MYDHL API

INTEGRATION MADE SIMPLE

DHL EXPESS - DEVELOPER GUIDE

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v1.1

DOCUMENT CONTROL

REVISION HISTORY:

Version	Release Date	Comments
0.6	27/06/2019	Updated Input and Output Table based on the latest WSDL
0.7	9/7/2019	Updated XSD images and fields description
1.0	17/07/2019	Baselined for deployment of MyDHL API v1
1.1	28/07/2019	Design cleaned and SpecialServices added in RateRequest

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TERMS AND CONDITIONS

The requirements and specifications outlined in this manual are governed by DHL's Terms and Conditions of Carriage, found on DHL's website, www.DHL.com.

AUDIENCE

This document is intended to serve as a guide to assist DHL customers and third party developers during the integration development process. The primary audience of this document is intended to be a trading partner's technical resources and internal MyDHL API support staff.

CONTENT

1. INTRODUCTION

1.1 MYDHL API OVERVIEW

MyDHL API are a set of operations offering DHL's core services like capability, rating or booking a pickup request to any customer. This enables the customer to integrate these services seamlessly into their own IT infrastructure. Customers can then ask for the available products and their prices (where applicable) online as well as creating a shipment together with a courier pickup.

This document describes how to integrate these services to your own applications and is intended as a user guide for developers.

1.2 REQUIREMENTS – TECHNICAL SKILLS

Technically speaking, MyDHL API is a set of Operations accessible by a standardized web protocol. Each operation can be called by a client application to request shipment capability, estimated shipping price or even book a pickup of a shipment. Client applications will request a certain operation to be executed with the application specific request data. MyDHL API then responds synchronously by sending back response data in a standard pre-defined format. The client application can then process the response data to complete the subsequent workflow.

In order to access the web service, a SOAP protocol, RESTful Services or plain XML is used and developers should be familiar with XML/JSON and have a basic understanding of web services. Please find a list of helping resources in the Appendix.

1.3 REQUIREMENTS – BUSINESS UNDERSTANDING

Developers who plan to connect their tools or services to MyDHL API should also have a closer look into DHL's product and services offering. More details about DHL products and services are available at www.dhl.com and your DHL Sales representative.

2. MYDHL API OVERVIEW

There are some main points that must be noted before getting started with MyDHL API integration -

- The DHL customer web services consist of Port types and bindings that contain information about the service operation, service endpoints and service location.

- MyDHL API can used via SOAP, REST/JSON & XML

2.1 WEB SERVICE DEFINITION LANGUAGE AND REFERENCE DOCUMENTS

These documents will be used to integrate to MyDHL API, including WSDL and SOAP UI project.

Your DHL contact can provide the production endpoint upon completion of certification testing.

Reference	Description	Document
WSDL Description	RateRequest ShipmentRequest ShipmentDeleteRequest	https://wsbexpress.dhl.com:443/sndpt/expressRateBook?WSDL
WSDL Description	TrackingRequest	https://wsbexpress.dhl.com:443/sndpt/glDHLExpressTrack?WSDL
WSDL Description	DocumentRetrieve (ePOD)	https://wsbexpress.dhl.com:443/sndpt/getePOD?WSDL
WSDL Description	updateShipment	https://wsbexpress.dhl.com:443/sndpt/updateShipment?WSDL
WSDL Description	requestPickup	https://wsbexpress.dhl.com:443/sndpt/requestPickup?WSDL

Testing DHL Web Services with SOAP UI

The product SoapUI (http://www.soapui.org/) provides advanced support for testing Web Services. Prior to development cycle, this tool can be used to independently verify the DHL services in a test environment, and provide verification and context during the system development life cycle. It is also useful in providing functionality context to the consumer prior to development and independently validating security credentials.

Validation of the Input Data

The input data for MyDHL API is validated in several steps. The first step is general XML validation based on data cardinality and data content restrictions defined by the request message format (i.e. schema validation). In a second step, several business rules are applied on the passed data. The results of these validations are placed in the result message of the service operation. The service operation always delivers a result message. All errors or validation errors are stored in this result messages. Please refer to the Appendix for complete list of error codes.

2.2   SECURITY AND AUTHENTICATION

External Web Service calls from the customer to DHL will be handled through the DHL Web Services Broker. The Web Services Broker is an XML and web services gateway used by DHL providing governance, security, virtualization, and enhanced performance for web service transactions.

The primary transport protocol for these calls is https (standard port 443). For this solution, the DHL Web Service Broker will validate that the messages are well formed and provide security and data encryption. DHL utilizes WS-Security features of the SOAP protocol.

Authentication using WS-Security

WS-Security offers a general-purpose mechanism for associating security tokens with message content. The specification defines three approved token types, but for the purposes of these services, UsernameToken will be used.

For example, the UsernameToken Profile describes how a Web service client can supply a UsernameToken as a way to identify the requestor by a username and by supplying a password. The SOAP header also requires the setting of Password Type as 'PasswordText'. The following XML snippet shows a sample WS-Security UsernameToken:

```
<wsse:UsernameToken wsu:Id="Example">
  <wsse:Username> ... </wsse:Username>
  <wsse:Password Type="..."> ... </wsse:Password>
  <wsse:Nonce EncodingType="..."> ... </wsse:Nonce>
  <wsu:Created> ... </wsu:Created>
</wsse:UsernameToken>
```

To authenticate using WS-Security for DHL Web Services, the consumer would need to add a SOAP header to the SOAP envelope. This header would contain the WS-Security information.

For more information about this please take a look into http://docs.oasis-open.org/wss/

User access rights

The applicable statement for user access relates to the authentication properties enforced at the web service broker. Authentication details will be stored on the Web Service broker as a configuration, and this solution assumes the customer will have established integration credentials at application level. Credentials will not be managed at the customer user level.

Example:

Customer XYZ is building a web portal ABC with internal user administration. This web portal will call MyDHL API. Just the application itself will get access to MyDHL API and not each user registered in the application ABC.

How to get access?

The authentication credentials will be provided by your DHL point of contact for the integration project.

3. WHAT WEB SERVICES OPERATIONS ARE AVAILABLE?

For the orchestrated DHL web services offering, there are the following operations available for use.

a) **RateRequest** – This service allows the customer to
   a. Input characteristics about a *prospective* shipment, and outputs the corresponding available DHL products, along with rate estimates and estimated delivery date/time.
   b. Get Total Landed Cost calculation based on provided product characteristics.
b) **ShipmentRequest** – This service allows the customer to input characteristics about a *requested* shipment and pickup, and outputs reference information (waybill and piece ID) as well as a shipping label. If a pickup has been requested then the pickup confirmation number will also be sent back as an output.
c) **ShipmentDeleteRequest** – This service allows the customer to request the deletion of a pickup, if it was requested in the original ShipmentRequest.
d) **TrackingRequest** – This service allows the customer to input specific waybill numbers, and outputs tracking checkpoint information at the shipment or piece level.
e) **DocumentRetrieve** – This service allows the customer to input parameters indicating which ePOD or ePODs is requesting and the content of the ePODs. The operation outputs the ePOD(s) as a base64 encoded string.
f) **updateShipment** – This service allows the customer to add pieces to a previously created shipment that has not been picked up/scanned by DHL and is for the same day. The term used for this process is Shipment Consolidation
g) **requestPickup** – This service allows for a stand-alone pickup request to be sent to the DHL Express Customer Services team for Export and Import bookings.

The services are called independently, but can also be used in concert (i.e. using output from one service as input into the next service) to meet the consumer requirements.

