API:

WSDL: <https://actws.dhl.com/shipmentTrackingWsV4/services/shipmentTrackingWsV4?wsdl>

3. Description of the WebService

Section 3 of this document provides complete Input & Output parameter listings for all 5 Operations available. In general the xsd and the wsdl definitions are the master definitions of the web service input and output structure.

General principles:

- The XSD is not strict. You can create valid XML for an invalid request, e.g. by providing a town name AND a zip code. This has been done to keep the XML simple.
- For all requests you have to specify the credentials of the user (myACT login)

3.1 The 5 Web Service operations

There are 5 WS Operations available, which offer different options for searching for shipments, where some Operations provide different levels of info, as follows.

- 1) **GetConsignmentsByIdentifier**: can be used if one Order-Code, Shipment-ID, Package-ID or ActiveTracing Internal-ID is known.

Shipment Info	Included in Response
Shipment Details (including Addresses)	Yes
Latest Status & Location	Yes
Full Event History	Yes
Reference List (all refs on Shipment)	No
Package List	No

- 2) **GetConsignmentsByReference**: can be used if an exact Customer Reference String of a shipment is known.

Shipment Info	Included in Response
Shipment Details (including Addresses)	Yes
Latest Status & Location	Yes
Full Event History	Yes
Reference List (all refs on Shipment)	No
Package List	No

- 3) **GetConsignmentsByAccountNumbers**: returns all shipments, based on your Customer DHL Account Number(s).

Shipment Info	Included in Response
Shipment Details (including Addresses)	Yes
Latest Status & Location	Yes
Full Event History	No
Reference List (all refs on Shipment)	No
Package List	No

- 4) **GetConsignmentDetails**: The benefit of this Operation (over GetConsignmentsByIdentifier) is that it provides the Full list of all References & Package List, not provided by any other Operation.

Shipment Info	Included in Response
Shipment Details (including Addresses)	Yes
Latest Status & Location	Yes
Full Event History	Yes
Reference List (all refs on Shipment)	Yes
Package List	Yes

- 5) **GetEpodsSync**: can be used to retrieve the ePods of shipments immediately (synchronous) and is suitable for up to 10 Shipment-IDs, per Request.

Shipment Info	Included in Response
Shipment Details (including Addresses)	Yes
Latest Status & Location	Yes
Full Event History	Yes
Reference List (all refs on Shipment)	No
Package List	No

3.2 WS Operation: “GetConsignmentsByIdentifier”

3.2.1 Description

This operation executes the shipment tracking search by using a given identifier like DHL Order-Code, Shipment-ID, Package-ID, or internal DHL Active Tracing Database ID.

Usually it should normally only return one shipment, but may possibly return multiple shipments in rare cases.

3.2.2 Request - Input Parameters

Argument	Type	Occurrence	Example	Meaning
Security	Container	Required		
security. <wsse:Username>	String	Required	act.ws.test@dhl.com	This should be the Active Tracing myACT login ID setup for you - for Security reasons, this limits the Shipments that can be returned via WebService, so that only shipments which match the Customer Account Number(s) configured against your myACT login will be available via WebService.
security. <wsse:Password>	String	Required	WebServiceT3st	This should be the password for your myACT login ID.
consignmentIdentification	Container	Required		
consignmentIdentification. <identification>	String	Required	DEM2016021402	The Shipment-ID to be used to identify your shipment.
consignmentIdentification. <identificationType>	String	Required	generic	identificationType defines the type of Shipment Identifier being sent in Request - it can be one of 5 values: 1) actDBId: This ID is the unique ID for a freight shipment in our ActiveTracing database. 2) orderCode: This ID is the DHL Order-Code of a DHL Freight shipment. 3) domesticShipmentId: This ID is a Shipment-ID for Domestic shipments. 4) packageId: One shipment consists of 0-many Package-IDs. 5) generic: By setting type as "generic", any of the above 4 Shipment ID Types can be used in the Request.
<responseLocale>	String	Optional	EN	This allows the return of Tracking Event Descriptions in up to 7 languages available in Active Tracing - EN/DE/ES/FR/SE/PL/IT. If no <responseLocale> parameter is provided, it defaults to return in EN (English).

3.2.3 Response – Output parameters

Argument	Type	Occurrence	Example	Meaning
consignmentIdentification	Container	Always		
consignmentIdentification. <identification>	String	Always	DEM2016021402	This will return the value sent within the Request.
consignmentIdentification. <identificationType>	String	Always	generic	This will return the value sent within the Request.
consignment	Container; repeatable [0..*]	Always		
consignment. <actDbId>	String	Always	180472229	Not relevant for Customer usage unless the Operation „GetConsignmentDetails“ needs to be used. Operation „GetConsignmentDetails“ provides Package IDs (not returned by any other Operation), but only works by sending this <actDbId> in the Request.
consignment. <orderCode>	String	Optional		This is the DHL Freight Shipment-ID for International Shipments, and some Domestic shipments - all International Shipments should have a value here.
consignment. domesticShipmentData	Container	Optional		
consignment.domesticShip mentData. <id>	String	Optional	DEM2016021402	If no Shipment-ID is returned within the <orderCode>, then a Domestic Shipment-ID will be returned here instead.
consignment.domesticShip mentData. <originSystemCode>	String	Always	DEM	[Not relevant for Customer usage]
consignment.domesticShip mentData. <originCountryCode>	String	Always	DE	[Not relevant for Customer usage]
consignment. <consignorName>	String	Always	DHL FREIGHT DEMO SHIPPER	Shipper - Name
consignment. consignorAddress	Container	Always		
consignment.consignorAdd ress. <city>	String	Always	BONN	Shipper Address - City
consignment.consignorAdd ress. <street>	String	Always	GODESBERGER ALLEE 102-104	Shipper Address - Street
consignment.consignorAdd ress. <ZIP>	String	Always	53175	Shipper Address - ZIP
consignment.consignorAdd ress. <country>	String	Always	DE	Shipper Address - Country
consignment. <consigneeName>	String	Always	TAPIS RENT SPRL	Consignee - Name
consignment. consigneeAddress	Container	Always		
consignment.consigneeAd dress. <city>	String	Always	EUPEN	Consignee Address - City

consignment.consigneeAddress. <street>	String	Always	RUE DU COMMERCE 14	Consignee Address - Street
consignment.consigneeAddress. <ZIP>	String	Always	4700	Consignee Address - ZIP
consignment.consigneeAddress. <country>	String	Always	BE	Consignee Address - Country
consignment. <weight>	String	Always	0	Weight
consignment. <volume>	String	Always	0.000	Volume
consignment. <loadingMeter>	String	Always	0.00	Loading Meters
consignment. <numberOfColli>	String	Always	0	Number of Packages
consignment. <numberOfPallets>	String	Always	1	Number of Pallets
consignment. latestEvent	Container	Always		
consignment.latestEvent. eventKey	Container	Always		
consignment.latestEvent.eventKey. <eventCode>	String	Always	21	[Not relevant for Customer usage]
consignment.latestEvent.eventKey. <reasonCode>	String	Always	0	[Not relevant for Customer usage]
consignment.latestEvent. <eventDescription>	String	Always	Delivered	Event Description
consignment.latestEvent. <eventDate>	String	Always	2016-02-15+01:00	Event Date (YYYY-MM-DD)
consignment.latestEvent. <eventTime>	String	Always	11:11:00.000+01:00	Event Time (HH:MM)
consignment.latestEvent. <terminalCode>	String	Always	AAH	Event Terminal - Code (always 3-characters)
consignment.latestEvent. <terminalName>	String	Always	AACHEN	Event Terminal - Name
consignment.latestEvent. <terminalCountry>	String	Always	DE	Event Terminal - Country Code
consignment. <productCode>	String	Always	ER	DHL Freight Product Code
consignment. <productName>	String	Optional	DHL Freight Eurapid International	DHL Freight Product Name
consignment. <customerReference>	String	Always	20139583997	Customer Reference
consignment. <pickupDate>	String	Optional	2016-02-14+01:00	Date Shipment Collected (YYYY-MM-DD). Only included for shipments that have been Collected.
consignment. <fixedDeliveryDate>	String	Optional	2016-02-14+01:00	Fixed Delivery Date (YYYY-MM-DD). Only included for shipments with Feature „FDD“ (with <featureCode> of „FDD“).
consignment. <committedDeliveryDate>	String	Optional	2016-02-16+01:00	Committed Delivery Date (YYYY-MM-DD). Only included for shipments where a Committed Delivery Date has been defined.
consignment. <deliveredDate>	String	Optional	2016-02-16+01:00	Date Shipment Delivered (YYYY-MM-DD). Only included for Delivered shipments with IOD.
consignment. <receivedBy>	String	Optional	JOHN SMITH	The IOD Receiver Name , who signed for the Delivered shipment. Only included for Delivered shipments with IOD.
consignment. <receivedDate>	String	Optional	2016-02-15+01:00	The IOD Date shipment was Delivered. Only included for Delivered shipments with IOD. This

				date is the same as <deliveredDate>.
consignment. <receivedTime>	String	Optional	11:11:00.000+01:00	The IOD Time shipment was Delivered. Only included for Delivered shipments with IOD.
consignment. <laterDeliveryDate>	String	Optional	2016-02-15+01:00	Appointment Date. If DHL has Booked In the Shipment with the Consignee to be delivered on a preferred date, then this „Appointment Date“ agreed with the Consignee should be returned here.
consignment. features	Container	Always		If there exists no Features on shipment, this Container will be empty.
consignment.features feature	Container; repeatabl e [0..*]	Optional		
consignment.features.featur e. <featureCode>	String	Optional	BOI / INS / END / E12 / E10 / FDD / AD	DHL Freight Feature Code
consignment.features.featur e. <featureName>	String	Optional	„Fixed Delivery Date“ / „Express Delivery Pre 12“	DHL Freight Feature Name
consignment. eventHistory	Container	Always		
consignment.eventHistory eventData	Container; repeatabl e [0..*]	Always		
consignment.eventHistory. eventData.eventKey. <eventCode>	String	Always	13	[Not relevant for Customer usage]
consignment.eventHistory. eventData.eventKey. <reasonCode>	String	Always	0	[Not relevant for Customer usage]
consignment.eventHistory. eventData.eventKey. <eventDescription>	String	Always	Collected	Event Description
consignment.eventHistory. eventData.eventKey. <eventDate>	String	Always	2016-02-14+01:00	Event Date (YYYY-MM-DD)
consignment.eventHistory. eventData.eventKey. <eventTime>	String	Always	10:16:00.000+01:00	Event Time (HH:MM)
consignment.eventHistory. eventData.eventKey. <terminalCode>	String	Always	CGN	Event Terminal - Code (always 3 characters)
consignment.eventHistory. eventData.eventKey. <terminalName>	String	Always	COLOGNE / KÖLN	Event Terminal - Name
consignment.eventHistory. eventData.eventKey. <terminalCountry>	String	Always	DE	Event Terminal - Country Code

