



Implementing DHL XML Services

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CONTENT

1. INTRODUCTION	4
1.1 DHL XML SERVICES	4
1.2 DHL XML SERVICES TOOLKIT	5
1.3 WHICH REQUEST SHOULD I USE?	6
2. IMPLEMENTING DHL XML SERVICES.....	7
2.1 RECOMMENDED PROCESS FLOWS	7
3. SENDING & RECEIVING XML REQUESTS	8
6. SPECIAL CONSIDERATIONS	14
6.1 LICENSE PLATE ENABLED	14
6.2 LOCAL & GLOBAL PRODUCT CODES.....	14
6.3 UNPRINTABLE CHARACTERS	14
6.4 USING THE DUTIES & TAXES PAID SERVICE	14
6.5 BOOKING PICKUP REQUESTS	15
6.6 REQUESTING ADDITIONAL INSURANCE	15
6.7 SHIPMENT REFERENCE	15
6.8 PRODUCTS RETURNED IN CAPABILITY & QUOTE RESPONSE	15
6.9 QUOTE REQUESTS	15
7. APPENDIX A – COUNTRIES BY REGION	16
7.1 AM REGION – AMERICAS	16
7.2 EA REGION – EUROPE	17
7.3 AP REGION – ASIA PACIFIC, MIDDLE EAST & AFRICA	18
8. APPENDIX B – SAMPLE REQUEST INCLUDING NEW ELEMENT.....	19
9. APPENDIX C – SAMPLE RESPONSE INCLUDING NEW ELEMENTS.....	20
10. APPENDIX D – TEST ENVIRONMENT ACCESS	22

1. Introduction

1.1 DHL XML Services

DHL offers an XML based online integration platform that provides Product Availability, Transit time and Rating, Shipment Booking, Courier Pickup Booking and Tracking services for DHL Express customers globally from over 140 countries.

DHL XML Services can help DHL customers and vendor partners in the following ways:

- Use own shipping and warehouse management systems to access the complete set of DHL shipping services
- Provide DHL capabilities from their internal shipping sites, Shopping carts and Commerce web sites
- No DHL hardware or software deployed on their site
- A standard (XML) and secured (HTTPS and User Authentication) platform to integrate with DHL and the customer controlling the implementation timelines

Below are list of available services or operations:

- **Capability & Quote** – Provides list of available product and services for given shipment criteria along with Booking cut-off, Pickup cut-off and Transit times, Provides total cost along with breakdown of charges for requested product and certain service combinations
- **Shipment Validation*** -Validates shipment data and return Waybill, License Plate and data for label printing
- **PDF Label Image utility*** – Generates DHL compliant label image using the XML response from Shipment Validation
- **Pickup Request** – Can request a courier collection from fixed and ad-hoc addresses
- **Pickup Cancellation** – Cancel Pickup Requests made via the Pickup Request service.
- **Tracking** - Obtain shipment details and event visibility filtered by Waybill, License Plate, or Reference Number and Account Number
- **Routing** - Validates the origin and destination city and postcodes.

(Note: that these validations are now better performed in Capability Service and hence we recommend users to stop using Routing Service and instead use Capability Service)

1.2 DHL XML Services Toolkit

This toolkit is provided to DHL clients to help them understand and implement integration with DHL XML Services solution and can be downloaded using the following link.

<http://xmlpitest-ea.dhl.com/toolkit/Toolkit.zip>

It contains a detailed description for the format of the Request and Response XML messages for each service. Sample request and response XML messages that help understand the structure of the request and response messages are also included.

These messages also help to understand the conditions/data values that might result in an error response from DHL XML Services server.

The toolkit contains a sample Jasper report that assists in the transformation of a Shipment Validation Response XML message into the Global Label and Archive Label in A4 -PDF format.

Also included, are two Java tools, detailed below.

1. **DHLClient**: To send an XML request message to the DHL XML Services application. This can be directly integrated with the client application or it can be used to understand the method to establish a connection with DHL XML Services.
2. **generateAWB**: This is used to transform the Shipment Validate XML Response into the Global Label and Archive Label in an A4 -PDF format.
3. **generateLabel**: This is the label utility that allows the user to generate Global Label or Archive Label or both labels in the required supported GLSv3 format with the Shipment Validation XML response.

Historically, DHL XML Services was available in three Regions with the XML Request messages slightly customized for each Region, despite all three Regions being supported by a central application and accessible by the same web server address.