SOAP endpoints for WSDL schemas		
Reference	**Description**	**Document**
WSDL Description	a) RateRequest b) ShipmentRequest c) ShipmentDeleteRequest	https://wsbexpress.dhl.com:443/sndpt/expressRateBook?WSDL
WSDL Description	d) TrackingRequest	https://wsbexpress.dhl.com:443/sndpt/glDHLExpressTrack?WSDL
WSDL Description	e) DocumentRetrieve (ePOD)	https://wsbexpress.dhl.com:443/sndpt/getePOD?WSDL
WSDL Description	f) updateShipment	https://wsbexpress.dhl.com:443/sndpt/updateShipment?WSDL
WSDL Description	g) requestPickup	https://wsbexpress.dhl.com:443/sndpt/requestPickup?WSDL

REST & plain XML endpoints	
Service	**Endpoint URL**
RateRequest	https://wsbexpress.dhl.com/rest/sndpt/RateRequest
ShipmentRequest	https://wsbexpress.dhl.com/rest/sndpt/ShipmentRequest
DeleteShipment	https://wsbexpress.dhl.com/rest/sndpt/DeleteShipment
TrackingRequest	https://wsbexpress.dhl.com/rest/sndpt/TrackingRequest
DocumentRetrieve (ePOD)	https://wsbexpress.dhl.com/rest/sndpt/getePOD
UpdateShipment	https://wsbexpress.dhl.com/rest/sndpt/UpdateShipmentRequest
RequestPickup	https://wsbexpress.dhl.com/rest/sndpt/PickupRequest

4. RATEREQUEST

4.1 RATEREQUEST - DESCRIPTION

The Rate request will return DHL's product capabilities (products, services and estimated delivery time) and prices (where applicable) for a certain set of input data.

Using the shipper and receiver address as well as the dimension and weights of the pieces belonging to a shipment, this operation returns the available products and service including the shipping price (where applicable) and the potential delivery date considering the planned pickup date.

A shipment request can just be successfully executed (assuming the same input data) for a product and service combination which is returned by the rate request.

If the <LandedCost> segment is provided within the Request then the Service will return the Total Costs (Landed Costs) for all Items specified in the request.

4.2 RATEREQUEST - INPUT

The following diagram shows an overview of the request input structure.

Within the RateRequest, the ClientDetail and Request are optional nodes for reference use, and does not affect functionality.   The critical elements are contained within the RequestedShipment node.

4.2.1 RateRequest Schema Diagram

Each of the individual sections of RequestedShipment is represented below in the schema diagram, with context, and a detailed description of each field follows in the Input Field List.
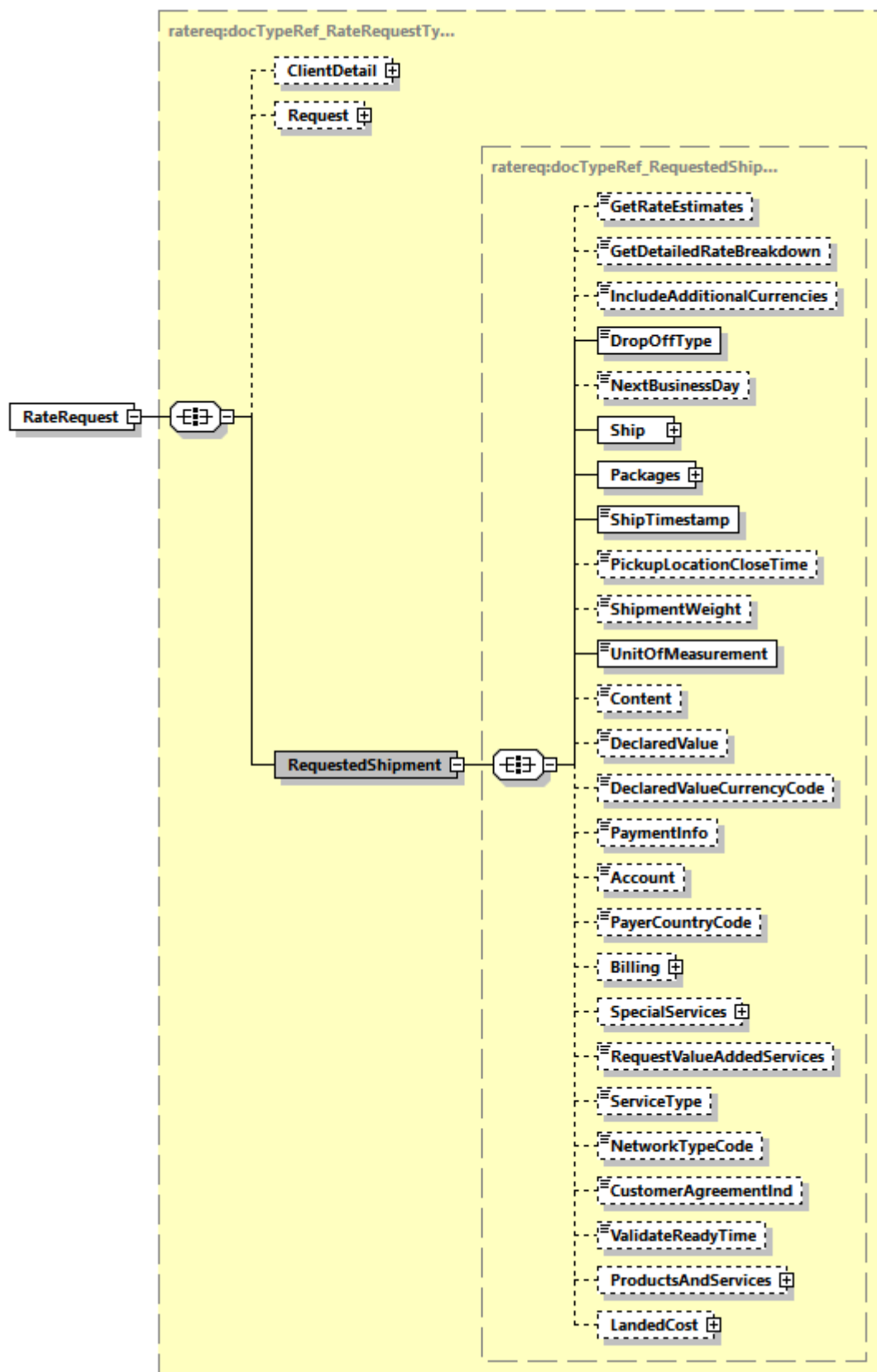
4.2.2   RateRequest Input: Service Header

Optional section to populate information used to identify customer request for troubleshooting or tracking. DHL Express **recommends** that this information is provided. For Third party vendors/ecommerce this is mandatory to provide continuous support.

For Landed Cost Request the "<MessageTime>" and "<MessageReference>" is Mandatory.
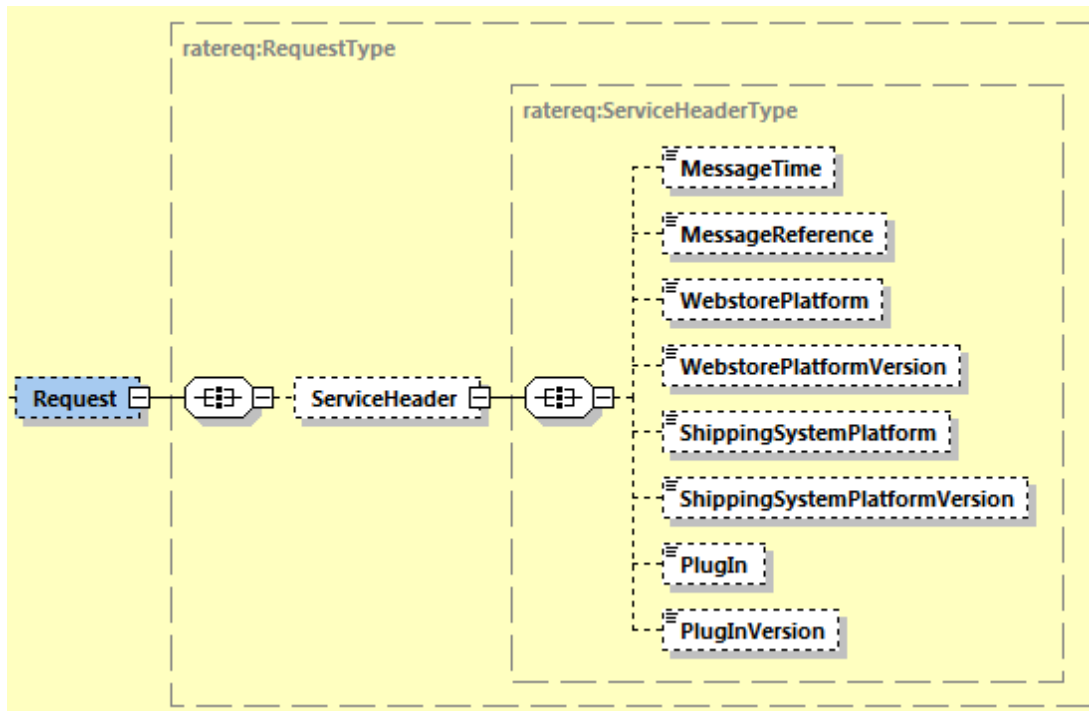
4.2.3   RateRequest Input: RequestedShipment

This section is used to populate all the required data about the prospect shipment to have rates returned.