3.2.4 Example Request & Response

*** GetConsignmentsByIdentifier Request ***

```
<soapenv:Envelope xmlns:ship="http://www.dhl.com/freight/activetracing/shipmenttrackingService/"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Header>
    <wsse:Security
      xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-
1.0.xsd"
      xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-
1.0.xsd"
      soapenv:mustUnderstand="1">
      <wsse:UsernameToken wsu:Id="UsernameToken-1">
        <wsse:Username>act.ws.test@dhl.com</wsse:Username>
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
username-token-profile-1.0#PasswordText">WebServiceT3st</wsse:Password>
      </wsse:UsernameToken>
    </wsse:Security>
  </soapenv:Header>
  <soapenv:Body>
    <ship:GetConsignmentsByIdentifierRequest>
      <consignmentIdentification>
        <identification>DEM2016021402</identification>
        <identificationType>generic</identificationType>
      </consignmentIdentification>
    </ship:GetConsignmentsByIdentifierRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

*** GetConsignmentsByIdentifier Response ***

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns2:GetConsignmentsByIdentifierResponse
      xmlns:ns2="http://www.dhl.com/freight/activetracing/shipmenttrackingService/">
      <consignmentIdentification>
        <identification>DEM2016021402</identification>
        <identificationType>generic</identificationType>
      </consignmentIdentification>
      <consignment>
        <actDbId>180472229</actDbId>
        <orderCode/>
        <domesticShipmentData>
          <id>DEM2016021402</id>
          <originSystemCode>DEM</originSystemCode>
          <originCountryCode>DE</originCountryCode>
        </domesticShipmentData>
        <consignorName>DHL FREIGHT DEMO SHIPPER</consignorName>
        <consignorAddress>
          <city>BONN</city>
          <street>GODESBERGER ALLEE 102-104</street>
          <zip>53175</zip>
          <country>DE</country>
        </consignorAddress>
        <consigneeName>TAPIS RENT SPRL</consigneeName>
        <consigneeAddress>
          <city>EUPEN</city>
          <street>RUE DU COMMERCE 14</street>
          <zip>4700</zip>
          <country>BE</country>
        </consigneeAddress>
        <weight>0</weight>
        <volume>0.000</volume>
        <loadingMeter>0.00</loadingMeter>
        <numberOfColli>0</numberOfColli>
```

```

<numberOfPallets>0</numberOfPallets>
<latestEvent>
  <eventKey>
    <eventCode>21</eventCode>
    <reasonCode>0</reasonCode>
  </eventKey>
  <eventDescription>Delivered</eventDescription>
  <eventDate>2016-02-15+01:00</eventDate>
  <eventTime>11:11:00.000+01:00</eventTime>
  <terminalCode>AAH</terminalCode>
  <terminalName>AACHEN</terminalName>
  <terminalCountry>DE</terminalCountry>
</latestEvent>
<productCode>ER</productCode>
<productName>DHL Freight Eurapid International</productName>
<customerReference>20139583997</customerReference>
<pickupDate>2016-02-14+01:00</pickupDate>
<fixedDeliveryDate>2016-02-15+01:00</fixedDeliveryDate>
<committedDeliveryDate>2016-02-15+01:00</committedDeliveryDate>
<deliveredDate>2016-02-15+01:00</deliveredDate>
<receivedBy>JOHN SMITH</receivedBy>
<receivedDate>2016-02-15+01:00</receivedDate>
<receivedTime>11:11:00.000+01:00</receivedTime>
<laterDeliveryDate>2016-02-15+01:00</laterDeliveryDate>
<features>
  <feature>
    <featureCode>AD</featureCode>
    <featureName>Pre Advise</featureName>
  </feature>
  <feature>
    <featureCode>E12</featureCode>
    <featureName>Express delivery Pre 12</featureName>
  </feature>
  <feature>
    <featureCode>FDD</featureCode>
    <featureName>Fixed Delivery Date</featureName>
  </feature>
</features>
<eventHistory>
  <eventData>
    <eventKey>
      <eventCode>13</eventCode>
      <reasonCode>0</reasonCode>
    </eventKey>
    <eventDescription>Collected</eventDescription>
    <eventDate>2016-02-14+01:00</eventDate>
    <eventTime xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"/>
    <terminalCode>CGN</terminalCode>
    <terminalName>COLOGNE / KÖLN</terminalName>
    <terminalCountry>DE</terminalCountry>
  </eventData>
  <eventData>
    <eventKey>
      <eventCode>1</eventCode>
      <reasonCode>0</reasonCode>
    </eventKey>
    <eventDescription>Received at terminal</eventDescription>
    <eventDate>2016-02-14+01:00</eventDate>
    <eventTime>10:16:00.000+01:00</eventTime>
    <terminalCode>CGN</terminalCode>
    <terminalName>COLOGNE / KÖLN</terminalName>
    <terminalCountry>DE</terminalCountry>
  </eventData>
  <eventData>
    <eventKey>
      <eventCode>24</eventCode>
      <reasonCode>0</reasonCode>
    </eventKey>
    <eventDescription>Shipped from terminal</eventDescription>
    <eventDate>2016-02-14+01:00</eventDate>
    <eventTime>18:33:00.000+01:00</eventTime>
    <terminalCode>CGN</terminalCode>
    <terminalName>COLOGNE / KÖLN</terminalName>
    <terminalCountry>DE</terminalCountry>
  </eventData>

```

```
<eventData>
  <eventKey>
    <eventCode>1</eventCode>
    <reasonCode>0</reasonCode>
  </eventKey>
  <eventDescription>Received at terminal</eventDescription>
  <eventDate>2016-02-15+01:00</eventDate>
  <eventTime>03:03:00.000+01:00</eventTime>
  <terminalCode>AAH</terminalCode>
  <terminalName>AACHEN</terminalName>
  <terminalCountry>DE</terminalCountry>
</eventData>
<eventData>
  <eventKey>
    <eventCode>24</eventCode>
    <reasonCode>501</reasonCode>
  </eventKey>
  <eventDescription>Out for Delivery</eventDescription>
  <eventDate>2016-02-15+01:00</eventDate>
  <eventTime>07:43:00.000+01:00</eventTime>
  <terminalCode>AAH</terminalCode>
  <terminalName>AACHEN</terminalName>
  <terminalCountry>DE</terminalCountry>
</eventData>
<eventData>
  <eventKey>
    <eventCode>21</eventCode>
    <reasonCode>0</reasonCode>
  </eventKey>
  <eventDescription>Delivered</eventDescription>
  <eventDate>2016-02-15+01:00</eventDate>
  <eventTime>11:11:00.000+01:00</eventTime>
  <terminalCode>AAH</terminalCode>
  <terminalName>AACHEN</terminalName>
  <terminalCountry>DE</terminalCountry>
</eventData>
</eventHistory>
</consignment>
</ns2:GetConsignmentsByIdentifierResponse>
</soap:Body>
</soap:Envelope>
```

3.3 WS Operation: “GetConsignmentsByReference”

3.3.1 Description

This operation executes the shipment tracking search by using a given customer reference.

It may return multiple results. All shipments of the result are filtered by the account numbers of the requesting user for MyAct user.

3.3.2 Request - Input Parameters

Argument	Type	Occurrence	Example	Meaning
Security	Container	Required		
security. <wsse:Username>	String	Required	act.ws.test@dhl.com	This should be the Active Tracing myACT login ID setup for you - for Security reasons, this limits the Shipments that can be returned via WebService, so that only shipments which match the Customer Account Number(s) configured against your myACT login will be available via WebService.
security. <wsse:Password>	String	Required	WebServiceT3st	This should be the password for your myACT login ID.
referenceData	Container	Required		
referenceData. <reference>	String	Required	DEMO_987654321	The exact customer reference string. (exact match)
referenceData. <referenceType>	String	Required	ALL	The referenceType defines the type of Shipment Reference being sent in Request - it can be one of 3 values: 1) CONSIGNOR: The reference is a Consignor ref. 2) CONSIGNEE: The reference is a Consignee ref. 3) ALL: The reference can be Consignor ref or Consignee ref. It is recommended to use ALL.
<responseLocale>	String	Optional	EN	This allows the return of Tracking Event Descriptions in up to 7 languages available in Active Tracing - EN/DE/ES/FR/SE/PL/IT. If no <responseLocale> parameter is provided, it defaults to return in EN (English).
<resultSize>	Integer	Optional	10	Amount of shipments to be returned from the offset If not given up to 1000 Shipments are returned.

3.3.3 Response – Output parameters

Argument	Type	Occurrence	Example	Meaning
referenceData	Container	Always		
referenceData. <reference>	String	Always	DEMO_987654321	This will return the value sent within the Request.
referenceData. <referenceType>	String	Always	generic	This will return the value sent within the Request.
consignment	Container; repeatable [0..*]	Always		
consignment. <actDbId>	String	Always	185375077	Not relevant for Customer usage unless the Operation „GetConsignmentDetails“ needs to be used. Operation „GetConsignmentDetails“ provides Package IDs (not returned by any other Operation), but only works by sending this <actDbId> in the Request.
consignment. <orderCode>	String	Optional		This is the DHL Freight Shipment-ID for International Shipments, and some Domestic shipments - all International Shipments should have a value here.
consignment. domesticShipmentData	Container	Optional		
consignment.domesticShipmentData. <id>	String	Optional	DEM2016032702	If no Shipment-ID is returned within the <orderCode>, then a Domestic Shipment-ID will be returned here instead.
consignment.domesticShipmentData. <originSystemCode>	String	Always	DEM	[Not relevant for Customer usage]
consignment.domesticShipmentData. <originCountryCode>	String	Always	DE	[Not relevant for Customer usage]
consignment. <consignorName>	String	Always	DHL FREIGHT DEMO SHIPPER	Shipper - Name
consignment. consignorAddress	Container	Always		
consignment.consignorAddress. <city>	String	Always	BONN	Shipper Address - City
consignment.consignorAddress. <street>	String	Always	GODESBERGER ALLEE 102-104	Shipper Address - Street
consignment.consignorAddress. <ZIP>	String	Always	53175	Shipper Address - ZIP
consignment.consignorAddress. <country>	String	Always	DE	Shipper Address - Country
consignment. <consigneeName>	String	Always	TAPIS RENT SPRL	Consignee - Name
consignment. consigneeAddress	Container	Always		
consignment.consigneeAddress. <city>	String	Always	EUPEN	Consignee Address - City

consignment.consigneeAddress. <street>	String	Always	RUE DU COMMERCE 14	Consignee Address - Street
consignment.consigneeAddress. <ZIP>	String	Always	4700	Consignee Address - ZIP
consignment.consigneeAddress. <country>	String	Always	BE	Consignee Address - Country
consignment. <weight>	String	Always	0	Weight
consignment. <volume>	String	Always	0.000	Volume
consignment. <loadingMeter>	String	Always	0.00	Loading Meters
consignment. <numberOfColli>	String	Always	0	Number of Packages
consignment. <numberOfPallets>	String	Always	1	Number of Pallets
consignment. latestEvent	Container	Always		
consignment.latestEvent. eventKey	Container	Always		
consignment.latestEvent.e ventKey. <eventCode>	String	Always	21	[Not relevant for Customer usage]
consignment.latestEvent.e ventKey. <reasonCode>	String	Always	0	[Not relevant for Customer usage]
consignment.latestEvent. <eventDescription>	String	Always	Delivered	Event Description
consignment.latestEvent. <eventDate>	String	Always	2016-02-15+01:00	Event Date (YYYY-MM-DD)
consignment.latestEvent. <eventTime>	String	Always	11:11:00.000+01:00	Event Time (HH:MM)
consignment.latestEvent. <terminalCode>	String	Always	AAH	Event Terminal - Code (always 3-characters)
consignment.latestEvent. <terminalName>	String	Always	AACHEN	Event Terminal - Name
consignment.latestEvent. <terminalCountry>	String	Always	DE	Event Terminal - Country Code
consignment. <productCode>	String	Always	ER	DHL Freight Product Code
consignment. <productName>	String	Optional	DHL Freight Eurapid International	DHL Freight Product Name
consignment. <customerReference>	String	Always	20139583997	Customer Reference
consignment. <pickupDate>	String	Optional	2016-02-14+01:00	Date Shipment Collected (YYYY-MM-DD). Only included for shipments that have been Collected.
consignment. <fixedDeliveryDate>	String	Optional	2016-02-14+01:00	Fixed Delivery Date (YYYY-MM-DD). Only included for shipments with Feature „FDD“ (with <featureCode> of „FDD“).
consignment. <committedDeliveryDate>	String	Optional	2016-02-16+01:00	Committed Delivery Date (YYYY-MM-DD). Should be included for Eurapid Product (ER/DR) shipments.
consignment. <deliveredDate>	String	Optional	2016-02-16+01:00	Date Shipment Delivered (YYYY-MM-DD). Only included for Delivered shipments with IOD.
consignment. <receivedBy>	String	Optional	JOHN SMITH	The IOD Receiver Name , who signed for the Delivered shipment. This will only be included for Delivered shipments with IOD.
consignment. <receivedDate>	String	Optional	2016-02-15+01:00	The IOD Date shipment was Delivered. Only included for Delivered shipments with IOD. This date is the same as <deliveredDate>.