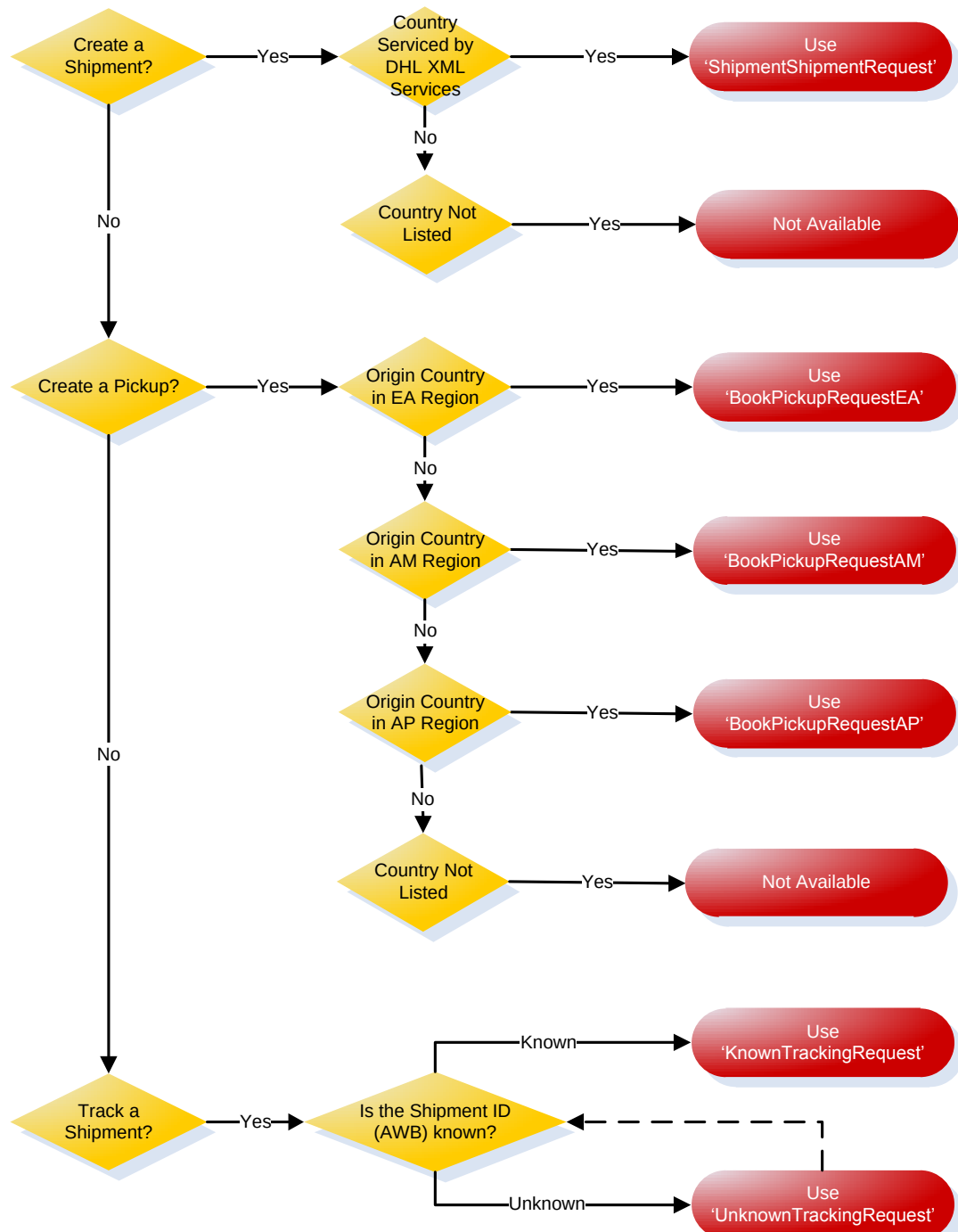
However, there is now an additional Global Schema which is recommended for use, as the same request can be used across all three regions below.

- AP-EM Region -Supports countries in Asia, Africa, Australia and Pacific.
- EU Region -Supports countries in Europe.
- AM Region -Supports USA and other countries in North and South Americas.

If the regional requests are used, it is important that the appropriate Regional XSD and documentation is used based on the country of origin.

A **Toolkit PDF** document (Toolkit_v4x.pdf) is included in the Zip file download and explains how to configure the above Java tools as well as detailing how the toolkit is structured once fully extracted

1.3 Which Request should I use?



The UnknownTrackingResponse will return the Shipment ID. Once received, a KnownTrackingRequest should be sent using this Shipment ID

Key:

AM – Americas
EA – Europe
AP – Asia Pacific, Middle East & Africa

Please refer to 'Appendix A – Countries by Region' for the list of countries in each Region.