For LandedCost details please refer to section
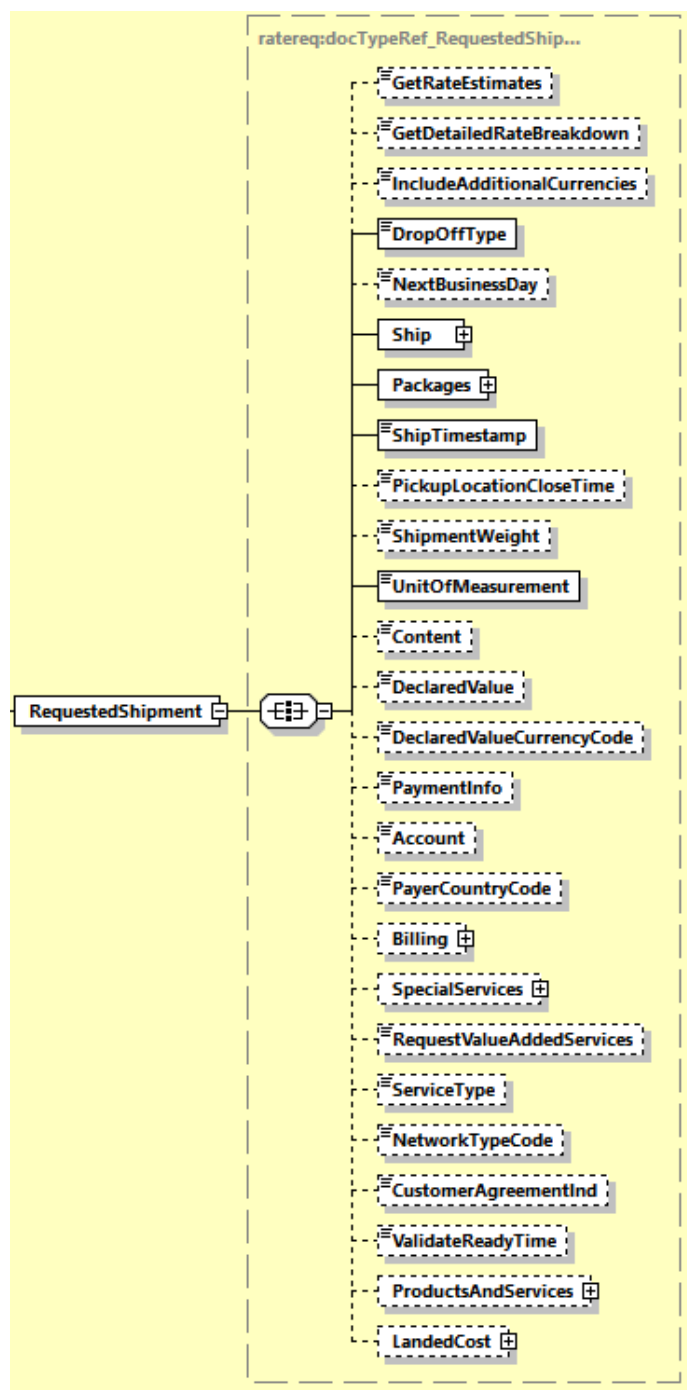
4.2.4   RateRequest Input: GetRateEstimates

The GetRateEstimates element is used to provide options to return DHL products and services without showing the price. This will further improve response times for those who simply would like to know the available products and services that DHL offer for the prospective shipments. This element is **not to be used in combination with the LandedCost element**. There are three possible cases for this field.

- GetRateEstimates = Y – the response message will show all charges related to the DHL products and services

- GetRateEstimates = N – the response message will show all charges related elements as empty (0.00) for the available DHL products and services

- GetRateEstimates is not provided. If value is not provided for this field, the default value is Y. Hence, the response message will show charges for the related DHL products and services.

- When <LandedCost> elements are in the request, <GetRateEstimates> shouldn't be used in the Request Message. Otherwise, an error will be returned in the response message
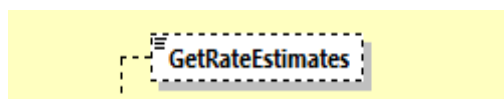
4.2.5   RateRequest Input: GetDetailedRateBreakdown

The GetDetailedBreakdown element is used to to receive a detailed breakdown of charges including taxes and discounts. This element is not to be used in combination with the LandedCost element. The possible values for this element are as below;

- GetDetailedRateBreakdown = Y – detailed product information will be returned such as transit days, shipment weight and origin/destination service area codes.

- GetDetailedRateBreakdown = N – a highlevel rate breakdown is shown with key information.

- When <LandedCost> elements are in the request, <GetDetailedBreakdown> shouldn't be used in the Request Message. Otherwise, an error will be returned in the response message.
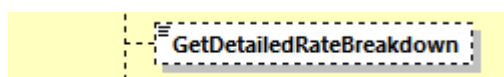
4.2.6   RateRequest Input: IncludeAdditionalCurrencies

IncludeAdditionalCurrencies is used to provide options to return rates in other currencies such as provided by pickup location currency and base currency.

This element can return currencies based on 'BILLC' – billing currency, 'PULCL' – pickup location currency, 'BASEC' – base currency. The possible values for this element are as below;

- IncludeAdditionalCurrencies = Y, the response will return all the rates in Biling, PickupLocation and Base currency.

- IncludeAdditionalCurrencies = N, the response will return all the rates in Billing currency only.

- IncludeAdditionalCurrencies is not provided, the default value will be IncludeAdditionalCurrencies = N where the response will return all the rates in the Billing currency only.
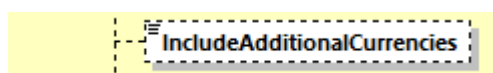
4.2.7   RateRequest Input: DropOffType

The DropoffType is used to indicate whether a scheduled pickup is required as part of the consideration for the rate request.   There are two possible values to indicate whether a pickup is considered. The possible values are as follows;

- REGULAR_PICKUP – The pickup location is already serviced by regularly scheduled courier pickup and an additional pickup does not need to be considered for this service.

- REQUEST_COURIER- The rating response returns products, for which the pickup capability is given, based on ShipmentTimeStamp.
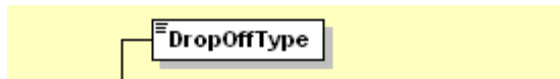
4.2.8   RateRequest Input: NextBusinessDay

The NextBusinessDay field is used to indicate that the Rate Request process should query the next business day for available services if the current request is beyond cutoff, or occurs on a weekend or holiday. There are three possible use cases for this field.

- NextBusinessDay is null (node not included) – This represents the base functionality. In this case, the process will filter out any services which has a pickup date <> to the requested ship date. For example, if the requested shipment date is a Monday, but the next available pickup date is a Tuesday, this option will not present these services.

- NextBusinessDay = N – This case will behave identically to the above null case.