consignment. <receivedTime>	String	Optional	11:11:00.000+01:00	The IOD Time shipment was Delivered. Only included for Delivered shipments with IOD.
consignment. <laterDeliveryDate>	String	Optional	2016-02-15+01:00	Appointment Date. If DHL has Booked In the Shipment with the Consignee to be delivered on a preferred date, then this „Appointment Date“ agreed with the Consignee should be returned here.
consignment. features	Container	Always		If there exists no Features on shipment, this Container will be empty.
consignment.features feature	Container; repeatable [0..*]	Optional		
consignment.features.feature. <featureCode>	String	Optional	BOI / INS / END / E12 / E10 / FDD / AD	DHL Freight Feature Code
consignment.features.feature. <featureName>	String	Optional	„Fixed Delivery Date“ / „Express Delivery Pre 12“	DHL Freight Feature Name
consignment. eventHistory	Container	Always		
consignment.eventHistory eventData	Container; repeatable [0..*]	Always		
consignment.eventHistory. eventData.eventKey. <eventCode>	String	Always	13	[Not relevant for Customer usage]
consignment.eventHistory. eventData.eventKey. <reasonCode>	String	Always	0	[Not relevant for Customer usage]
consignment.eventHistory. eventData.eventKey. <eventDescription>	String	Always	Collected	Event Description
consignment.eventHistory. eventData.eventKey. <eventDate>	String	Always	2016-02-14+01:00	Event Date (YYYY-MM-DD)
consignment.eventHistory. eventData.eventKey. <eventTime>	String	Always	10:16:00.000+01:00	Event Time (HH:MM)
consignment.eventHistory. eventData.eventKey. <terminalCode>	String	Always	CGN	Event Terminal - Code (always 3 characters)
consignment.eventHistory. eventData.eventKey. <terminalName>	String	Always	COLOGNE / KÖLN	Event Terminal - Name
consignment.eventHistory. eventData.eventKey. <terminalCountry>	String	Always	DE	Event Terminal - Country Code

3.3.4 Example Request & Response

*** GetConsignmentByReference Request ***

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ship="http://www.dhl.com/freight/activetracing/shipmenttrackingService/"
  <soapenv:Header>
    <wsse:Security
      xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"
      xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
      soapenv:mustUnderstand="1">
        <wsse:UsernameToken wsu:Id="UsernameToken-1">
          <wsse:Username>act.ws.test@dhl.com</wsse:Username>
          <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-
profile-1.0#PasswordText">WebServiceT3st</wsse:Password>
        </wsse:UsernameToken>
      </wsse:Security>
    </soapenv:Header>
    <soapenv:Body>
      <ship:GetConsignmentsByReferenceRequest>
        <referenceData>
          <reference>DEMO_987654321</reference>
          <referenceType>ALL</referenceType>
        </referenceData>
      </ship:GetConsignmentsByReferenceRequest>
    </soapenv:Body>
  </soapenv:Envelope>
```

*** GetConsignmentsByReference Response ***

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns2:GetConsignmentsByReferenceResponse
xmlns:ns2="http://www.dhl.com/freight/activetracing/shipmenttrackingService/"
      <referenceData>
        <reference>DEMO_987654321</reference>
        <referenceType>ALL</referenceType>
      </referenceData>
      <consignment>
        <actDbId>185375077</actDbId>
        <orderCode/>
        <domesticShipmentData>
          <id>DEM2016032702</id>
          <originSystemCode>DEM</originSystemCode>
          <originCountryCode>DE</originCountryCode>
        </domesticShipmentData>
        <consignorName>DHL FREIGHT DEMO SHIPPER</consignorName>
        <consignorAddress>
          <city>BONN</city>
          <street>GODESBERGER ALLEE 102-104</street>
          <zip>53175</zip>
          <country>DE</country>
        </consignorAddress>
        <consigneeName>TAPIS RENT SPRL</consigneeName>
        <consigneeAddress>
          <city>EUPEN</city>
          <street>RUE DU COMMERCE 14</street>
          <zip>4700</zip>
          <country>BE</country>
        </consigneeAddress>
        <weight>0</weight>
        <volume>0.000</volume>
        <loadingMeter>0.00</loadingMeter>
        <numberOfColli>0</numberOfColli>
        <numberOfPallets>0</numberOfPallets>
        <latestEvent>
          <eventKey>
            <eventCode>21</eventCode>
```

```

        <reasonCode>0</reasonCode>
    </eventKey>
    <eventDescription>Delivered</eventDescription>
    <eventDate>2016-03-28+02:00</eventDate>
    <eventTime>11:11:00.000+02:00</eventTime>
    <terminalCode>AAH</terminalCode>
    <terminalName>AACHEN</terminalName>
    <terminalCountry>DE</terminalCountry>
</latestEvent>
<productCode>ER</productCode>
<productName>DHL Freight Eurapid International</productName>
<customerReference>DEMO_987654321</customerReference>
<pickupDate>2016-03-27+02:00</pickupDate>
<fixedDeliveryDate>2016-02-15+01:00</fixedDeliveryDate>
<committedDeliveryDate>2016-02-15+01:00</committedDeliveryDate>
<deliveredDate>2016-02-15+01:00</deliveredDate>
<receivedBy>JOHN SMITH</receivedBy>
<receivedDate>2016-03-28+02:00</receivedDate>
<receivedTime>11:11:00.000+02:00</receivedTime>
<laterDeliveryDate>2016-02-15+01:00</laterDeliveryDate>
<features>
    <feature>
        <featureCode>AD</featureCode>
        <featureName>Pre Advise</featureName>
    </feature>
    <feature>
        <featureCode>E12</featureCode>
        <featureName>Express delivery Pre 12</featureName>
    </feature>
    <feature>
        <featureCode>FDD</featureCode>
        <featureName>Fixed Delivery Date</featureName>
    </feature>
</features>
<eventHistory>
    <eventData>
        <eventKey>
            <eventCode>13</eventCode>
            <reasonCode>0</reasonCode>
        </eventKey>
        <eventDescription>Collected</eventDescription>
        <eventDate>2016-03-27+02:00</eventDate>
        <eventTime xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
        <terminalCode>CGN</terminalCode>
        <terminalName>COLOGNE / KÖLN</terminalName>
        <terminalCountry>DE</terminalCountry>
    </eventData>
    <eventData>
        <eventKey>
            <eventCode>1</eventCode>
            <reasonCode>0</reasonCode>
        </eventKey>
        <eventDescription>Received at terminal</eventDescription>
        <eventDate>2016-03-27+02:00</eventDate>
        <eventTime>10:16:00.000+02:00</eventTime>
        <terminalCode>CGN</terminalCode>
        <terminalName>COLOGNE / KÖLN</terminalName>
        <terminalCountry>DE</terminalCountry>
    </eventData>
    <eventData>
        <eventKey>
            <eventCode>24</eventCode>
            <reasonCode>0</reasonCode>
        </eventKey>
        <eventDescription>Shipped from terminal</eventDescription>
        <eventDate>2016-03-27+02:00</eventDate>
        <eventTime>18:33:00.000+02:00</eventTime>
        <terminalCode>CGN</terminalCode>
        <terminalName>COLOGNE / KÖLN</terminalName>
        <terminalCountry>DE</terminalCountry>
    </eventData>
    <eventData>
        <eventKey>
            <eventCode>1</eventCode>
            <reasonCode>0</reasonCode>
        </eventKey>
    </eventData>

```

```

        <eventDescription>Received at terminal</eventDescription>
        <eventDate>2016-03-28+02:00</eventDate>
        <eventTime>03:03:00.000+02:00</eventTime>
        <terminalCode>AAH</terminalCode>
        <terminalName>AACHEN</terminalName>
        <terminalCountry>DE</terminalCountry>
    </eventData>
    <eventData>
        <eventKey>
            <eventCode>24</eventCode>
            <reasonCode>501</reasonCode>
        </eventKey>
        <eventDescription>Out for Delivery</eventDescription>
        <eventDate>2016-03-28+02:00</eventDate>
        <eventTime>07:43:00.000+02:00</eventTime>
        <terminalCode>AAH</terminalCode>
        <terminalName>AACHEN</terminalName>
        <terminalCountry>DE</terminalCountry>
    </eventData>
    <eventData>
        <eventKey>
            <eventCode>21</eventCode>
            <reasonCode>0</reasonCode>
        </eventKey>
        <eventDescription>Delivered</eventDescription>
        <eventDate>2016-03-28+02:00</eventDate>
        <eventTime>11:11:00.000+02:00</eventTime>
        <terminalCode>AAH</terminalCode>
        <terminalName>AACHEN</terminalName>
        <terminalCountry>DE</terminalCountry>
    </eventData>
</eventHistory>
</consignment>

```

.
 .
 .

```

<consignment>
<actDbId>165847565</actDbId>
<orderCode/>
<domesticShipmentData>
    <id>DEM2015101102</id>
    <originSystemCode>DEM</originSystemCode>
    <originCountryCode>DE</originCountryCode>
</domesticShipmentData>
<consignorName>DHL FREIGHT DEMO SHIPPER</consignorName>
<consignorAddress>
    <city>BONN</city>
    <street>GODESBERGER ALLEE 102-104</street>
    <zip>53175</zip>
    <country>DE</country>
</consignorAddress>
<consigneeName>TAPIS RENT SPRL</consigneeName>
<consigneeAddress>
    <city>EUPEN</city>
    <street>RUE DU COMMERCE 14</street>
    <zip>4700</zip>
    <country>BE</country>
</consigneeAddress>
<weight>126</weight>
<volume>0.120</volume>
<loadingMeter>0.00</loadingMeter>
<numberOfColli>8</numberOfColli>
<numberOfPallets>0</numberOfPallets>
<latestEvent>
    <eventKey>
        <eventCode>21</eventCode>
        <reasonCode>0</reasonCode>
    </eventKey>
    <eventDescription>Delivered</eventDescription>
    <eventDate>2015-10-12+02:00</eventDate>
    <eventTime>11:11:00.000+02:00</eventTime>
    <terminalCode>AAH</terminalCode>
    <terminalName>AACHEN</terminalName>
    <terminalCountry>DE</terminalCountry>