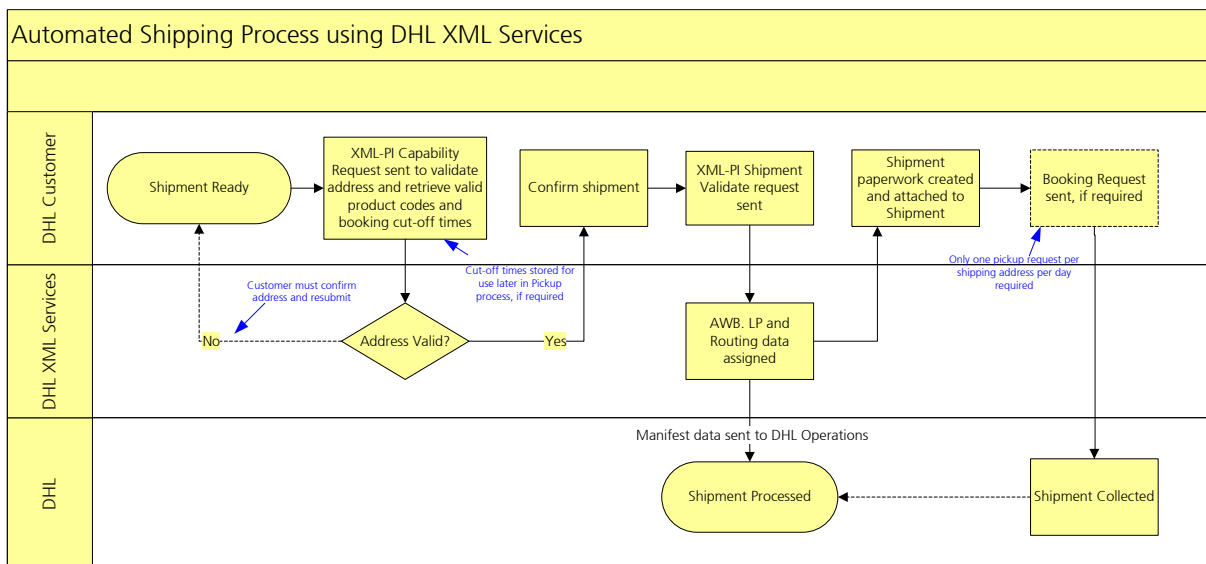
2. Implementing DHL XML Services

Here is the process of implementing XML integration with DHL

- Download the DHL provided toolkit (<http://xmlpitest-ea.dhl.com/toolkit/Toolkit.zip>).
- Test Environment Access: Please refer to 'Appendix D – Test Environment Access'.
- Development: Complete development and XML integration work
- Certification: Contact the CIM Representative to request certification by providing Label image and Request and Response XML messages as recommended in Test Plan in the toolkit. Once validated the system is certified as production-ready.
- Go-Live: After passing certification you will receive access to production environment and then can start using DHL XML Services
- Production Support: Contact DHL Technical Support team for production support via
 Telephone : 0844 248 0521 (for all urgent issues) or
 Email : ecomuk@dhl.com (for non urgent issues)

2.1 Recommended Process flows

2.1.1 Automated Shipping Process using DHL XML Services



3. Sending & Receiving XML Requests

The request and response phase of a DHL XML Services interaction involves two simple steps - passing the xml request message to the server URL, and then reading the response.

The provided DHLClient.class (with DHLClient.cmd) can execute this process on behalf of the calling program, using input parameters to identify the location of the XML request message, the server URL and the path that the response message should be placed in.

It is suggested that any error responses be dealt with by the customer's application as they occur, and that the response message folder be kept "clean". Having a large number of error responses in this directory can slow down the label generation process (see below).

Alternatively some customers choose to implement this simple protocol natively in their server-side scripting language (e.g. php), rather than using the supplied java code.

There are many ways to implement XML requests and responses with PHP. Any method you prefer can be used which can handle communications with an XML server.

For example PEAR has many pre built scripts to handle such requests. CURL can also be used to perform these tasks. Or just use the built in PHP functions that are part of the native language.

4. Receiving label images in the Shipment Validate Response

Customers are now able to request to receive a Base64 encoded label to be returned in the Shipment Validate Response message

4.1 Request

Include the following in the request XML document.

4.1.1 LabellImageFormat

- <LabellImageFormat> determines the image format included in Shipment Validate Response message.
Possible formats for the returned label are PDF, ZPL2, EPL2, LP2

Element located in **/req: ShipmentValidateRequestEA/LabellImageFormat**.