- NextBusinessDay = Y – This case will provide services for the subsequent business day, if available.
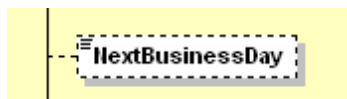
4.2.9   RateRequest Input: Ship

The Ship section outlines the shipper and receiver for the specific rate request. In the context to rate requests, the street address elements are not critical, since capability and rate are determined based on city, postal code, and country code. Please note that the Shipper and Recipient structures are identical.
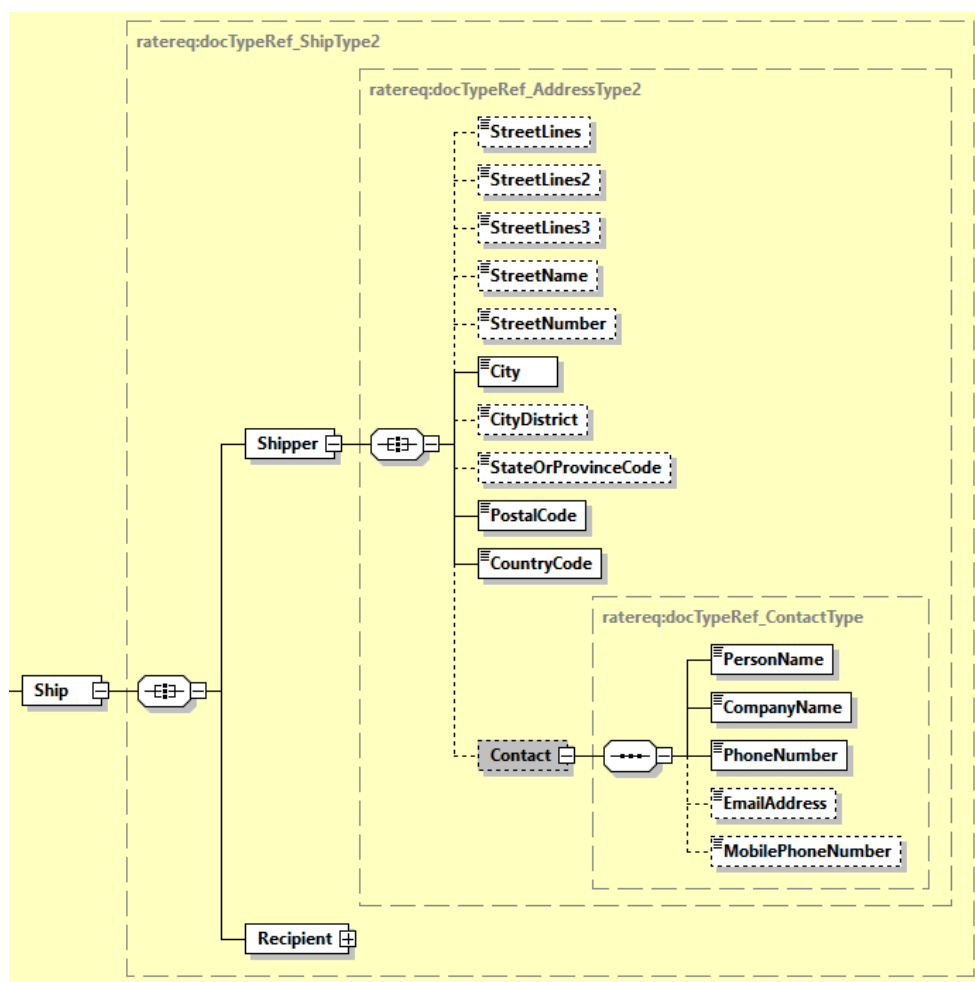
4.2.10   RateRequest Input: Packages

The Packages section details the weight and dimensions of the individual pieces of the shipment. For example, the shipper may tender a single shipment with multiple pieces, and each piece may have a distinct shipping label. In this context, a RequestedPackage node represents each individual piece, and there is a limitation of 999 RequestedPackage nodes in the request.
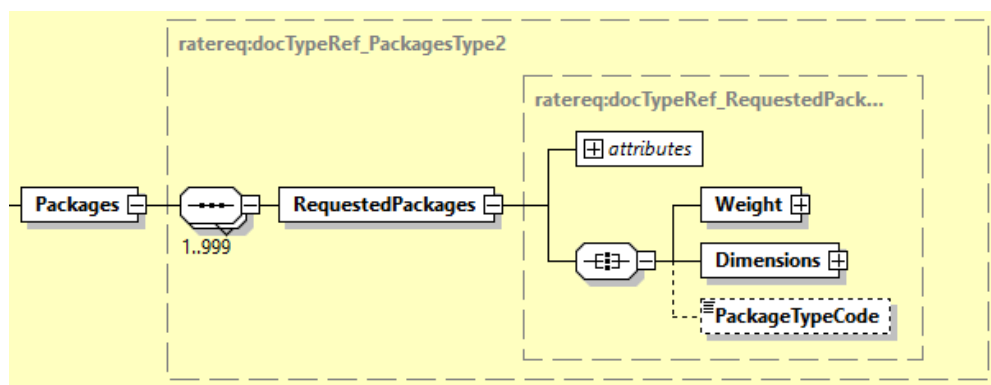
4.2.11 RateRequest Input: ShipTimeStamp

The ShipmentTimeStamp node is the date/time stamp (including GMT offset) when the shipment will be ready for shipping and tendered to the carrier, either as part of a scheduled pickup, regular pickup, station dropoff, etc. Please note that the timestamp for this event does not represent the time of the execution of the service, and should not be considered a system event.
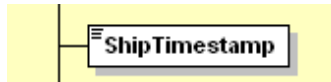
4.2.12 RateRequest Input: UnitOfMeasurement

The UnitOfMeasurement node conveys the unit of measurements used in the operation. This single value corresponds to the units of weight and measurement which are used throughout the message processing. The value of 'SI' corresponds to KG and CM, respectively, while the value of 'SU' corresponds to LB and IN, respectively.

4.2.13 RateRequest Input: Contents

The Contents node details whether a shipment is non-dutiable (value DOCUMENTS) or dutiable (NON_DOCUMENTS). Depending on the nature of the contents of the shipment, if customs duties are applicable, different products may be offered by the DHL web services.
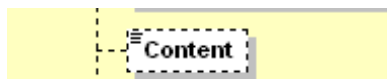
4.2.14 RateRequest Input: DeclaredValue

The DeclaredValue contains the value of the shipment. The field is optional decimal with a total length of 18 characters 3 corresponding to the fraction part.

4.2.15 RateRequest Input: DeclaredValueCurrencyCode

This is to specify the currency code for the declared value. It is an optional field with a length of 3 characters.
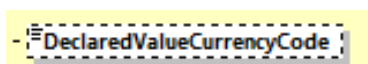
4.2.16   RateRequest Input: PaymentInfo

The PaymentInfo node details the potential terms of trade for this specific shipment, and the possible enumerated values for this field are;

- CFR – Cost And Freight
- CIF – Cost, Insurance and Freight
- CIP – Carriage And Insurance Paid To
- CPT – Carriage Paid To
- DAF – Delivered At Frontier
- DDP – Delivery Duty Paid
- DDU – Delivery Duty Unpaid
- DAP – Delivered At Place
- DEQ – Delivered Ex Quay (Duty Paid)
- DES – Delivered Ex Ship
- EXW – Ex Works
- FAS – Free Alongside Ship
- FCA – Free Carrier
- FOB – Free On Board
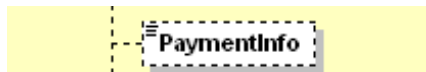
4.2.17   RateRequest Input: Account

The Account field details the DHL account number used for the rate request. When the account number is in this field, this account number serves as both the shipper account as well as payer account. DHL recommends to use the more robust "Billing" structure (detailed further below)
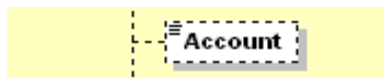
4.2.18   RateRequest Input: PayerCountryCode

This field (when enabled by DHL Express) is to allow rate requests with no account number to be provided. If you need this function to enabled, please contact your DHL Express IT Consultant. DHL customers will receive the rate response if the request complies as below;

- Customer is enabled AND Account number is not provided AND PayerCountryCode is provided – the charges will be calculated by using country-default account number (standard country rates)

4.2.19 RateRequest Input: Billing

The Billing structure functions as a more robust alternative to the single Account field, and allows for using a payer account different than the shipper account (to allow for bill-to receiver or bill-to third party). The web service requestor should use either the Account field or the Billing structure to communicate account information, and DHL recommends this Billing structure.
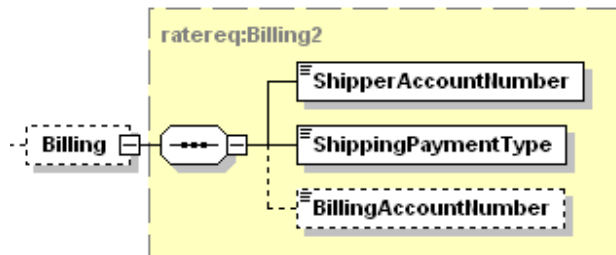
4.2.20 RateRequest Input: SpecialServices