```

```
</latestEvent>
<productCode>ER</productCode>
<productName>DHL Freight Eurapid International</productName>
<customerReference>DEMO_987654321</customerReference>
<pickupDate>2016-02-11+02:00</pickupDate>
<fixedDeliveryDate>2016-02-15+01:00</fixedDeliveryDate>
<committedDeliveryDate>2016-02-12+01:00</committedDeliveryDate>
<deliveredDate>2015-10-12+02:00</deliveredDate>
<receivedBy>JOHN SMITH</receivedBy>
<receivedDate>2016-03-28+02:00</receivedDate>
<receivedTime>11:11:00.000+02:00</receivedTime>
<laterDeliveryDate>2016-02-12+01:00</laterDeliveryDate>
<features>
  <feature>
    <featureCode>AD</featureCode>
    <featureName>Pre Advise</featureName>
  </feature>
  <feature>
    <featureCode>E12</featureCode>
    <featureName>Express delivery Pre 12</featureName>
  </feature>
</features>
<eventHistory>
  <eventData>
    <eventKey>
      <eventCode>13</eventCode>
      <reasonCode>0</reasonCode>
    </eventKey>
    <eventDescription>Collected</eventDescription>
    <eventDate>2015-10-11+02:00</eventDate>
    <eventTime xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
    <terminalCode>CGN</terminalCode>
    <terminalName>COLOGNE / KÖLN</terminalName>
    <terminalCountry>DE</terminalCountry>
  </eventData>
  <eventData>
    <eventKey>
      <eventCode>1</eventCode>
      <reasonCode>0</reasonCode>
    </eventKey>
    <eventDescription>Received at terminal</eventDescription>
    <eventDate>2015-10-11+02:00</eventDate>
    <eventTime>10:16:00.000+02:00</eventTime>
    <terminalCode>CGN</terminalCode>
    <terminalName>COLOGNE / KÖLN</terminalName>
    <terminalCountry>DE</terminalCountry>
  </eventData>
  <eventData>
    <eventKey>
      <eventCode>24</eventCode>
      <reasonCode>0</reasonCode>
    </eventKey>
    <eventDescription>Shipped from terminal</eventDescription>
    <eventDate>2015-10-11+02:00</eventDate>
    <eventTime>18:33:00.000+02:00</eventTime>
    <terminalCode>CGN</terminalCode>
    <terminalName>COLOGNE / KÖLN</terminalName>
    <terminalCountry>DE</terminalCountry>
  </eventData>
  <eventData>
    <eventKey>
      <eventCode>1</eventCode>
      <reasonCode>0</reasonCode>
    </eventKey>
    <eventDescription>Received at terminal</eventDescription>
    <eventDate>2015-10-12+02:00</eventDate>
    <eventTime>03:03:00.000+02:00</eventTime>
    <terminalCode>AAH</terminalCode>
    <terminalName>AACHEN</terminalName>
    <terminalCountry>DE</terminalCountry>
  </eventData>
  <eventData>
    <eventKey>
      <eventCode>24</eventCode>
      <reasonCode>501</reasonCode>
    </eventKey>
```

```
<eventDescription>Out for Delivery</eventDescription>
<eventDate>2015-10-12+02:00</eventDate>
<eventTime>07:43:00.000+02:00</eventTime>
<terminalCode>AAH</terminalCode>
<terminalName>AACHEN</terminalName>
<terminalCountry>DE</terminalCountry>
</eventData>
<eventData>
  <eventKey>
    <eventCode>21</eventCode>
    <reasonCode>0</reasonCode>
  </eventKey>
  <eventDescription>Delivered</eventDescription>
  <eventDate>2015-10-12+02:00</eventDate>
  <eventTime>11:11:00.000+02:00</eventTime>
  <terminalCode>AAH</terminalCode>
  <terminalName>AACHEN</terminalName>
  <terminalCountry>DE</terminalCountry>
</eventData>
</eventHistory>
</consignment>
</ns2:GetConsignmentsByReferenceResponse>
</soap:Body>
</soap:Envelope>
```

3.4 WS Operation: “GetConsignmentsByAccountNumbers”

3.4.1 Description

This operation returns details of all of your shipments, based on the DHL Account Number(s) setup within your Active Tracing myACT profile settings.

If there are multiple DHL Account Numbers setup within your Active Tracing myACT profile, then it is possible to send within the Webservice Requests the details of specific DHL Account Number(s), in order to limit the shipments returned to only those shipments on these Account Number(s).

- If requesting shipments for specific Account Numbers, the WS Request requires 4 mandatory values (within the Container of <accountNumberData>) to allow the correct identification of your shipments: <systemCode>, <countryCode>, <accountNumber>, and <accountType>.

In order to further limit the number of shipments returned, the Operation offers a number of optional Date parameters to limit the shipments only to more recent shipments, and also further filtering parameters to limit the results based on origin/destination country, and some Delivery address values.

Unlike other Operations, GetConsignmentsByAccountNumbers does not return the full Tracking Event history for shipments (received within Container <eventHistory> in other Operation Responses). Instead, it provides only the current Status/Location of each shipment (within Container <latestEvent>).

If full Tracking Event history is required for a shipment returned in a Response from GetConsignmentsByAccountNumbers, then a 2nd operation GetConsignmentsByIdentifier should be used (by using one of the Consignment Identifiers returned from operation GetConsignmentsByAccountNumbers).

3.4.2 Request - Input Parameters

Argument	Type	Occurrence	Example	Meaning
Security	Container	Required		
security. <wsse:Username>	String	Required	act.ws.test@dhl.com	This should be the Active Tracing myACT login ID setup for you - for Security reasons, this limits the Shipments that can be returned via Webservice, so that only shipments which match the Customer Account Number(s) configured against your myACT login will be available via Webservice.
security. <wsse:Password>	String	Required	WebserviceT3st	This should be the password for your myACT login ID.
accountNumberData	Container	Optional / Required		As described above in 3.4.1 Description, sending a Request with no <accountNumberData> defined will return Shipments belonging to all DHL Customer Account Numbers configured against your Active Tracing myACT login profile (where you send login ID & Password within all Requests).

				If it may be the case that you have more than one DHL Customer Account Number configured against your Active Tracing myACT login, then in order to limit the Shipments returned to only certain DHL Account Numbers, then you must send <accountNumberData> Container with the following 4 additional Account Number parameters <systemCode>; <countryCode>; <accountNumber> & <accountType>. The example Requests in 3.4.4 below shows both a Request with no <accountNumberData> and another with <accountNumberData>.
accountNumberData. <systemCode>	String	Optional / Required	DEM	This is an internal DHL System Code required to correctly identify your specific Customer Account Number – some of the most common System Codes that you may need to provide for your account are listed below: - Code „CC“ : for most countries in central Europe - Code „AX“ : for Nordic & Baltic countries - Code „UNI“ : for Germany Some other codes may be possibly be required for any Domestic shipments you may have - if you are not certain which Code should be used for your Account, please confirm with your local DHL contact:
accountNumberData. <countryCode>	String	Optional / Required	DE	This is the Country Code that your DHL Account Number belongs to.
accountNumberData. <accountNumber>	String	Optional / Required	DEM401300387	This is your DHL Account Number.
accountNumberData. <accountType>	String	Optional / Required	ALL	This Account Type code involves whether your DHL Account Number was the “CZ” (Consignor) Invoiced Account (for an Export), or, was the “CN” (Consignee) Invoiced Account (for an Import). It is recommended to send value “ALL” to prevent any risk of some of your shipments not being identified.
<originCountry>	String	Optional		The origin country will be checked against the “Consignor” & “Pickup” addresses of a shipment. This parameter will have a negative influence on the response time if it is set in the request.
<destinationCountry>	String	Optional		The destination country will be checked against the “Consignee” & “Delivery Party” addresses of a shipment. This parameter will have a negative influence on the response time if it is set in the request.
<destinationCity>	String	Optional		The destination city will be checked against the “Consignee” & “Delivery Party” addresses of a shipment. This parameter will have a negative influence on the response time if it is set in the request.
<destinationZip>	String	Optional		The destination Zip will be checked against the “Consignee” & “Delivery Party” addresses of a shipment. This parameter will have a negative influence on the response time if it is set in the request.

<eventDataRange>	Int	Optional		The event date range in days of the latest Shipment Status update date. Filtering with this criteria will then return only shipments where the last status occurred within the last [value of eventDataRange]-days.
<pickupDataRange>	Int	Optional		The event date range in days of the latest Shipment Status update date. Filtering with this criteria will then return only shipments where the last status occurred within the last [value of eventDataRange]-days. The range in days from now as a date range for the lookup (e.g. last 30 days); every date range between 1-180 days is possible. The higher the range is the higher is the negative influence on the response time
<updateDateRange>	Container	Optional		If updateDateRangeFrom and updateDateRangeTill is filled with a valid value the result only contains shipments where the latest Status of a shipment was changed in this range. To avoid getting one event multiple times in several requests the DateRangeFrom should be the DateRangeTill from the last request. If this element isn't filled the result will consider the date range for 1970-01-01 to now.
updateDateRange.<dateRangeFrom>	Date	Optional		The From date for your range. If updateDateRange.<dateRangeFrom> is not set 1970-01-01 will be used as default
updateDateRange.<dateRangeTill>	Date	Optional		If updateDateRange.<dateRangeTill> is not set the current timestamp will be used.
<productCode>	String	Optional	EC / ER / EF	If this parameter is given, only shipments with the specified Product Code will be within the response.
<responseLocale>	String	Optional	EN	This allows the return of Tracking Event Descriptions in up to 7 languages available in Active Tracing - EN/DE/ES/FR/SE/PL/IT. If no <responseLocale> parameter is provided, it defaults to return in EN (English).

3.4.3 Response – Output parameters

Argument	Type	Occurrence	Example	Meaning
consignment	Container; repeatable [0..*]	Always		
consignment.<actDbId>	String	Always	182166868	Not relevant for Customer usage unless the Operation „GetConsignmentDetails“ needs to be used. Operation „GetConsignmentDetails“ provides Package IDs (not returned by any other Operation),

				but only works by sending this <actDbld> in the Request.
consignment. <orderCode>	String	Optional		This is the DHL Freight Shipment-ID for International Shipments, and some Domestic shipments - all International Shipments should have a value here.
consignment. domesticShipmentData	Container	Optional		
consignment.domesticShip mentData. <id>	String	Optional	DEM2016022801	If no Shipment-ID is returned within the <orderCode>, then a Domestic Shipment-ID will be returned here instead.
consignment.domesticShip mentData. <originSystemCode>	String	Always	DEM	[Not relevant for Customer usage]
consignment.domesticShip mentData. <originCountryCode>	String	Always	DE	[Not relevant for Customer usage]
consignment. <consignorName>	String	Always	DHL FREIGHT DEMO SHIPPER	Shipper - Name
consignment. consignorAddress	Container	Always		
consignment.consignorAdd ress. <city>	String	Always	BONN	Shipper Address - City
consignment.consignorAdd ress. <street>	String	Always	GODESBERGER ALLEE 102-104	Shipper Address - Street
consignment.consignorAdd ress. <ZIP>	String	Always	53175	Shipper Address - ZIP
consignment.consignorAdd ress. <country>	String	Always	DE	Shipper Address - Country
consignment. <consigneeName>	String	Always	TAPIS RENT SPRL	Consignee - Name
consignment. consigneeAddress	Container	Always		
consignment.consigneeAd dress. <city>	String	Always	EUPEN	Consignee Address - City
consignment.consigneeAd dress. <street>	String	Always	RUE DU COMMERCE 14	Consignee Address - Street
consignment.consigneeAd dress. <ZIP>	String	Always	4700	Consignee Address - ZIP
consignment.consigneeAd dress. <country>	String	Always	BE	Consignee Address - Country
consignment. <weight>	String	Always	0	Weight
consignment. <volume>	String	Always	0.000	Volume
consignment. <loadingMeter>	String	Always	0.00	Loading Meters
consignment. <numberOfColli>	String	Always	0	Number of Packages
consignment. <numberOfPallets>	String	Always	1	Number of Pallets
consignment. latestEvent	Container	Always		
consignment.latestEvent.	Container	Always		