Example:

```
<LabellImageFormat>PDF</LabellImageFormat>
```

<LabellImageFormat> Element

```
<xsd:element name="LabellImageFormat" type="dhl:LabellImageFormat" minOccurs="0"/>
<xsd:simpleType name="LabellImageFormat">
  <xsd:annotation>
    <xsd:documentation>LabellImageFormat</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:minLength value="3" />
    <xsd:maxLength value="4" />
    <xsd:enumeration value="EPL2" />
    <xsd:enumeration value="LP2" />
    <xsd:enumeration value="PDF" />
    <xsd:enumeration value="ZPL2" />
  </xsd:restriction>
</xsd:simpleType>
```

4.1.2 RequestArchiveDoc

- <RequestArchiveDoc> indicates whether to receive a generated Archive document image in the Shipment Validate response message. This should be set to 'Y' for all shipments, unless the shipment is being sent as 'Paperless Trade'. If the element is not included, an Archive document image will be returned as default.

Element located in **/req: ShipmentValidateRequestEA/RequestArchiveDoc**.

Example:

```
<RequestArchiveDoc>Y</RequestArchiveDoc>
```

<RequestArchiveDoc> Element

```
<xsd:element name="RequestArchiveDoc" type="dhl:YesNo" minOccurs="0"/>
```

4.1.3 Label

- <Label> defines the required label template, customer's logo image plus image format, and DPI resolution.

It is made up of the following elements

- <LabelTemplate>
- <Logo>
- <CustomerLogo>
- <Resolution>

Element located in **/req: ShipmentValidateRequestEA/Label**

```
<xsd:element name="Label" type="dhl:Label" minOccurs="0"/>
<xsd:complexType name="Label">
  <xsd:annotation>
    <xsd:documentation>Label</xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="LabelTemplate" type="LabelTemplate" minOccurs="0"/>
    <xsd:element name="Logo" type="YesNo" minOccurs="0"/>
    <xsd:element name="CustomerLogo" type="CustomerLogo" minOccurs="0"/>
    <xsd:element name="Resolution" type="Resolution" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
```

4.1.3.1 LabelTemplate

- <LabelTemplate> indicates the format of the shipping label.

Element located in **/req: ShipmentValidateRequestEA/Label/LabelTemplate.**

Example:

```
<LabelTemplate>8X4_A4_PDF</LabelTemplate>
```

<LabelTemplate> Element

```
<xsd:simpleType name="LabelTemplate">
  <xsd:annotation>
    <xsd:documentation>LabelTemplate</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="8X4_A4_PDF" />
    <xsd:enumeration value="8X4_thermal" />
    <xsd:enumeration value="8X4_A4_TC_PDF" />
    <xsd:enumeration value="6X4_thermal" />
    <xsd:enumeration value="6X4_A4_PDF" />
    <xsd:enumeration value="8X4_CI_PDF" />
    <xsd:enumeration value="8X4_CI_thermal" />
  </xsd:restriction>
</xsd:simpleType>
```

If an incorrect Label Image Format type and label template combination is used in Shipment Validate Request, then the below defaults will be used

- a) Label Image Format of "PDF", default label template is '8X4_A4_PDF' format.
- b) Label Image Format of "ZPL2" or "EPL2", default label template is '8X4_thermal'.

4.1.3.2 Logo

<Logo> determines DHL logo to be printed in thermal label printout. This can be set to 'N' only if printing on labels with the DHL logo pre-printed already.

Element located in **/req: ShipmentValidateRequestEA/Label/Logo**.

Example:

```
<Logo>Y</Logo>
```

<Logo> Element

```
<xsd:element name="Logo" type="YesNo" minOccurs="0"/>
```

4.1.3.3 CustomerLogo

<CustomerLogo> consists of shipper company logo image in base64 and its image size format to be printed in Transport label.

Element located in **/req: ShipmentValidateRequestEA/Label/CustomerLogo**.

```
<xsd:complexType name="CustomerLogo">
  <xsd:annotation>
    <xsd:documentation>CustomerLogo</xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="LogoImage" type="LogoImage" />
    <xsd:element name="LogoImageFormat" type="LogoImageFormat" />
  </xsd:sequence>
</xsd:complexType>
```

LogoImage

<LogoImage> can be used to include shipper company logo image on the returned label. This should be included as a Base64 encoded string.

Element located in **/req: ShipmentValidateRequestEA/Label/CustomerLogo/LogoImage**

Example:

```
<LogoImage>R0lGODlhAAQAA8QAANLlnLzXa+nyzvr886vNR.....</LogoImage>
```

<LogoImage> Element

```
<xsd:simpleType name="LogoImage">
  <xsd:annotation>
    <xsd:documentation>LogoImage</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:base64Binary">
    <xsd:maxLength value="1048576" />
  </xsd:restriction>
</xsd:simpleType>
```

LogoImageFormat

<LogoImageFormat> is to determine the customer's logo image format.