The SpecialServices section communicates additional shipping services, such as Insurance (or Shipment Value Protection).
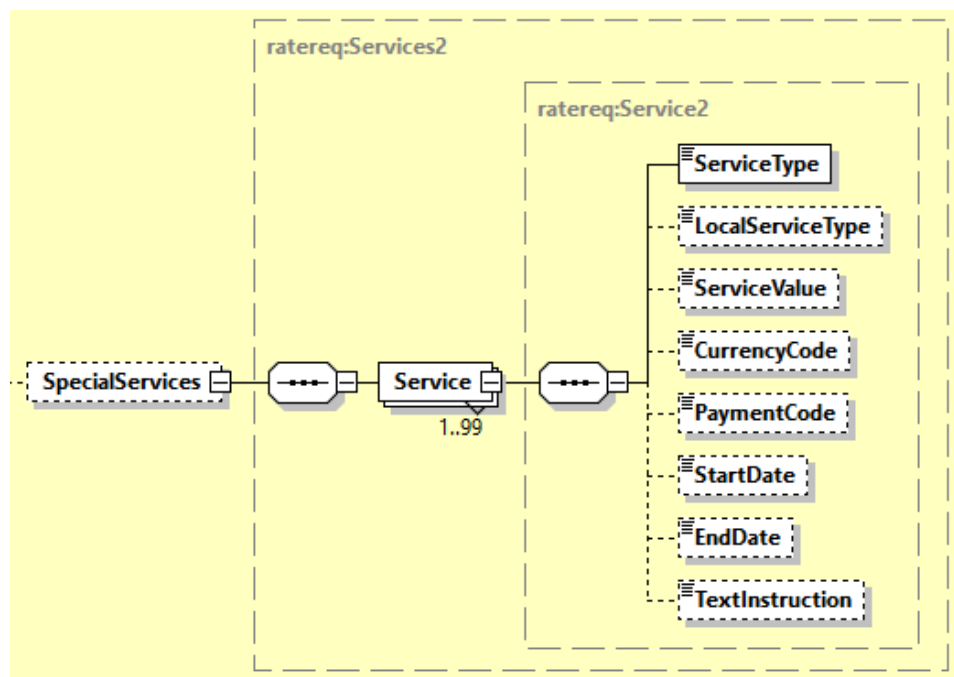
4.2.21 RateRequest Input: RequestValueAddedServices

Flag used to request all the existing special services for the requested product in the response message. If the value is "Y" all the additional services available for the product selected will be returned. The default value is "N".
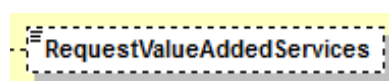
4.2.22   RateRequest Input: ServiceType

If you wish to retrieve the rates and capability for a specific DHL product then provide this in the ServiceType element. Only the product provided will be validated.
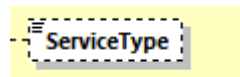
4.2.23   RateRequest Input: NetworkTypeCode

The NetworkTypeCode field is used to filter the facility network type code. The default value is "AL" (return all products)."DD" for Economy Select products and "TD" for Time Definite products
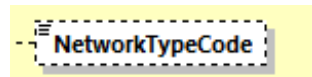
4.2.24   RateRequest Input: CustomerAgreementInd

This element is used for filtering standard and non-standard products. If the value is "N", the response message will return the standard products only. The default value for this field is "Y".
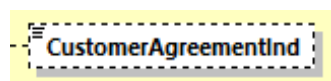
4.2.25   RateRequest Input: ValidateReadyTime

ValidateReadyTime is used to validate the ready time for the shipment to be picked up from the customer against the pickup window start on Economy Select products. The default value is "N", where MyDHL API will NOT validate the shipment to be picked up from customer against pickup window start.
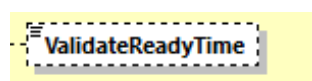
4.2.26   RateRequest Input: ProductsAndServices

ProductsAndServices section is used to query multiple products and combination of special services. This element cannot be use in combination of <SpecialServices> section and <LandedCost> section in the request message. The web service request should use either the ServiceType and SpecialServices field or the ProductsAndServices structure to retrieve rates and capability for a specific DHL product, and DHL recommends the ProductsAndServices structure.
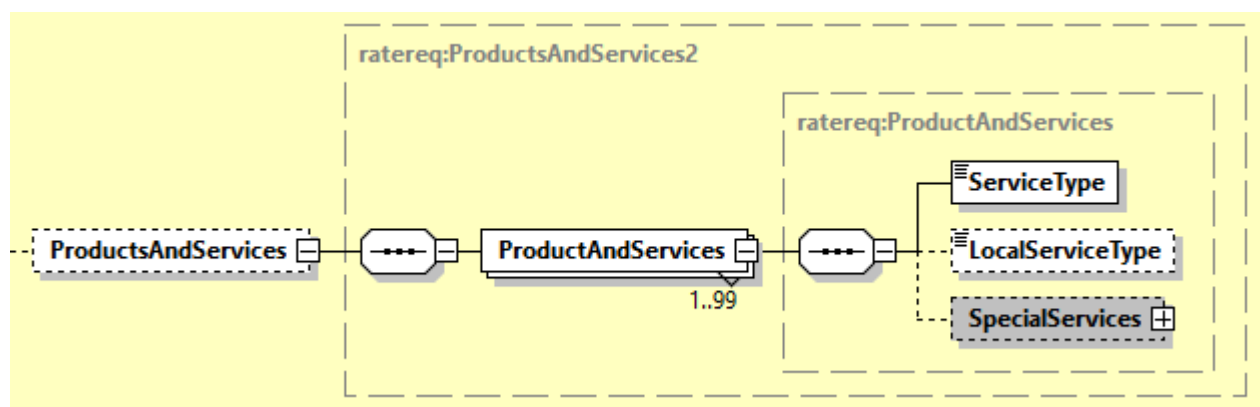
4.2.27   RateRequest Input: LandedCost

The Landed Cost section allows further information around products being sold to be provided. In return the duty, tax and shipping charges are calculated in real time and provides transparency about any extra costs the buyer may have to pay before they reach them.

If Freight charges are not provided in the request then the ServiceType (DHL Express Product Code) has to be provided.

GetItemCostBreakdown – if set to "Y" the service returns the Landed Cost quotation with all breakdowns for all Items

ShipmentCurrencyCode - currency code for the item price (the product being sold) and freight charge. The Landed Cost calculation result will be returned in this defined currency.

ShipmentPurpose - Purpose of the shipment. Personal, Commercial

ShipmentTransportationMode - Mode of transportation – "Air", "OCEAN" and "GROUND"

MerchantSelectedCarrierName – Name of the carrier being shipped with (DHL, UPS, FEDEX, TNT, POST or OTHERS).
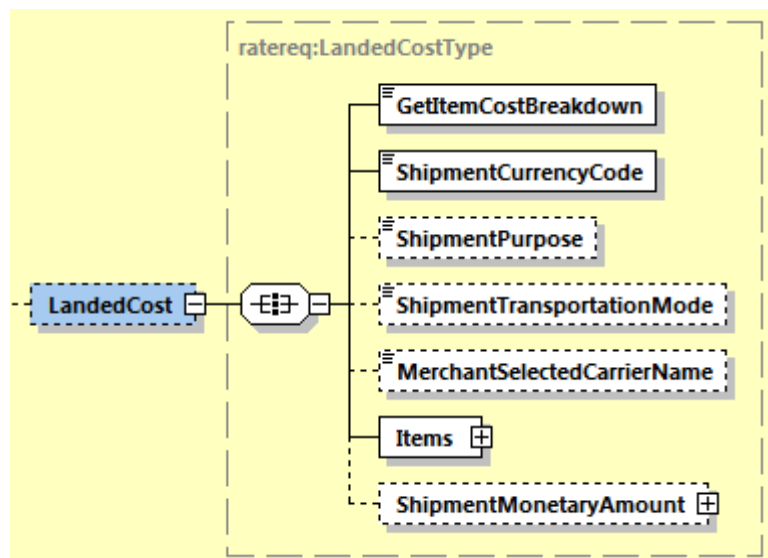
Duty and Tax is billed outside destination (DTP)

In this case the request for the LandedCost requires Special Services segment – the Service Code for DTP service is "DD" (please refer to section **4.2.20**).

```
<SpecialServices>
    <Service>
        <ServiceType>DD</ServiceType>
    </Service>
</SpecialServices>
```

If the duties and taxes are billed at destination then the Special Services segment with Service Code "DD" is not required.