eventKey				
consignment.latestEvent.eventKey. <eventCode>	String	Always	21	[Not relevant for Customer usage]
consignment.latestEvent.eventKey. <reasonCode>	String	Always	0	[Not relevant for Customer usage]
consignment.latestEvent. <eventDescription>	String	Always	Delivered	Event Description
consignment.latestEvent. <eventDate>	String	Always	2016-02-15+01:00	Event Date (YYYY-MM-DD)
consignment.latestEvent. <eventTime>	String	Always	11:11:00.000+01:00	Event Time (HH:MM)
consignment.latestEvent. <terminalCode>	String	Always	AAH	Event Terminal - Code (always 3-characters)
consignment.latestEvent. <terminalName>	String	Always	AACHEN	Event Terminal - Name
consignment.latestEvent. <terminalCountry>	String	Always	DE	Event Terminal - Country Code
consignment. <productCode>	String	Always	ER	DHL Freight Product Code
consignment. <productName>	String	Optional	DHL Freight Eurapid International	DHL Freight Product Name
consignment. <customerReference>	String	Always	20139583997	Customer Reference
consignment. <pickupDate>	String	Optional	2016-02-14+01:00	Date Shipment Collected (YYYY-MM-DD). Only included for shipments that have been Collected.
consignment. <fixedDeliveryDate>	String	Optional	2016-02-14+01:00	Fixed Delivery Date (YYYY-MM-DD). Only included for shipments with Feature „FDD“ (with <featureCode> of „FDD“).
consignment. <committedDeliveryDate>	String	Optional	2016-02-16+01:00	Committed Delivery Date (YYYY-MM-DD). Should be included for Eurapid Product (ER/DR) shipments.
consignment. <deliveredDate>	String	Optional	2016-02-16+01:00	Date Shipment Delivered (YYYY-MM-DD). Only included for Delivered shipments with IOD.
consignment. <receivedBy>	String	Optional	JOHN SMITH	The IOD Receiver Name , who signed for the Delivered shipment. Only included for Delivered shipments with IOD.
consignment. <receivedDate>	String	Optional	2016-02-15+01:00	The IOD Date shipment was Delivered. Only included for Delivered shipments with IOD. This date is the same as <deliveredDate>.
consignment. <receivedTime>	String	Optional	11:11:00.000+01:00	The IOD Time shipment was Delivered. Only included for Delivered shipments with IOD.
consignment. <laterDeliveryDate>	String	Optional	2016-02-15+01:00	Appointment Date. If DHL has Booked In the Shipment with the Consignee to be delivered on a preferred date, then this „Appointment Date“ agreed with the Consignee should be returned here.
consignment. features	Container	Always		If there exists no Features on shipment, this Container will be empty.
consignment.features feature	Container; repeatable [0..*]	Optional		
consignment.features.feature. <featureCode>	String	Optional	BOI / INS / END / E12 / E10 / FDD / AD	DHL Freight Feature Code
consignment.features.feature. <featureName>	String	Optional	„Fixed Delivery Date“ / „Express Delivery Pre 12“	DHL Freight Feature Name

3.4.4 Example Request & Response

*** GetConsignmentsByAccountNumbers Request - for all Accounts ***

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ship="http://www.dhl.com/freight/activetracing/shipmenttrackingService/"
  <soapenv:Header>
    <wsse:Security
      xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"
      xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
      soapenv:mustUnderstand="1">
        <wsse:UsernameToken wsu:Id="UsernameToken-1">
          <wsse:Username>act.ws.test@dhl.com</wsse:Username>
          <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-
profile-1.0#PasswordText">WebServiceT3st</wsse:Password>
        </wsse:UsernameToken>
      </wsse:Security>
    </soapenv:Header>
    <soapenv:Body>
      <ship:GetConsignmentsByAccountNumbersRequest>

      </ship:GetConsignmentsByAccountNumbersRequest>
    </soapenv:Body>
  </soapenv:Envelope>
```

*** GetConsignmentsByAccountNumbers Request - for one Account ***

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ship="http://www.dhl.com/freight/activetracing/shipmenttrackingService/"
  <soapenv:Header>
    <wsse:Security
      xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"
      xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
      soapenv:mustUnderstand="1">
        <wsse:UsernameToken wsu:Id="UsernameToken-1">
          <wsse:Username>act.ws.test@dhl.com</wsse:Username>
          <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-
profile-1.0#PasswordText">WebServiceT3st</wsse:Password>
        </wsse:UsernameToken>
      </wsse:Security>
    </soapenv:Header>
    <soapenv:Body>
      <ship:GetConsignmentsByAccountNumbersRequest>
        <accountNumberData>
          <systemCode>DEM</systemCode>
          <countryCode>DE</countryCode>
          <accountNumber>DEM401300387</accountNumber>
          <accountType>ALL</accountType>
        </accountNumberData>
      </ship:GetConsignmentsByAccountNumbersRequest>
    </soapenv:Body>
  </soapenv:Envelope>
```

*** GetConsignmentsByAccountNumbers Response ***

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  <soap:Body>
    <ns2:GetConsignmentsByAccountNumbersResponse
xmlns:ns2="http://www.dhl.com/freight/activetracing/shipmenttrackingService/"
      <consignment>
        <actDbId>185375076</actDbId>
        <orderCode/>
        <domesticShipmentData>
          <id>DEM2016032701</id>
          <originSystemCode>DEM</originSystemCode>
          <originCountryCode>DE</originCountryCode>
```

```

</domesticShipmentData>
<consignorName>DHL FREIGHT DEMO SHIPPER</consignorName>
<consignorAddress>
  <city>BONN</city>
  <street>GODESBERGER ALLEE 102-104</street>
  <zip>53175</zip>
  <country>DE</country>
</consignorAddress>
<consigneeName>URBINELLO MICHELE</consigneeName>
<consigneeAddress>
  <city>TARANTO</city>
  <street>VIA EMILIA, 136</street>
  <zip>74100</zip>
  <country>IT</country>
</consigneeAddress>
<weight>192</weight>
<volume>0.000</volume>
<loadingMeter>0.00</loadingMeter>
<numberOfColli>0</numberOfColli>
<numberOfPallets>1</numberOfPallets>
<latestEvent>
  <eventKey>
    <eventCode>21</eventCode>
    <reasonCode>0</reasonCode>
  </eventKey>
  <eventDescription>Delivered</eventDescription>
  <eventDate>2016-04-01+02:00</eventDate>
  <eventTime>12:01:00.000+02:00</eventTime>
  <terminalCode>BRI</terminalCode>
  <terminalName>BARI</terminalName>
  <terminalCountry>IT</terminalCountry>
</latestEvent>
<productCode>EC</productCode>
<productName>DHL Freight EuroConnect International</productName>
<customerReference>20139583006</customerReference>
<pickupDate>2016-03-27+02:00</pickupDate>
<fixedDeliveryDate>2016-02-15+01:00</fixedDeliveryDate>
<receivedBy>JOHN SMITH</receivedBy>
<receivedDate>2016-04-01+02:00</receivedDate>
<receivedTime>12:01:00.000+02:00</receivedTime>
<laterDeliveryDate>2016-04-02+02:00</laterDeliveryDate>
<features>
  <feature>
    <featureCode>FDD</featureCode>
    <featureName>Fixed Delivery Date</featureName>
  </feature>
</features>
</consignment>
.
.
.

<consignment>
  <actDbId>165847565</actDbId>
  <orderCode/>
  <domesticShipmentData>
    <id>DEM2015101102</id>
    <originSystemCode>DEM</originSystemCode>
    <originCountryCode>DE</originCountryCode>
  </domesticShipmentData>
  <consignorName>DHL FREIGHT DEMO SHIPPER</consignorName>
  <consignorAddress>
    <city>BONN</city>
    <street>GODESBERGER ALLEE 102-104</street>
    <zip>53175</zip>
    <country>DE</country>
  </consignorAddress>
  <consigneeName>TAPIS RENT SPRL</consigneeName>
  <consigneeAddress>
    <city>EUPEN</city>
    <street>RUE DU COMMERCE 14</street>
    <zip>4700</zip>
    <country>BE</country>
  </consigneeAddress>
  <weight>126</weight>
  <volume>0.120</volume>

```