Element located in /req:

ShipmentValidateRequestEA/Label/CustomerLogo/LogoImageFormat

Example:

<LogoImageFormat>GIF</LogoImageFormat>

<LogoImageFormat> element

```
<xsd:simpleType name="LogoImageFormat">
  <xsd:annotation>
    <xsd:documentation>LogoImage Format</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="PNG" />
    <xsd:enumeration value="GIF" />
    <xsd:enumeration value="JPEG" />
    <xsd:enumeration value="JPG" />
  </xsd:restriction>
</xsd:simpleType>
```

4.1.3.4 Resolution

<Resolution> indicates the DPI resolution required for label output on selected printer

Element located in /req: **ShipmentValidateRequestEA/Label/Resolution**

Example:

<Resolution>200</Resolution>

<Resolution> element

```
<xsd:simpleType name="Resolution">
  <xsd:annotation>
    <xsd:documentation>Resolution</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:positiveInteger">
    <xsd:minInclusive value="200" />
    <xsd:maxInclusive value="300" />
  </xsd:restriction>
</xsd:simpleType>
```

See 'Appendix B – Sample Request including new element' to clarify the location of the elements in the request.

4.2 Response

The Shipment Validation Response returned will include the following additional elements:

- <OutputFormat> which states the image type returned, corresponding to the content of <LabelImageFormat> in the corresponding Shipment Validation Request
- <OutputImage> containing the image in base64.

<OutputFormat> Element

```
<xsd:simpleType name="OutputFormat">
  <xsd:annotation>
    <xsd:documentation>OutputFormat</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="EPL2" />
    <xsd:enumeration value="LP2" />
    <xsd:enumeration value="PDF" />
    <xsd:enumeration value="ZPL2" />
  </xsd:restriction>
</xsd:simpleType>
```

<OutputImage> Element

```
<xsd:simpleType name="OutputImage">
  <xsd:annotation>
    <xsd:documentation>OutputImage</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:base64Binary" />
</xsd:simpleType>
```

See 'Appendix C – Sample Response including new elements' to clarify the location of the elements in the request.

5. Using the Label Utility

Customers also have the option of using the Label utility which is included as part of the XML PI Tool kit, to generate labels from the Shipment Validation Response.

Please refer to 'Section 3.2 - Generate Global Label and Archive Label Images' of the 'ToolKit.pdf' within the XML toolkit.

6. Special Considerations

Listed below are some special considerations when using DHL XML Services

6.1 License Plate enabled

All DHL Shipments must all now include Piece Identifiers (License Plate) as well as the Shipment Identifier (WayBill number), therefore any ShipmentValidate request messages that are submitted must include <PiecesEnabled> set to "Y".

This will ensure that individual License Plate identifiers are returned for each piece in the shipment.

6.2 Local & Global Product Codes

Each DHL Product has its own Global Product Code. In addition to this each country also uses its own local product codes for each Product too. This doesn't always match the Global Product Code

It is recommended that the 'Capability & Quote' request is used to determine the correct codes for the Origin country. If this is not acceptable, please discuss this with the CIM representative assisting with the implementation, who will advise of the alternative options available

For reference, the valid products which can be used from the United Kingdom, dependent on destination, are as follows:

DHL Domestic Express	DHL Express Worldwide (doc)
DHL Express Worldwide (eu)	DHL Express Worldwide (nondoc)
DHL Express 09:00	DHL Express 09:00 (nondoc)
DHL Express 12:00	DHL Express 12:00 (nondoc)
DHL Express 10:30 (doc)	DHL Express 10:30 (nondoc)
DHL Economy Select (nondoc)	DHL Economy Select (eu)

6.3 Unprintable characters

Please refrain from submitting any unprintable characters (e.g. TAB, New Line etc) within a data field in the XML Request. These can cause unexpected results and possibly affect collection or transit time of your shipment

6.4 Using the Duties & Taxes Paid service

Where applicable, to ensure that any Duties & Taxes incurred when shipping a declarable product are paid by the shipper, additional information is required in the request message for DTP shipments.

- <DutyPaymentType> set to '**S**'
- <DutyAccountNumber> element included with the relevant account number to be billed
- <TermsOfTrade> set to '**DDP**'
- <SpecialServiceType> set to '**DD**'

6.5 Booking Pickup Requests

If the Pickup Request service is to be used, only one pickup request per shipping address, per day is required.

6.6 Requesting Additional Insurance

To include insurance on a shipment, the following section should be included after the Shipper section:

```
<SpecialService>
  <SpecialServiceType>II</SpecialServiceType>
  <ChargeValue>2000.00</ChargeValue>
  <CurrencyCode>GBP</CurrencyCode>
</SpecialService>
```

The <ChargeValue> and <CurrencyCode> should reflect the declared value of the shipment. If the shipment is dutiable, then these values should match the <DeclaredValue> and <CurrencyCode> values in the dutiable section of the message, otherwise this will return a validation error.

Also, <InsuredAmount> should be included after the <Contents> element in the request.