4.2.28   Rate Request Input: LandedCost – Items

This section describes all Items to get the Total Landed Costs. As an example this information could be found on your Commercial invoice.
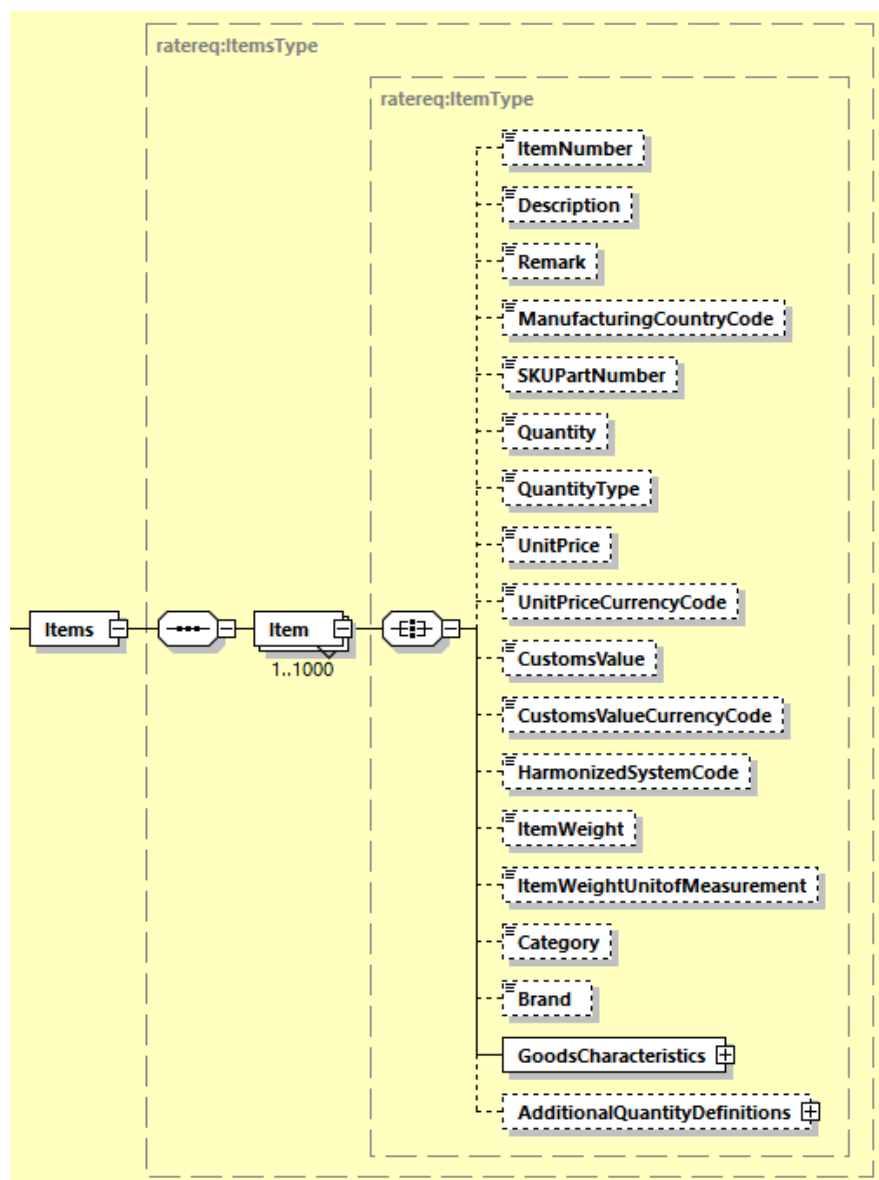
4.2.29   Rate Request Input: LandedCost – GoodsCharacteristics

Regulatory bodies in some countries may apply additional fees based on the characteristics of the goods being sold. We recommend to provide this information.

For example:

```
<Ln>
    <LnNo>1</LnNo>
    <RespStatus>
        <Sev>0</Sev>
        <MsgCIgd>200003</MsgCIgd>
        <MsgClg>GTS</MsgClg>
        <Dsc>CHAR</Dsc>
        <DtlDsc>Required characteristics TOBACCO_TYPE value is missing. (TOBACCO_TYPE CHARACTERISTIC IS MISSING)</DtlDsc>
    </RespStatus>
</Ln>
```

GoodsCharacteristic Codes are stored within Trade system and directly related to HS Codes.

This section is **mandatory**; and therefore at least one characteristic is required (even with EMPTY Code and Value).
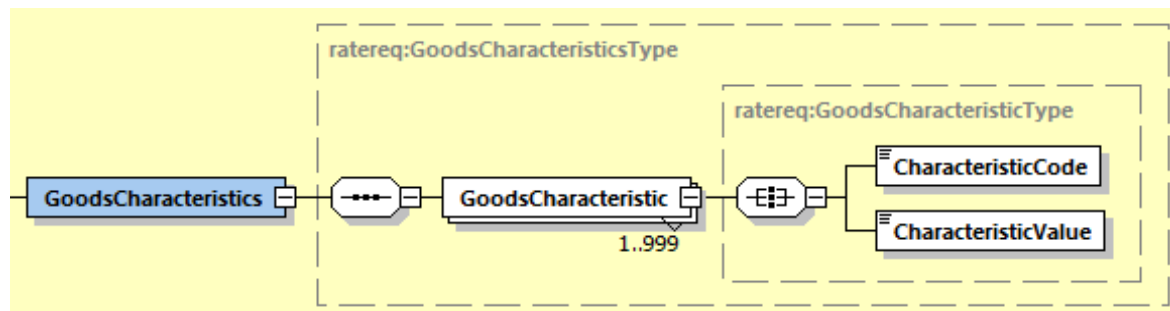
4.2.30   Rate Request Input: LandedCost – AdditionalQuantityDefinitions

For some Items additional quantity type has to be provided on top of specified under QuantityType.

Please refer to RateRequest LandedCost AdditionalQuantityType_allowed values
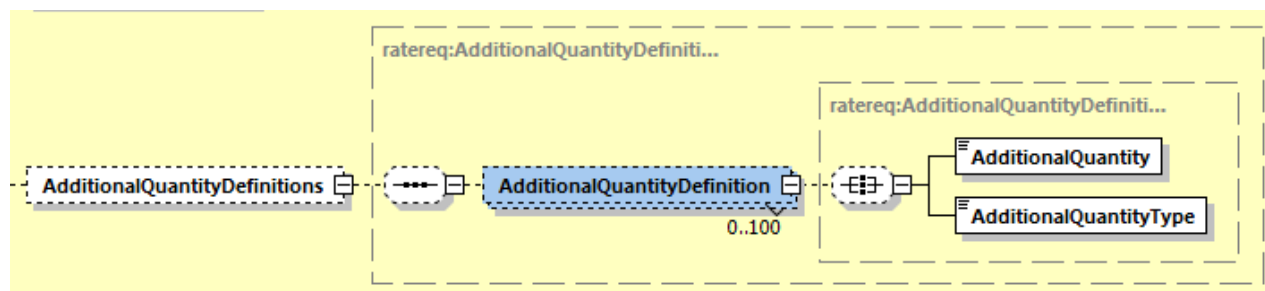
4.2.31   Rate Request Input: LandedCost – ShipmentMonetaryAmount

Should you wish to aggregate additional charges such as Insurance or Freight the please provide this here and then total sum including the additional charges will be provided in the Total Landed Cost. Allowed types are:

"FREIGHT"

"ADDITIONAL_CHARGE"

"INSURANCE"