```
<loadingMeter>0.00</loadingMeter>
<numberOfColli>8</numberOfColli>
<numberOfPallets>0</numberOfPallets>
<latestEvent>
  <eventKey>
    <eventCode>21</eventCode>
    <reasonCode>0</reasonCode>
  </eventKey>
  <eventDescription>Delivered</eventDescription>
  <eventDate>2015-10-12+02:00</eventDate>
  <eventTime>11:11:00.000+02:00</eventTime>
  <terminalCode>AAH</terminalCode>
  <terminalName>AACHEN</terminalName>
  <terminalCountry>DE</terminalCountry>
</latestEvent>
<productCode>ER</productCode>
<productName>DHL Freight Eurapid International</productName>
<customerReference>20139583997</customerReference>
<pickupDate>2015-10-11+02:00</pickupDate>
<committedDeliveryDate>2015-10-12+02:00</committedDeliveryDate>
<deliveredDate>2015-10-12+02:00</deliveredDate>
<receivedBy>JOHN SMITH</receivedBy>
<receivedDate>2015-10-12+02:00</receivedDate>
<receivedTime>11:11:00.000+02:00</receivedTime>
<features>
  <feature>
    <featureCode>E12</featureCode>
    <featureName>Express delivery Pre 12</featureName>
  </feature>
</features>
</consignment>
</ns2:GetConsignmentsByAccountNumbersResponse>
</soap:Body>
</soap:Envelope>
```

3.5 WS Operation: “GetConsignmentDetails”

3.5.1 Description

This Operation should only need to be used if Shipment Details which are not provided from other Operations is required, such as the Package IDs, but the other Operations already should provide most Shipment/Tracking info required.

A limitation of this Operation is that it cannot be used with DHL Order Codes, Shipment IDs, or Customer References – instead, it requires an Internal DHL ID, which is received within Tag <actDbId> in the Responses from the other 4 Operations. GetConsignmentDetails therefore requires the read & storage of this Active Tracing Internal-ID from a Response from another Operation before it can be used.

3.5.2 Request - Input Parameters

Argument	Type	Occurrence	Example	Meaning
Security	Container	Required		
security. <wsse:Username>	String	Required	act.ws.test@dhl.com	This should be the Active Tracing myACT login ID setup for you - for Security reasons, this limits the Shipments that can be returned via WebService, so that only shipments which match the Customer Account Number(s) configured against your myACT login will be available via WebService.
security. <wsse:Password>	String	Required	WebServiceT3st	This should be the password for your myACT login ID.
	Container	Required		
<actDbId>	String	Required	180472229	This is an DHL Internal ID to identify ship which is only available in the Responses from the other 4 Operations. To call this Operation ,GetConsignmentDetails' then requires the storage of this <actDbId> from the ID received for a specific shipment from another Opertaion Response.
<updateDateRange>	Container	Optional		If updateDateRangeFrom and updateDateRangeTill is filled with a valid value the resulting shipment only contains Tracking Events where the creation timestamp of the event is in the given range. To avoid getting one event multiple times in several requests the DateRangeFrom should be the DateRangeTill from the last request. If this element isn't filled the result will consider the date range for 1970-01-01 to now.
updateDateRange. <dateRangeFrom>	Date	Optional		The From date for your range. If updateDateRange.<dateRangeFrom> is not set 1970-01-01 will be used as default
updateDateRange. <dateRangeTill>	Date	Optional		If updateDateRange.<dateRangeTill> is not set the current timestamp will be used.

<responseLocale>	String	Optional	EN	This allows the return of Tracking Event Descriptions in up to 7 languages available in Active Tracing - EN/DE/ES/FR/SE/PL/IT. If no <responseLocale> parameter is provided, it defaults to return in EN (English).
------------------	--------	----------	----	---

3.5.3 Response – Output parameters

Argument	Type	Occurrence	Example	Meaning
consignment	Container; repeatable [0..*]	Always		
consignment. <actDbId>	String	Always	185375077	Not relevant for Customer usage unless the Operation „GetConsignmentDetails“ needs to be used. Operation „GetConsignmentDetails“ provides Package IDs (not returned by any other Operation), but only works by sending this <actDbId> in the Request.
consignment. <orderCode>	String	Optional		This is the DHL Freight Shipment-ID for International Shipments, and some Domestic shipments - all International Shipments should have a value here.
consignment. domesticShipmentData	Container	Optional		
consignment.domesticShip mentData. <id>	String	Optional	DEM2016032702	If no Shipment-ID is returned within the <orderCode>, then a Domestic Shipment-ID will be returned here instead.
consignment.domesticShip mentData. <originSystemCode>	String	Always	DEM	[Not relevant for Customer usage]
consignment.domesticShip mentData. <originCountryCode>	String	Always	DE	[Not relevant for Customer usage]
consignment. <consignorName>	String	Always	DHL FREIGHT DEMO SHIPPER	Shipper - Name
consignment. consignorAddress	Container	Always		
consignment.consignorAdd ress. <city>	String	Always	BONN	Shipper Address - City
consignment.consignorAdd ress. <street>	String	Always	GODESBERGER ALLEE 102-104	Shipper Address - Street
consignment.consignorAdd ress. <ZIP>	String	Always	53175	Shipper Address - ZIP
consignment.consignorAdd ress. <country>	String	Always	DE	Shipper Address - Country
consignment. <consigneeName>	String	Always	TAPIS RENT SPRL	Consignee - Name
consignment. consigneeAddress	Container	Always		
consignment.consigneeAd dress. <city>	String	Always	EUPEN	Consignee Address - City

consignment.consigneeAddress. <street>	String	Always	RUE DU COMMERCE 14	Consignee Address - Street
consignment.consigneeAddress. <ZIP>	String	Always	4700	Consignee Address - ZIP
consignment.consigneeAddress. <country>	String	Always	BE	Consignee Address - Country
consignment. <weight>	String	Always	0	Weight
consignment. <volume>	String	Always	0.000	Volume
consignment. <loadingMeter>	String	Always	0.00	Loading Meters
consignment. <numberOfColli>	String	Always	0	Number of Packages
consignment. <numberOfPallets>	String	Always	1	Number of Pallets
consignment. latestEvent	Container	Always		
consignment.latestEvent. eventKey	Container	Always		
consignment.latestEvent. eventKey. <eventCode>	String	Always	21	[Not relevant for Customer usage]
consignment.latestEvent. eventKey. <reasonCode>	String	Always	0	[Not relevant for Customer usage]
consignment.latestEvent. <eventDescription>	String	Always	Delivered	Event Description
consignment.latestEvent. <eventDate>	String	Always	2016-02-15+01:00	Event Date (YYYY-MM-DD)
consignment.latestEvent. <eventTime>	String	Always	11:11:00.000+01:00	Event Time (HH:MM)
consignment.latestEvent. <terminalCode>	String	Always	AAH	Event Terminal - Code (always 3-characters)
consignment.latestEvent. <terminalName>	String	Always	AACHEN	Event Terminal - Name
consignment.latestEvent. <terminalCountry>	String	Always	DE	Event Terminal - Country Code
consignment. <productCode>	String	Always	ER	DHL Freight Product Code
consignment. <productName>	String	Optional	DHL Freight Eurapid International	DHL Freight Product Name
consignment. <customerReference>	String	Always	20139583997	Customer Reference
consignment. <pickupDate>	String	Optional	2016-02-14+01:00	Date Shipment Collected (YYYY-MM-DD). Only included for shipments that have been Collected.
consignment. <fixedDeliveryDate>	String	Optional	2016-02-14+01:00	Fixed Delivery Date (YYYY-MM-DD). Only included for shipments with Feature „FDD“ (with <featureCode> of „FDD“).
consignment. <committedDeliveryDate>	String	Optional	2016-02-16+01:00	Committed Delivery Date (YYYY-MM-DD). Should be included for Eurapid Product (ER/DR) shipments.
consignment. <deliveredDate>	String	Optional	2016-02-16+01:00	Date Shipment Delivered (YYYY-MM-DD). Only included for Delivered shipments with IOD.
consignment. <receivedBy>	String	Optional	JOHN SMITH	The Receiver Name , who signed for the Delivered shipment. This will only be included for Delivered shipments with IOD.
consignment. <receivedDate>	String	Optional	2016-02-15+01:00	The IOD Date shipment was Delivered. Only included for Delivered shipments with IOD. This date is the same as <deliveredDate>.

consignment. <receivedTime>	String	Optional	11:11:00.000+01:00	The IOD Time shipment was Delivered. Only included for Delivered shipments with IOD.
consignment. <laterDeliveryDate>	String	Optional	2016-02-15+01:00	Appointment Date. If DHL has Booked In the Shipment with the Consignee to be delivered on a preferred date, then this „Appointment Date“ agreed with the Consignee should be returned here.
consignment. domesticShipmentData	Container	Optional		
consignment.domesticShipmentData. <id>	String	Optional	DEM2016032702	If no Shipment-ID is returned within the <orderCode>, then a Domestic Shipment-ID will be returned here instead.
consignment.domesticShipmentData. <originSystemCode>	String	Always	DEM	[Not relevant for Customer usage]
consignment.domesticShipmentData. <originCountryCode>	String	Always	DE	[Not relevant for Customer usage]
consignment. referenceDataList	Container	Optional		
consignment. referenceDataList. referenceData	Container repeatable [0..*]	Optional		
consignment.referenceDataList.referenceData. <reference>	String	Optional	DEM2016032702	The value of the Consignor or Consignee Reference.
consignment.referenceDataList.referenceData. <referenceType>	String	Optional	CONSIGNEE / CONSIGNOR	The reference type can either be „CONSIGNEE“ or „CONSIGNOR“, to indicate whether the value of the <reference> is a Consignor or Consignee reference.
consignment. eventHistory	Container	Always		
consignment. eventHistory. eventData	Container; repeatable [0..*]	Always		
consignment.eventHistory. eventData.eventKey. <eventCode>	String	Always	13	[Not relevant for Customer usage]
consignment.eventHistory. eventData.eventKey. <reasonCode>	String	Always	0	[Not relevant for Customer usage]
consignment.eventHistory. eventData.eventKey. <eventDescription>	String	Always	Collected	Event Description
consignment.eventHistory. eventData.eventKey. <eventDate>	String	Always	2016-02-14+01:00	Event Date (YYYY-MM-DD)
consignment.eventHistory. eventData.eventKey. <eventTime>	String	Always	10:16:00.000+01:00	Event Time (HH:MM) In some cases the events will be provided without the event time information: - Consignment in Pre advice state - Pickup event - Event time is 00:00:00
consignment.eventHistory. eventData.eventKey. <terminalCode>	String	Always	CGN	Event Terminal - Code (always 3 characters)
consignment.eventHistory. eventData.eventKey. <terminalName>	String	Always	COLOGNE / KÖLN	Event Terminal – Name In some cases the events will be provided without

				the event terminal information: - Consignment in Pre advice state
consignment.eventHistory. eventData.eventKey. <terminalCountry>	String	Always	DE	Event Terminal - Country Code
consignment. packageList	Container	Always		
consignment. packageList. packageData	Container; repeatabl e [0..*]	Always		
consignment.packageList.P ackageData. <packageId>	String	Always		The Package identifier (Licence Plate / Barcode)

3.5.4 Example Request & Response

*** GetConsignmentDetails Request ***

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ship="http://www.dhl.com/freight/activetracing/shipmenttrackingService/"
  <soapenv:Header>
    <wsse:Security
      xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"
      xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
      soapenv:mustUnderstand="1">
      <wsse:UsernameToken wsu:Id="UsernameToken-1">
        <wsse:Username>act.ws.test@dhl.com</wsse:Username>
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-
profile-1.0#PasswordText">WebServiceT3st</wsse:Password>
      </wsse:UsernameToken>
    </wsse:Security>
  </soapenv:Header>
  <soapenv:Body>
    <ship:GetConsignmentDetailsRequest>
      <actDbId>180472229</actDbId>
    </ship:GetConsignmentDetailsRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

*** GetConsignmentDetails Response ***

NOTE: This example has no value for <Order-Code> (always populated for International shipments).

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  <soap:Body>
    <ns2:GetConsignmentDetailsResponse
xmlns:ns2="http://www.dhl.com/freight/activetracing/shipmenttrackingService/"
      <consignment>
        <actDbId>180472229</actDbId>
        <orderCode/>
        <domesticShipmentData>
          <id>DEM2016021402</id>
          <originSystemCode>DEM</originSystemCode>
          <originCountryCode>DE</originCountryCode>
        </domesticShipmentData>
        <consignorName>DHL FREIGHT DEMO SHIPPER</consignorName>
        <consignorAddress>
          <city>BONN</city>
          <street>GODESBERGER ALLEE 102-104</street>
          <zip>53175</zip>
          <country>DE</country>
```

```

</consignorAddress>
<consigneeName>TAPIS RENT SPRL</consigneeName>
<consigneeAddress>
  <city>EUPEN</city>
  <street>RUE DU COMMERCE 14</street>
  <zip>4700</zip>
  <country>BE</country>
</consigneeAddress>
<weight>0</weight>
<volume>0.000</volume>
<loadingMeter>0.00</loadingMeter>
<numberOfColli>0</numberOfColli>
<numberOfPallets>0</numberOfPallets>
<latestEvent>
  <eventKey>
    <eventCode>21</eventCode>
    <reasonCode>0</reasonCode>
  </eventKey>
  <eventDescription>Delivered</eventDescription>
  <eventDate>2016-02-15+01:00</eventDate>
  <eventTime>11:11:00.000+01:00</eventTime>
  <terminalCode>AAH</terminalCode>
  <terminalName>AACHEN</terminalName>
  <terminalCountry>DE</terminalCountry>
</latestEvent>
<productCode>ER</productCode>
<productName>DHL Freight Eurapid International</productName>
<customerReference>DEMO_987654321</customerReference>
<pickupDate>2016-02-14+01:00</pickupDate>
<receivedBy>JOHN SMITH</receivedBy>
<receivedDate>2016-02-15+01:00</receivedDate>
<receivedTime>11:11:00.000+01:00</receivedTime>
<committedDeliveryDate>2017-08-17+02:00</committedDeliveryDate>
<laterDeliveryDate>2016-02-16+02:00</laterDeliveryDate>
<features>
  <feature>
    <featureCode>AD</featureCode>
    <featureName>Pre Advise</featureName>
  </feature>
  <feature>
    <featureCode>E12</featureCode>
    <featureName>Express delivery Pre 12</featureName>
  </feature>
  <feature>
    <featureCode>FDD</featureCode>
    <featureName>Fixed Delivery Date</featureName>
  </feature>
</features>
<domesticShipmentDataList>
  <domesticShipmentData>
    <id>DEM2016021402</id>
    <originSystemCode>DEM</originSystemCode>
    <originCountryCode>DE</originCountryCode>
  </domesticShipmentData>
</domesticShipmentDataList>
<referenceDataList>
  <referenceData>
    <reference>DEMO_987654321</reference>
    <referenceType>CONSIGNEE</referenceType>
  </referenceData>
  <referenceData>
    <reference>20139583997</reference>
    <referenceType>CONSIGNOR</referenceType>
  </referenceData>
</referenceDataList>
<eventHistory>
  <eventData>
    <eventKey>
      <eventCode>13</eventCode>
      <reasonCode>0</reasonCode>
    </eventKey>
    <eventDescription>Collected</eventDescription>
    <eventDate>2016-02-14+01:00</eventDate>
    <eventTime xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
    <terminalCode>CGN</terminalCode>
    <terminalName>COLOGNE / KÖLN</terminalName>
  </eventData>
</eventHistory>