6.7 Shipment Reference

The Reference Element is included as 'Optional' within DHL XML Services, but it is recommended that a Reference is included for each shipment and we insist that a Reference is included for all UK origin shipments.

The shipment reference can be used to track shipments, as well as assisting with invoice reconciliation as the shipment references are included on the billing invoices sent from DHL.

6.8 Products returned in Capability & Quote Response

The Capability & Quote response message will include all the available products (standard and non-standard) available between the Origin and Destination addresses.

'Standard' products are highlighted by the following flag in the response.

```
<POfferedCustAgreement>N</POfferedCustAgreement>
```

Please liaise with your Account Manager before using any products denoted as 'Non-Standard'

6.9 Quote Requests

Quote requests are currently only available for Time Definite products using a Local Country Export account number.

Quotes are unavailable when using Import Express account numbers, or Day Definite (European Road) products.

7. Appendix A – Countries by Region

7.1 AM Region – Americas

Country Code	Country Name
AG	ANTIGUA
AI	ANGUILLA
AR	ARGENTINA
AW	ARUBA
BB	BARBADOS
BM	BERMUDA
BO	BOLIVIA
BR	BRAZIL
BS	BAHAMAS
CA	CANADA
CL	CHILE
CO	COLOMBIA
CR	COSTA RICA
DM	DOMINICA
DO	DOMINICAN REPUBLIC
EC	ECUADOR
GD	GRENADA
GF	FRENCH GUYANA
GP	GUADELOUPE
GT	GUATEMALA
GU	GUAM
GY	GUYANA (BRITISH)
HN	HONDURAS
HT	HAITI
JM	JAMAICA
KN	ST. KITTS
KY	CAYMAN ISLANDS
LC	ST. LUCIA
MQ	MARTINIQUE
MX	MEXICO
NI	NICARAGUA
PA	PANAMA
PE	PERU
PR	PUERTO RICO
PY	PARAGUAY

Country Code	Country Name
SR	SURINAME
SV	EL SALVADOR
TC	TURKS AND CAICOS ISLANDS
TT	TRINIDAD AND TOBAGO
US	UNITED STATES OF AMERICA
UY	URUGUAY
VC	ST. VINCENT
VE	VENEZUELA
VG	VIRGIN ISLANDS (BRITISH)
XC	CURACAO
XM	ST. MAARTEN
XN	NEVIS
XY	ST. BARTHELEMY

7.2 EA Region – Europe

Country Code	Country Name
AT	AUSTRIA
BE	BELGIUM
BG	BULGARIA
CH	SWITZERLAND
CZ	CZECH REPUBLIC, THE
DE	GERMANY
DK	DENMARK
EE	ESTONIA
ES	SPAIN
FI	FINLAND
FR	FRANCE
GB	UNITED KINGDOM
GR	GREECE
HU	HUNGARY
IE	IRELAND, REPUBLIC OF
IS	ICELAND
IT	ITALY
LT	LITHUANIA
LU	LUXEMBOURG
LV	LATVIA
NL	NETHERLANDS, THE
NO	NORWAY
PL	POLAND
PT	PORTUGAL
RO	ROMANIA
SE	SWEDEN
SI	SLOVENIA
SK	SLOVAKIA

7.3 AP Region – Asia Pacific, Middle East & Africa

Country Code	Country Name
AE	UNITED ARAB EMIRATES
AF	AFGHANISTAN
AL	ALBANIA
AM	ARMENIA
AU	AUSTRALIA
BA	BOSNIA AND HERZEGOVINA
BD	BANGLADESH
BH	BAHRAIN
BN	BRUNEI
BY	BELARUS
CI	COTE D'IVOIRE
CN	CHINA, PEOPLE'S REPUBLIC
CY	CYPRUS
DZ	ALGERIA
EG	EGYPT
FJ	FIJI
GH	GHANA
HK	HONG KONG
HR	CROATIA
ID	INDONESIA
IL	ISRAEL
IN	INDIA
IQ	IRAQ
IR	IRAN (ISLAMIC REPUBLIC OF)
JO	JORDAN
JP	JAPAN
KE	KENYA
KG	KYRGYZSTAN
KR	KOREA, REPUBLIC OF
KW	KUWAIT
KZ	KAZAKHSTAN
LA	LAO PEOPLE'S DEMOCRATIC REPUBLIC
LB	LEBANON