If the "FREIGHT" charge is not provided then the ServiceType has to be populated.
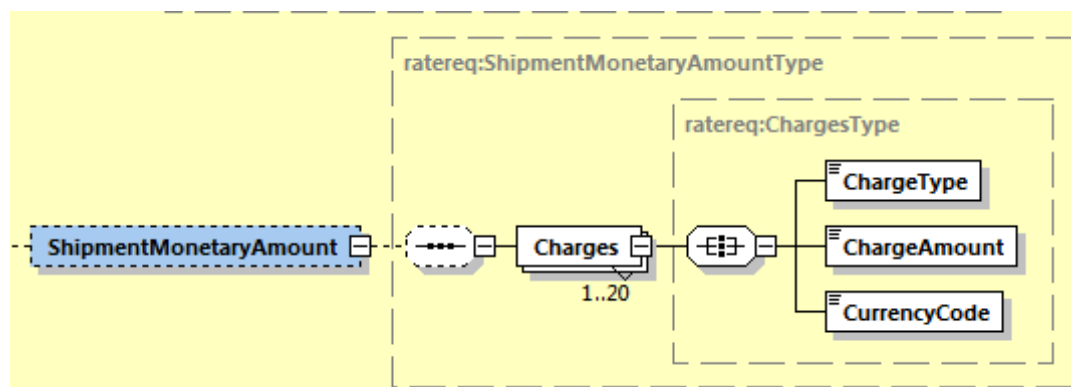
4.3 RATEREQUEST – INPUT FIELD LIST

Rate Request fields	Mandatory /Optional	Value constraints	Comments
RateRequest			
RateRequest/ClientDetail			
sso	O		This field is for internal use only
plant	O		This field is for internal use only
RateRequest/Request			
RateRequest/Request/ServiceHeader (0:1)			
MessageTime	O (M)	TIMESTAMP	Timestamp when the request has been created. Mandatory when Landed Cost is requested. Format: YYYY-MM-DD(T)hh:mm:ss-GMTTIMEOFFSET e.g. 2010-11-24T00:17:20+01:00
MessageReference	O (M)	AN 36	Used for tracking purpose on the customer side. The same ID will be returned within response per request if it is provided. Mandatory when Landed Cost is requested.
WebstorePlatform	O	AN 20	Reserved for Third Party Vendors identification
WebstorePlatformVersion	O	AN 15	Reserved for Third Party Vendors identification
ShippingSystemPlatform	O	AN 20	Reserved for Third Party Vendors identification
ShippingSystemPlatform Version	O	AN 15	Reserved for Third Party Vendors identification
PlugIn	O	AN 20	Reserved for Third Party Vendors identification
PlugInVersion	O	AN 15	Reserved for Third Party Vendors identification
RateRequest/RequestedShipment			
GetRateEstimates	O	"Y" , "N"	This element is to provide customers with options to see DHL products and services without price. This improves

			response times for the requests.
			The default value is Y, where the response only show billing currency rates per product, no breakdowns.
GetDetailedRateBreakdown	O	"Y" , "N"	This option is to receive a breakdown of charges including taxes and discounts.
			The default value is N, a high level breakdown is provided then.
IncludeAdditionalCurrencies	O	"Y" , "N"	To show charges in other currencies.
			When the <IncludeAdditionalCurrencies> value is "Y", value of currencies will be returned based on below ;
			- 'BILLC', billing currency
			- 'PULCL', country public rates currency
			- 'BASEC', base currency
			The default value is N, response to show TotalNet and all other rates in Billing currency only.
DropOffType	M	Enumerated	Possible values:
			- REGULAR_PICKUP, the pickup location is already served by a regular courier and an additional pickup does not need to be considered for this service
			- REQUEST_COURIER, the rating response returns products for which the pickup capability is given, based on ShipmentTimeStamp.
NextBusinessDay	O	AN 1	If set to Y then the query will check the Next business day for products and services if your requested shipping date does not provide any products and services.
			Possible values include Y, N
ShipTimestamp	M	TIMESTAMP	This timestamp identifies the ready date and time of the rated shipment.
			It needs to be provided in the following format with GMT offset
			YYYY-MM-DDTHH:MM:SSGMT+k
			2010-02-26T17:00:00GMT+01:00
			If the date is on a public holiday, sunday

			or any other day where there is no pickup, the rate request will return this in the error code as it is a non valid request.
PickupLocationCloseTime	O	AN 26	For future use
UnitOfMeasurement	M	N/A	Possible values: - SI, international metric system (KG, CM) - SU, United States system of measurement (LB, IN) The unit of measurement for the dimensions of the package.
Content	M	N/A	Possible values - DOCUMENTS - NON_DOCUMENTS
DeclaredValue	O	N 18.3	Declared value of the shipment
DeclaredValueCurrecyCode	O	AN 3	3 character currency code for the declared value
PaymentInfo	M	N/A	The Incoterms applicable to your shipment. Possible values: - CFR, Cost And Freight - CIF, Cost, Insurance and Freight - CIP, Carriage And Insurance Paid To - CPT, Carriage Paid To - DAF, Delivered At Frontier - DDP, Delivery Duty Paid - DDU, Delivery Duty Unpaid - DAP, Delivered At Place - DEQ, Delivered Ex Quay (Duty Paid) - DES, Delivered Ex Ship - EXW, Ex Works - FAS, Free Alongside Ship - FCA, Free Carrier - FOB, Free On Board

Account	M	AN 12	The DHL account number that is used for the shipment. Internally attached to this account are the customer specific rates. Please note if you use the <Account> tag then the Billing section below is not needed.
PayerCountryCode	O	AN 2	The country code of the payer. This field is to allow rate requests with no account number provided. It is mandatory to provide this input field if DHL customers want to request for standard country rates but no account number is provided. This function needs to be enabled for your username by your DHL Express IT Consultant.
RequestValueAddedServices	O	AN 1	If the value is "Y" all the additional services available for the product selected will be returned. The default value is "N".
ServiceType	O (M)	AN 1	DHL Product Code used to ship the items; If Freight charges are not provided in the Landed Cost request then the ServiceType (DHL Express Product Code) has to be provided.
NetworkTypeCode	O	"AL", "DD", "TD"	The NetworkTypeCode field is used to filter facility network type code. The default value is AL, return all products. DD is for Economy Select products and TD for Time Definite products.
CustomerAgreementInd	O	"Y", "N"	Customer agreement indicator for product and services. This field is for filtering agreement and non-agreement products. The default value is 'Y'. All standard and non-agreement products will be returned. An example of a customer agreement product is Medical Express.
ValidateReadyTime	O	"Y", "N"	Validate ready time against pickup window start on Economy Select products.

RateRequest/RequestedShipment/Ship			
RateRequest/RequestedShipment/Ship/Shipper			
StreetLines	O	AN 45	Shipper street name and number
StreetName	O	AN 35	Shipper street name if you wish to break StreetLines into Street Name and number instead of using the StreetLines element.
StreetNumber	O	AN 15	Shipper street number if you wish to break StreeLines into Street Name and number instead of using the StreetLines element.
StreetLines2	O	AN 45	Shipper additional address information
StreetLines3	O	AN 45	Shipper additional address information
City	M	AN 45	Shipper city name
CityDistrict	O	AN 45	Shipper city district/county name
StateOrProvinceCode	O	AN 2	2 letter state code for the USA only
PostalCode	M	AN 12	Shipper postal code
CountryCode	M	AN 2	ISO 2 character codes of the Shipper country.
RateRequest/RequestedShipment/Ship/Shipper/Contact			
PersonName	M	AN 45	A contact name of a person who will ship the shipment.
CompanyName	M	AN 35	The company name shipping
PhoneNumber	M	AN 25	The contact person phone number. In case of questions, this person can be called by the courier.
EmailAddress	O	AN 50	The email address of the contact person. Has to be a valid formatted email address
MobilePhoneNumber	O	AN 25	The mobile phone number of the contact person.
RateRequest/RequestedShipment/Ship/Recipient			
StreetLines	O	AN 45	Recipient street name and number
StreetName	O	AN 35	Receiver street name if you wish to break StreetLines into Street Name and number instead of using the StreetLines element.
StreetNumber	O	AN 15	Receiver street number if you wish to break StreetLines into Street Name and

			number instead of using the StreetLines element.
StreetLines2	O	AN 45	Recipient additional address information
StreetLines3	O	AN 45	Recipient additional address information
City	M	AN 45	Recipient city name
CityDistrict	O	AN 45	Recipient city district/county name
StateOrProvinceCode	O	AN 2	2 Letter State code for the USA only
PostalCode	M	AN 12	Recipient postal code
CountryCode	M	AN 2	ISO 2 character codes of the Receiver country.
RateRequest/RequestedShipment/Ship/Recipient/Contact			
PersonName	M	AN 45	A contact name of a person who will receive the shipment.
CompanyName	M	AN 35	The company receiving the shipment.
PhoneNumber	M	AN 25	The contact person phone number. In case of questions, this person can be called by the courier.
EmailAddress	O	AN 50	The email address of the contact person.
MobilePhoneNumber	O	AN 25	The mobile phone number of the contact person.
RateRequest/RequestedShipment/Packages (1:1)			
RateRequest/RequestedShipment/Packages/RequestedPackages (1:999)			
@number	M	No length constraint Max 999 occurrences	Will be used as Piece Sequence number and returned in the response.
PackageTypeCode	O	AN 3	Global package type Valid enumeration; Please contact your DHL Express representative if you wish to use a DHL specific package otherwise ignore this element. - 3BX - 2BC - 2BP - CE1