```

```

        <terminalCountry>DE</terminalCountry>
    </eventData>
    <eventData>
        <eventKey>
            <eventCode>1</eventCode>
            <reasonCode>0</reasonCode>
        </eventKey>
        <eventDescription>Received at terminal</eventDescription>
        <eventDate>2016-02-14+01:00</eventDate>
        <eventTime>10:16:00.000+01:00</eventTime>
        <terminalCode>CGN</terminalCode>
        <terminalName>COLOGNE / KÖLN</terminalName>
        <terminalCountry>DE</terminalCountry>
    </eventData>
    <eventData>
        <eventKey>
            <eventCode>24</eventCode>
            <reasonCode>0</reasonCode>
        </eventKey>
        <eventDescription>Shipped from terminal</eventDescription>
        <eventDate>2016-02-14+01:00</eventDate>
        <eventTime>18:33:00.000+01:00</eventTime>
        <terminalCode>CGN</terminalCode>
        <terminalName>COLOGNE / KÖLN</terminalName>
        <terminalCountry>DE</terminalCountry>
    </eventData>
    <eventData>
        <eventKey>
            <eventCode>1</eventCode>
            <reasonCode>0</reasonCode>
        </eventKey>
        <eventDescription>Received at terminal</eventDescription>
        <eventDate>2016-02-15+01:00</eventDate>
        <eventTime>03:03:00.000+01:00</eventTime>
        <terminalCode>AAH</terminalCode>
        <terminalName>AACHEN</terminalName>
        <terminalCountry>DE</terminalCountry>
    </eventData>
    <eventData>
        <eventKey>
            <eventCode>24</eventCode>
            <reasonCode>501</reasonCode>
        </eventKey>
        <eventDescription>Out for Delivery</eventDescription>
        <eventDate>2016-02-15+01:00</eventDate>
        <eventTime>07:43:00.000+01:00</eventTime>
        <terminalCode>AAH</terminalCode>
        <terminalName>AACHEN</terminalName>
        <terminalCountry>DE</terminalCountry>
    </eventData>
    <eventData>
        <eventKey>
            <eventCode>21</eventCode>
            <reasonCode>0</reasonCode>
        </eventKey>
        <eventDescription>Delivered</eventDescription>
        <eventDate>2016-02-15+01:00</eventDate>
        <eventTime>11:11:00.000+01:00</eventTime>
        <terminalCode>AAH</terminalCode>
        <terminalName>AACHEN</terminalName>
        <terminalCountry>DE</terminalCountry>
    </eventData>
</eventHistory>
<packageList>
    <packageData>
        <Package-ID>DEM201602145000955162</Package-ID>
    </packageData>
    <packageData>
        <Package-ID>DEM201602145000955163</Package-ID>
    </packageData>
    <packageData>
        <Package-ID>DEM201602145000955164</Package-ID>
    </packageData>
    <packageData>
        <Package-ID>DEM201602145000955165</Package-ID>
    </packageData>

```

```
<packageData>
  <Package-ID>DEM201602145000955166</Package-ID>
</packageData>
<packageData>
  <Package-ID>DEM201602145000955167</Package-ID>
</packageData>
<packageData>
  <Package-ID>DEM201602145000955168</Package-ID>
</packageData>
<packageData>
  <Package-ID>DEM201602145000955169</Package-ID>
</packageData>
</packageList>
</consignment>
</ns2:GetConsignmentDetailsResponse>
</soap:Body>
</soap:Envelope>
```

3.6 WS Operation: “GetEpodsSync”

3.6.1 Description

This operation executes the epod search by using the given Shipment-IDs (maximum ten ids) and returns the result immediately.

3.6.2 Request - Input Parameters

Argument	Type	Occurrence	Example	Meaning
Security	Container	Required		
security. <wsse:Username>	String	Required	act.ws.test@dhl.com	This should be the Active Tracing myACT login ID setup for you - for Security reasons, this limits the Shipments that can be returned via WebService, so that only shipments which match the Customer Account Number(s) configured against your myACT login will be available via WebService.
security. <wsse:Password>	String	Required	WebServiceT3st	This should be the password for your myACT login ID.
consignmentIdentification	Container	Required		
consignmentIdentification. <identification>	String	Required	DEM2016021402	The Shipment-ID to be used to identify your shipment.
consignmentIdentification. <identificationType>	String	Required	generic	identificationType defines the type of Shipment Identifier being sent in Request - it can be one of 5 values: 1) actDBId: This ID is the unique ID for a freight shipment in our ActiveTracing database. 2) orderCode: This ID is the DHL Order-Code of a DHL Freight shipment. 3) domesticShipmentId: This ID is a Shipment-ID for Domestic shipments. 4) packageId: One shipment consists of 0-many Package-IDs. 5) generic: By setting type as "generic", any of the above 4 Shipment ID Types can be used in the Request.
<ePodWithTrackingData>	Boolean	Optional	false	Set true if the PDF must contain the tracking data of the shipment Set false if the PDF must only contain the ePOD The default setting is false. Please note that this parameter can only be used if the parameter “ePodConvertedToPDF” is set to true.

<ePodConvertedToPDF>	Boolean	Optional	false	Set true if the output format of the ePODs must be PDF. Set to false the origin format of the ePOD archive will be provided. It depends on the ePOD archive which format will be provided. The default setting is false. If true all ePODs of one shipment will be attached to one PDF-file. If false, all files will get the suffix “_N”, where N is number of current file in the filelist.
<responseLocale>	String	Optional	EN	This allows the return of Tracking Event Descriptions in up to 7 languages available in Active Tracing - EN/DE/ES/FR/SE/PL/IT. If no <responseLocale> parameter is provided, it defaults to return in EN (English).

3.6.3 Response – Output parameters

Argument	Type	Occurrence	Example	Meaning
ePodSearch	Container	Always		
ePodSearch. <totalNumberOfShipmentId>	Int	Always	1	The total number of Shipment-IDs that were transferred with the origin request.
ePodSearch. <totalNumberOfShipmentIdProcessed>	Int	Always	1	The total number of Shipment-IDs that were processed already with other responses and including this response.
ePodSearch. <numberOfShipmentIdWithinResponse>	Int	Always	1	The number of Shipment-IDs included in ePODSearchDetail
ePodSearch. <numberEpodAvailable>	Int	Always	1	The number of the Shipment-IDs for which an ePOD is available
ePodSearch. <numberEpodNotAvailable>	Int	Always	0	The number of the Shipment-IDs for which an ePOD is not available because not found in an ePOD archive
ePodSearch. <numberEpodFailure>	Int	Always	0	The number of the Shipment-IDs for which an ePOD is not available due to a technical failure during ePOD archive access
ePodSearch. ePODSearchDetail	Container; repeatable [0..*]	Always		
ePodSearch.ePODSearchDetail. <messageId>	String	Always	14	0 – ok 11 – Consignment not found in ACT 12 – More than one consignment is available with the consignment id 13 – ePOD not available - consignment isn't delivered yet 14 – ePOD not available in any ePOD archives 21 – failure occurred while accessing ePOD archive
ePodSearch.ePODSearchDetail. <messageText>	String	Always	ePOD not available in any ePOD archives	See above for the Message Text that should be received with each Message ID value 0 / 11 / 12 / 13 / 14 / 21.
ePodSearch.ePODSearchDetail. consignment	Container; repeatable [0..*]	Always		

ePodSearch.ePODSearchDetail.consignment. <actDbId>	String	Always	185375077	Not relevant for Customer usage unless the Operation „GetConsignmentDetails“ needs to be used. Operation „GetConsignmentDetails“ provides Package IDs (not returned by any other Operation), but only works by sending this <actDbId> in the Request.
ePodSearch.ePODSearchDetail.consignment. <orderCode>	String	Optional		This is the DHL Freight Shipment-ID for International Shipments, and some Domestic shipments - all International Shipments should have a value here.
ePodSearch.ePODSearchDetail.consignment. domesticShipmentData	Container	Optional		
ePodSearch.ePODSearchDetail.consignment.domesticShipmentData. <id>	String	Optional	DEM2016032702	If no Shipment-ID is returned within the <orderCode>, then a Domestic Shipment-ID will be returned here instead.
ePodSearch.ePODSearchDetail.consignment.domesticShipmentData. <originSystemCode>	String	Always	DEM	[Not relevant for Customer usage]
ePodSearch.ePODSearchDetail.consignment.domesticShipmentData. <originCountryCode>	String	Always	DE	[Not relevant for Customer usage]
ePodSearch.ePODSearchDetail.consignment. <consignorName>	String	Always	DHL FREIGHT DEMO SHIPPER	Shipper - Name
ePodSearch.ePODSearchDetail.consignment. consignorAddress	Container	Always		
ePodSearch.ePODSearchDetail.consignment.consignorAddress. <city>	String	Always	BONN	Shipper Address - City
ePodSearch.ePODSearchDetail.consignment.consignorAddress. <street>	String	Always	GODESBERGER ALLEE 102-104	Shipper Address - Street
ePodSearch.ePODSearchDetail.consignment.consignorAddress. <ZIP>	String	Always	53175	Shipper Address - ZIP
ePodSearch.ePODSearchDetail.consignment.consignorAddress. <country>	String	Always	DE	Shipper Address - Country
ePodSearch.ePODSearchDetail.consignment. <consigneeName>	String	Always	TAPIS RENT SPRL	Consignee - Name
ePodSearch.ePODSearchDetail.consignment. consigneeAddress	Container	Always		
ePodSearch.ePODSearchDetail.consignment.consigneeAddress. <city>	String	Always	EUPEN	Consignee Address - City

ePodSearch.ePODSearchDetail.consigneeAddress. <street>	String	Always	RUE DU COMMERCE 14	Consignee Address - Street
ePodSearch.ePODSearchDetail.consigneeAddress. <ZIP>	String	Always	4700	Consignee Address - ZIP
ePodSearch.ePODSearchDetail.consigneeAddress. <country>	String	Always	BE	Consignee Address - Country
ePodSearch.ePODSearchDetail.consignment. <weight>	String	Always	0	Weight
ePodSearch.ePODSearchDetail.consignment. <volume>	String	Always	0.000	Volume
ePodSearch.ePODSearchDetail.consignment. <loadingMeter>	String	Always	0.00	Loading Meters
ePodSearch.ePODSearchDetail.consignment. <numberOfColli>	String	Always	0	Number of Packages
ePodSearch.ePODSearchDetail.consignment. <numberOfPallets>	String	Always	1	Number of Pallets
ePodSearch.ePODSearchDetail.consignment. latestEvent	Container	Always		
ePodSearch.ePODSearchDetail.consignment.latestEvent. eventKey	Container	Always		
ePodSearch.ePODSearchDetail.consignment.latestEvent.eventKey. <eventCode>	String	Always	21	[Not relevant for Customer usage]
ePodSearch.ePODSearchDetail.consignment.latestEvent.eventKey. <reasonCode>	String	Always	0	[Not relevant for Customer usage]
ePodSearch.ePODSearchDetail.consignment.latestEvent. <eventDescription>	String	Always	Delivered	Event Description
ePodSearch.ePODSearchDetail.consignment.latestEvent. <eventDate>	String	Always	2016-02-15+01:00	Event Date (YYYY-MM-DD)
ePodSearch.ePODSearchDetail.consignment.latestEvent. <eventTime>	String	Always	11:11:00.000+01:00	Event Time (HH:MM)
ePodSearch.ePODSearchDetail.consignment.latestEvent. <terminalCode>	String	Always	AAH	Event Terminal - Code (always 3-characters)
ePodSearch.ePODSearchDetail.consignment.latestEvent.	String	Always	AACHEN	Event Terminal - Name