Country Code	Country Name
LK	SRI LANKA
MA	MOROCCO
MD	MOLDOVA, REPUBLIC OF
MK	MACEDONIA, REPUBLIC OF
MM	MYANMAR
MT	MALTA
MU	MAURITIUS
MY	MALAYSIA
NA	NAMIBIA
NG	NIGERIA
NP	NEPAL
NZ	NEW ZEALAND
OM	OMAN
PH	PHILIPPINES, THE
PK	PAKISTAN
QA	QATAR
RE	REUNION, ISLAND OF
RS	SERBIA, REPUBLIC OF
RU	RUSSIAN FEDERATION, THE
SA	SAUDI ARABIA
SD	SUDAN
SG	SINGAPORE
SN	SENEGAL
SY	SYRIA
TH	THAILAND
TJ	TAJIKISTAN
TR	TURKEY
TW	TAIWAN
UA	UKRAINE
UZ	UZBEKISTAN
VN	VIETNAM
YE	YEMEN, REPUBLIC OF
ZA	SOUTH AFRICA

8. Appendix B – Sample Request including new element

```

<?xml version="1.0" encoding="UTF-8"?>
<req:ShipmentValidateRequestEA xmlns:req="http://www.dhl.com"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.dhl.com
ship-val-req_EA.xsd">
  <Request>
    <ServiceHeader>
      <MessageTime>2002-08-20T11:28:56.000-08:00</MessageTime>
      <MessageReference>1234567890123456789012345678901</MessageReference>
      <SiteID>xxxxxxx</SiteID>
      <Password>xxxxxxxpwd</Password>
    </ServiceHeader>
  </Request>
  <LanguageCode>en</LanguageCode>
  <PiecesEnabled>Y</PiecesEnabled>
  <Billing>
    <ShipperAccountNumber>xxxxxxxx</ShipperAccountNumber>
    <ShippingPaymentType>S</ShippingPaymentType>
  </Billing>
  <Consignee>
    <CompanyName>Life Centre</CompanyName>
    <AddressLine>Changi Business Park</AddressLine>
    <City>Beijing</City>
    <PostalCode>100085</PostalCode>
    <CountryCode>CN</CountryCode>
    <CountryName>China</CountryName>
    <Contact>
      <PersonName>raobeert bere</PersonName>
      <PhoneNumber>11234-325423</PhoneNumber>
    </Contact>
  </Consignee>
  <Reference>
    <ReferenceID>SHIPMENT REFERENCE </ReferenceID>
  </Reference>
  <ShipmentDetails>
    <NumberOfPieces>1</NumberOfPieces>
    <CurrencyCode>GBP</CurrencyCode>
    <Pieces>
      <Piece>
        <PackageType>EE</PackageType>
        <Weight>20</Weight>
        <Depth>200</Depth>
        <Width>210</Width>
        <Height>220</Height>
      </Piece>
      <Piece>
        <PackageType>EE</PackageType>
        <Weight>55</Weight>
        <DimensionUnit>C</DimensionUnit>
        <WeightUnit>K</WeightUnit>
        <GlobalProductCode>D</GlobalProductCode>
        <LocalProductCode>D</LocalProductCode>
        <DoorTo>DD</DoorTo>
        <Date>2012-11-19</Date>
        <Contents>For testing purpose only. Please do not ship</Contents>
        <IsDutiable>Y</IsDutiable>
      </Piece>
    </Pieces>
  </ShipmentDetails>
  <Shipper>
    <ShipperID>TCN</ShipperID>
    <CompanyName>Test Company Name</CompanyName>
    <AddressLine>Test Addr1</AddressLine>
    <City>London</City>
    <PostalCode>TW4 6JS</PostalCode>
    <CountryCode>GB</CountryCode>
    <CountryName>United Kingdom</CountryName>
  </Shipper>
</req:ShipmentValidateRequestEA>

```

```

        <Contact>
            <PersonName>enquiry sing</PersonName>
            <PhoneNumber>11234-325423</PhoneNumber>
        </Contact>
    </Shipper>
    <LabelImageFormat>PDF</LabelImageFormat>
    <RequestArchiveDoc>Y</RequestArchiveDoc>
    <Label>
        <LabelTemplate>8X4_thermal</LabelTemplate>
        <Logo>Y</Logo>
        <CustomerLogo>
            <LogoImage>Base64:string</LogoImage>
            <LogoImageFormat>GIF</LogoImageFormat>
        </CustomerLogo>
        <Resolution>200</Resolution>
    </Label>
</req:ShipmentValidateRequestEA>