<terminalName> ePodSearch.ePODSearchDetail.consignment.latestEvent.	String	Always	DE	Event Terminal - Country Code
<terminalCountry> ePodSearch.ePODSearchDetail.consignment.	String	Always	ER	DHL Freight Product Code
<productCode> ePodSearch.ePODSearchDetail.consignment.	String	Optional	DHL Freight Eurapid International	DHL Freight Product Name
<productName> ePodSearch.ePODSearchDetail.consignment.	String	Always	20139583997	Customer Reference
<customerReference> ePodSearch.ePODSearchDetail.consignment.	String	Optional	2016-02-14+01:00	Date Shipment Collected (YYYY-MM-DD). Only included for shipments that have been Collected.
<pickupDate> ePodSearch.ePODSearchDetail.consignment.	String	Optional	2016-02-14+01:00	Fixed Delivery Date (YYYY-MM-DD). Only included for shipments with Feature „FDD“ (with <featureCode> of „FDD“).
<fixedDeliveryDate> ePodSearch.ePODSearchDetail.consignment.	String	Optional	2016-02-16+01:00	Committed Delivery Date (YYYY-MM-DD). Should be included for Eurapid Product (ER/DR) shipments.
<committedDeliveryDate> ePodSearch.ePODSearchDetail.consignment.	String	Optional	2016-02-16+01:00	Date Shipment Delivered (YYYY-MM-DD). Only included for Delivered shipments with IOD.
<deliveredDate> ePodSearch.ePODSearchDetail.consignment.	String	Optional	JOHN SMITH	The IOD Receiver Name , who signed for the Delivered shipment. Only included for Delivered shipments with IOD.
<receivedBy> ePodSearch.ePODSearchDetail.consignment.	String	Optional	2016-02-15+01:00	The IOD Date shipment was Delivered. Only included for Delivered shipments with IOD. This date is the same as <deliveredDate>.
<receivedDate> ePodSearch.ePODSearchDetail.consignment.	String	Optional	11:11:00.000+01:00	The IOD Time shipment was Delivered. Only included for Delivered shipments with IOD.
<receivedTime> ePodSearch.ePODSearchDetail.consignment.	String	Optional	2016-02-15+01:00	Appointment Date. If DHL has Booked In the Shipment with the Consignee to be delivered on a preferred date, then this „Appointment Date“ agreed with the Consignee should be returned here.
<laterDeliveryDate> consignment.	Container	Always		If there exists no Features on shipment, this Container will be empty.
features consignment.features	Container; repeatable [0..*]	Optional		
feature consignment.features.feature	String	Optional	BOI / INS / END / E12 / E10 / FDD / AD	DHL Freight Feature Code
<featureCode> consignment.features.feature	String	Optional	„Fixed Delivery Date“ / „Express Delivery Pre 12“	DHL Freight Feature Name
<featureName> ePodSearch.ePODSearchDetail.consignment.	Container	Always		
eventHistory ePodSearch.ePODSearchDetail.consignment.	Container; repeatable [0..*]	Always		
eventData ePodSearch.ePODSearchDetail.consignment.eventHistory.				

ePodSearch.ePODSearchDetail.consignment.eventHistory.eventData.eventKey. <eventCode>	String	Always	13	[Not relevant for Customer usage]
ePodSearch.ePODSearchDetail.consignment.eventHistory.eventData.eventKey. <reasonCode>	String	Always	0	[Not relevant for Customer usage]
ePodSearch.ePODSearchDetail.consignment.eventHistory.eventData.eventKey. <eventDescription>	String	Always	Collected	Event Description
ePodSearch.ePODSearchDetail.consignment.eventHistory.eventData.eventKey. <eventDate>	String	Always	2016-02-14+01:00	Event Date (YYYY-MM-DD)
ePodSearch.ePODSearchDetail.consignment.eventHistory.eventData.eventKey. <eventTime>	String	Always	10:16:00.000+01:00	Event Time (HH:MM)
ePodSearch.ePODSearchDetail.consignment.eventHistory.eventData.eventKey. <terminalCode>	String	Always	CGN	Event Terminal - Code (always 3 characters)
ePodSearch.ePODSearchDetail.consignment.eventHistory.eventData.eventKey. <terminalName>	String	Always	COLOGNE / KÖLN	Event Terminal - Name
ePodSearch.ePODSearchDetail.consignment.eventHistory.eventData.eventKey. <terminalCountry>	String	Always	DE	Event Terminal - Country Code
ePodSearch.ePODSearchDetail. <filename>	String	Always	LONEC1234567.pdf	
ePodSearch. <ePODZipDFile>	XOP	Always	<xop:Include href="cid:3f367ba8-c154-4f89-92f7-0c87ae4ce1fa-5@cxf.apache.org" xmlns:xop="http://www.w3.org/2004/08/xop/include"/>	XML-binary Optimized Packaging (XOP) convention used to provide the ZIP POD (Proof Of Delivery) Image.

3.6.4 Example Request & Response

*** GetEpodsSync Request ***

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ship="http://www.dhl.com/freight/activetracing/shipmenttrackingService/"
  <soapenv:Header>
    <wsse:Security
      xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"
      xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
      soapenv:mustUnderstand="1">
      <wsse:UsernameToken wsu:Id="UsernameToken-1">
        <wsse:Username>act.ws.test@dhl.com</wsse:Username>
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-
profile-1.0#PasswordText">WebServiceT3st</wsse:Password>
      </wsse:UsernameToken>
    </wsse:Security>
  </soapenv:Header>
  <soapenv:Body>
    <ship:GetEpodsSyncRequest>
      <consignmentIdentification>
        <identification>DEM2016021402</identification>
        <identificationType>generic</identificationType>
      </consignmentIdentification>
      <ePodWithTrackingData>false</ePodWithTrackingData>
      <ePodConvertedToPDF>false</ePodConvertedToPDF>
    </ship:GetEpodsSyncRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

*** GetEpodsSync Response ***

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns2:GetEpodsSyncResponse
xmlns:ns2="http://www.dhl.com/freight/activetracing/shipmenttrackingService/"
      <ePodSearch>
        <totalNumberOfShipment-ID>1</totalNumberOfShipment-ID>
        <totalNumberOfShipment-IDProcessed>1</totalNumberOfShipment-IDProcessed>
        <numberOfShipment-IDWithinResponse>1</numberOfShipment-IDWithinResponse>
        <numberEpodAvailable>0</numberEpodAvailable>
        <numberEpodNotAvailable>1</numberEpodNotAvailable>
        <numberEPodFailure>0</numberEPodFailure>
        <ePODSearchDetail>
          <messageId>14</messageId>
          <messageText>ePOD not available in any ePOD archives</messageText>
          <consignment>
            <actDbId>180472229</actDbId>
            <orderCode/>
            <domesticShipmentData>
              <id>DEM2016021402</id>
              <originSystemCode>DEM</originSystemCode>
              <originCountryCode>DE</originCountryCode>
            </domesticShipmentData>
            <consignorName>DHL FREIGHT DEMO SHIPPER</consignorName>
            <consignorAddress>
              <city>BONN</city>
              <street>GODESBERGER ALLEE 102-104</street>
              <zip>53175</zip>
              <country>DE</country>
            </consignorAddress>
            <consigneeName>TAPIS RENT SPRL</consigneeName>
            <consigneeAddress>
              <city>EUPEN</city>
              <street>RUE DU COMMERCE 14</street>
              <zip>4700</zip>
              <country>BE</country>
            </consigneeAddress>
          </consignment>
        </ePodSearch>
      </ns2:GetEpodsSyncResponse>
    </soap:Body>
  </soap:Envelope>
```

```

<weight>0</weight>
<volume>0.000</volume>
<loadingMeter>0.00</loadingMeter>
<numberOfColli>0</numberOfColli>
<numberOfPallets>0</numberOfPallets>
<latestEvent>
  <eventKey>
    <eventCode>21</eventCode>
    <reasonCode>0</reasonCode>
  </eventKey>
  <eventDescription>Delivered</eventDescription>
  <eventDate>2016-02-15+01:00</eventDate>
  <eventTime>11:11:00.000+01:00</eventTime>
  <terminalCode>AAH</terminalCode>
  <terminalName>AACHEN</terminalName>
  <terminalCountry>DE</terminalCountry>
</latestEvent>
<productCode>ER</productCode>
<productName>DHL Freight Eurapid International</productName>
<customerReference>20139583997</customerReference>
<committedDeliveryDate>2017-08-07+02:00</committedDeliveryDate>
<deliveredDate>2017-08-07+02:00</deliveredDate>
<pickupDate>2016-02-14+01:00</pickupDate>
<receivedBy>JOHN SMITH</receivedBy>
<receivedDate>2016-02-15+01:00</receivedDate>
<receivedTime>11:11:00.000+01:00</receivedTime>
<laterDeliveryDate>2016-02-16+02:00</laterDeliveryDate>
<features>
  <feature>
    <featureCode>E12</featureCode>
    <featureName>Express delivery Pre 12</featureName>
  </feature>
</features>
<eventHistory>
  <eventData>
    <eventKey>
      <eventCode>13</eventCode>
      <reasonCode>0</reasonCode>
    </eventKey>
    <eventDescription>Collected</eventDescription>
    <eventDate>2016-02-14+01:00</eventDate>
    <eventTime xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
    <terminalCode>CGN</terminalCode>
    <terminalName>COLOGNE / KÖLN</terminalName>
    <terminalCountry>DE</terminalCountry>
  </eventData>
  <eventData>
    <eventKey>
      <eventCode>1</eventCode>
      <reasonCode>0</reasonCode>
    </eventKey>
    <eventDescription>Received at terminal</eventDescription>
    <eventDate>2016-02-14+01:00</eventDate>
    <eventTime>10:16:00.000+01:00</eventTime>
    <terminalCode>CGN</terminalCode>
    <terminalName>COLOGNE / KÖLN</terminalName>
    <terminalCountry>DE</terminalCountry>
  </eventData>
  <eventData>
    <eventKey>
      <eventCode>24</eventCode>
      <reasonCode>0</reasonCode>
    </eventKey>
    <eventDescription>Shipped from terminal</eventDescription>
    <eventDate>2016-02-14+01:00</eventDate>
    <eventTime>18:33:00.000+01:00</eventTime>
    <terminalCode>CGN</terminalCode>
    <terminalName>COLOGNE / KÖLN</terminalName>
    <terminalCountry>DE</terminalCountry>
  </eventData>
  <eventData>
    <eventKey>
      <eventCode>1</eventCode>
      <reasonCode>0</reasonCode>
    </eventKey>
    <eventDescription>Received at terminal</eventDescription>

```

```

        <eventDate>2016-02-15+01:00</eventDate>
        <eventTime>03:03:00.000+01:00</eventTime>
        <terminalCode>AAH</terminalCode>
        <terminalName>AACHEN</terminalName>
        <terminalCountry>DE</terminalCountry>
    </eventData>
    <eventData>
        <eventKey>
            <eventCode>24</eventCode>
            <reasonCode>501</reasonCode>
        </eventKey>
        <eventDescription>Out for Delivery</eventDescription>
        <eventDate>2016-02-15+01:00</eventDate>
        <eventTime>07:43:00.000+01:00</eventTime>
        <terminalCode>AAH</terminalCode>
        <terminalName>AACHEN</terminalName>
        <terminalCountry>DE</terminalCountry>
    </eventData>
    <eventData>
        <eventKey>
            <eventCode>21</eventCode>
            <reasonCode>0</reasonCode>
        </eventKey>
        <eventDescription>Delivered</eventDescription>
        <eventDate>2016-02-15+01:00</eventDate>
        <eventTime>11:11:00.000+01:00</eventTime>
        <terminalCode>AAH</terminalCode>
        <terminalName>AACHEN</terminalName>
        <terminalCountry>DE</terminalCountry>
    </eventData>
</eventHistory>
</consignment>
<filename>DEM2016021402.pdf</filename>
</ePODSearchDetail>
<ePODZipFile>
    <xop:Include href="cid:3f367ba8-c154-4f89-92f7-0c87ae4ce1fa-5@cx.f.apache.org"
xmlns:xop="http://www.w3.org/2004/08/xop/include"/>
    </ePODZipFile>
</ePodSearch>
</ns2:GetEpodsSyncResponse>
</soap:Body>
</soap:Envelope>

```

4. Closing

We hope this manual can support you to use the AcT WebServices.

In case you need further help, please contact your local DHL Freight support contact.