```

9. Appendix C – Sample Response including new elements

```

<?xml version="1.0" encoding="UTF-8"?>
<res:ShipmentValidateResponse xmlns:res='http://www.dhl.com' xmlns:xsi='http://www.w3.org/2001/XMLSchema-
instance' xsi:schemaLocation='http://www.dhl.com ship-val-res.xsd'>
    <Response>
        <ServiceHeader>
            <MessageTime>2012-11-19T17:08:51+01:00</MessageTime>
            <MessageReference>1234567890123456789012345678901</MessageReference>
            <SiteID>wakefield</SiteID>
        </ServiceHeader>
    </Response>
    <Note>
        <ActionNote>Success</ActionNote>
    </Note>
    <AirwayBillNumber>4143109180</AirwayBillNumber>
    <BillingCode>DSA</BillingCode>
    <CurrencyCode>GBP</CurrencyCode>
    <CourierMessage>For testing purpose only. Please do not ship</CourierMessage>
    <DestinationServiceArea>
        <ServiceAreaCode>PEK</ServiceAreaCode>
        <FacilityCode>WOC</FacilityCode>
        <InboundSortCode>.</InboundSortCode>
    </DestinationServiceArea>
    <OriginServiceArea>
        <ServiceAreaCode>LHR</ServiceAreaCode>
        <OutboundSortCode>.</OutboundSortCode>
    </OriginServiceArea>
    <Rated>N</Rated>
    <WeightUnit>K</WeightUnit>
    <ChargeableWeight>55</ChargeableWeight>
    <DimensionalWeight>1848.0</DimensionalWeight>
    <CountryCode>GB</CountryCode>
    <Barcodes>
        <AWBBarcode> Base 64 Encoded String </AWBBarcode>
        <OriginDestnBarcode> Base 64 Encoded String </OriginDestnBarcode>
        <DHLRoutingBarcode> Base 64 Encoded String </DHLRoutingBarcode>
    </Barcodes>
    <Piece>1</Piece>
    <Contents>For testing purpose only. Please do not ship</Contents>
    <Reference>
        <ReferenceID>SHIPMENT REFERENCE </ReferenceID>
    </Reference>
    <Consignee>
        <CompanyName> Life Centre</CompanyName>
        <AddressLine>Changi Business Park</AddressLine>
        <City>Beijing</City>
        <PostalCode>100085</PostalCode>
    </Consignee>

```

```

        <CountryCode>CN</CountryCode>
        <CountryName>China</CountryName>
        <Contact>
            <PersonName>raobeert bere</PersonName>
            <PhoneNumber>11234-325423</PhoneNumber>
        </Contact>
    </Consignee>
    <Shipper>
        <ShipperID>TCN</ShipperID>
        <CompanyName>Test Company Name</CompanyName>
        <AddressLine>Test Addr1</AddressLine>
        <City>London</City>
        <PostalCode>TW4 6JS</PostalCode>
        <CountryCode>GB</CountryCode>
        <CountryName>United Kingdom</CountryName>
        <Contact>
            <PersonName>enquiry sing</PersonName>
            <PhoneNumber>11234-325423</PhoneNumber>
        </Contact>
    </Shipper>
    <CustomerID>131297</CustomerID>
    <ShipmentDate>2012-11-19</ShipmentDate>
    <GlobalProductCode>D</GlobalProductCode>
    <Billing>
        <ShipperAccountNumber>130000279</ShipperAccountNumber>
        <ShippingPaymentType>S</ShippingPaymentType>
        <DutyPaymentType>R</DutyPaymentType>
    </Billing>
    <DHLRoutingCode>CN100085+42000000</DHLRoutingCode>
    <DHLRoutingDataId>2L</DHLRoutingDataId>
    <ProductContentCode>DOX</ProductContentCode>
    <ProductShortName>EXPRESS WORLDWIDE</ProductShortName>
    <DeliveryDateCode/>
    <DeliveryTimeCode/>
    <Pieces>
        <Piece>
            <PieceNumber>1</PieceNumber>
            <Depth>200</Depth>
            <Width>210</Width>
            <Height>220</Height>
            <Weight>20</Weight>
            <PackageType>EE</PackageType>
            <DimWeight>1848.000000</DimWeight>
            <DataIdentifier>J</DataIdentifier>
            <LicensePlate>JD011000000000534745</LicensePlate>
            <LicensePlateBarCode> Base 64 Encoded String </LicensePlateBarCode>
        </Piece>
    </Pieces>
    <LabellImage>
        <OutputFormat>PDF</OutputFormat>
        <OutputImage> Base 64 Encoded String </OutputImage>
    </LabellImage>
</res:ShipmentValidateResponse>

```

10. Appendix D – Test Environment Access

For development and testing, please use the following details, SiteID and Password are case sensitive:

URL: <https://xmlpitest-ea.dhl.com/XMLShippingServlet>

SiteID: CIMGBTest

Password: DLUntOcJma

Your own DHL shipping account can be used in the test environment.

If you don't have access to a DHL shipping account yet then please ask your DHL CIM representative for advice.

There is an XML PI test harness available to assist when sending messages to the test server and for additional sample code, which can be found using the following link:

http://xmlpitest-ea.dhl.com/serviceval/jsps/main/Main_menu.jsp