			- 7BX
			- 6BX
			- 4BX
			- 2BX
			- 1CE
			- WB1
			- WB3
			- XPD
			- 8BX
			- 5BX
			- WB6
			- TBL
			- TBS
			- WB2
RateRequest/RequestedShipment/Packages/RequestedPackages/Weight			
Value	M	N 12.3	Sum of the weight of the individual pieces/packages the rating request is for. Minimum allowed weight is 0.1kg – please see your DHL Account rate card for more information on minimum and maximum weights per piece.
RateRequest/RequestedShipment/Packages/RequestedPackages/Dimensions			
Length	M	N 5.1 >=1	Length of the piece listed.
Width	M	N 5.1 >=1	Width of the piece listed.
Height	M	N 5.1 >=1	Height of the piece listed.
RateRequest/RequestedShipment/Billing			
ShipperAccountNumber	M	AN 12	The DHL account number used for the shipment. Used as the shipper account number. Please note if you use this billing section then the above <Account> tag is not needed. <ShipperAccountNumber> is mandatory then.

ShippingPaymentType	M	AN 1	Possible values:
			  - S (use ShipperAccountNumber as payer)
			  - R (use BillingAccountNumber as bill-to receiver account number)

			- T (use BillingAccountNumber as bill-to third party account number) Please note if you use value R or T in this tag then the next tag <BillingAccountNumber> is also mandatory
BillingAccountNumber	O	AN 12	The DHL account number used for the shipment, if ShippingPaymentType is equal to R or T.
RateRequest/RequestedShipment/SpecialServices			
RateRequest/RequestedShipment/SpecialServices/Service (1:99)			
ServiceType	M	AN 3	Enter II if you wish to get a quote for Insurance with your prospect shipment. If not needed then leave the SpecialServices section out.
LocalServiceType	O	AN 3	The DHL local or country specific Product Code used to ship the items
ServiceValue	O	N 12.3	Monetary value of service (e.g. Insured Value) – this is needed if you wish to get a quote on Insurance with your prospect shipment
CurrencyCode	O	AN 3	Currency code) – this is needed if you wish to get a quote on Insurance with your prospect shipment
PaymentCode	O	AN 3	For future use.
StartDate	O	Date	For future use.
EndDate	O	Date	For future use.
TextInstruction	O	AN 50	For future use.
RateRequest/RequestedShipment/ProductsAndServices			
RateRequest/RequestedShipment/ProductsAndServices/ProductAndServices (0:99)			
ServiceType	M	AN 3	The shipping product requested for this shipment, corresponding to the DHL Global Product codes.
LocalServiceType	O	AN 1	DHL "local / country specific" Product Code used to ship the items.
RateRequest/RequestedShipment/ProductsAndServices/ProductAndServices/SpecialServices			
RateRequest/RequestedShipment/ProductsAndServices/ProductAndServices/SpecialServi			

ces/Service (0:99)			
ServiceType	M	AN 3	Enter II if you wish to get a quote for Insurance with your prospect shipment. If not needed then leave the SpecialServices section out.
LocalServiceType	O	AN 3	The DHL local or country specific Product Code used to ship the items
ServiceValue	O	N 12.3	Monetary value of service (e.g. Insured Value) – this is needed if you wish to get a quote on Insurance with your prospect shipment
CurrencyCode	O	AN 3	Currency code) – this is needed if you wish to get a quote on Insurance with your prospect shipment
PaymentCode	O	AN 3	For future use.
StartDate	O	Date	For future use.
RateRequest/RequestedShipment/LandedCost			
GetItemCostBreakdown	M	LIST	Allowed values "Y" - item cost breakdown will be returned, "N" - item cost breakdown will not be returned
ShipmentCurrencyCode	M	AN 3	Currency code for the item price (the product being sold) and freight charge. The Landed Cost calculation result will be returned in this defined currency
ShipmentPurpose	O	LIST	Possible values: "COMMERCIAL" – B2B "PERSONAL" – B2C
ShipmentTransportation Mode	O	LIST	Possible value: "AIR" "OCEAN" "GROUND"
MerchantSelectedCarrier Name	O	LIST	Carrier being used to ship with. Allowed values are: "DHL","UPS","FEDEX","TNT","POST","OTHERS"
RateRequest/RequestedShipment/LandedCost/Items (1:1)			
RateRequest/RequestedShipment/LandedCost/Items/Item (1:1000)			

ItemNumber	O	N	Line item number
Description	O	AN 512	Description of the item.
Remark	O	AN 255	Item full description
ManufacturingCountryCode	O	AN 2	ISO Country code of the goods manufacturer
SKUPartNumber	O	AN 35	SKU number
Quantity	O	N 12.3	Total quantity of the item(s) to be shipped.
QuantityType	O	AN 3	Allowed values are "PRT" – Part/ Article "BOX" - Box
UnitPrice	O	N 12.2	Product Unit price
UnitPriceCurrencyCode	O	AN 3	Currency code of the Unit Price
CustomsValue	O	N 12.2	Not used
CustomsValueCurrencyCode	O	AN 3	Not used
HarmonizedSystemCode	O	AN 18	HS Code identifies the item for the Import country to identify the import duty rate for the item. Can be provided with or without dots
ItemWeight	O	N 12.3	Weight of the item
ItemWeightUnitofMeasurement	O	LIST	Unit of measurement – "SI" or "SU"
Category	O	AN 50	Category of the Item
Brand	O	AN 50	Item's brand
RateRequest/RequestedShipment/LandedCost/Items/Item/GoodsCharacteristics (1:1)			
RateRequest/RequestedShipment/LandedCost/Items/Item/GoodsCharacteristics/GoodsCharacteristic (1:999)			
CharacteristicCode	M	AN 35	Please contact Express country representative to provide all applicable codes
CharacteristicValue	M	AN 50	Value related to the code

RateRequest/RequestedShipment/LandedCost/Items/Item/AdditionalQuantityDefinitions			
RateRequest/RequestedShipment/LandedCost/Items/Item/AdditionalQuantityDefinitions/AdditionalQuantityDefinition (0:100)			
AdditionalQuantity	M	N 12.3	An Item's additional quantity value: example is percent of alcohol
AdditionalQuantityType	M	AN 3	Item additional quantity value UOM: example PFL=percent of alcohol
RateRequest/RequestedShipment/LandedCost/ShipmentMonetaryAmount			
RateRequest/RequestedShipment/LandedCost/ShipmentMonetaryAmount/Charges (1:20)			
ChargeType	M	LIST	The additional charges from merchant that they would like to aggregate and sum up as part of Total Landed Cost. Allowed values are: "FREIGHT" "ADDITIONAL_CHARGE" "INSURANCE"
ChargeAmount	M	N 12.2	The total charge amount of the specific charge
CurrencyCode	M	AN 3	The currency code
Rate Request fields	**Mandatory /Optional**	**Value constraints**	**Comments**
RateRequest			
RateRequest/ClientDetail			
sso	O		This field is for internal use only
plant	O		This field is for internal use only
RateRequest/Request			
RateRequest/Request/ServiceHeader (0:1)			
MessageTime	O (M)	TIMESTAMP	Timestamp when the request has been created. Mandatory when Landed Cost is requested. Format: YYYY-MM-DD(T)hh:mm:ss-GMTTIMEOFFSET e.g. 2010-11-24T00:17:20+01:00

MessageReference	O (M)	AN 36	Used for tracking purpose on the customer side. The same ID will be returned within response per request if it is provided. Mandatory when Landed Cost is requested.
WebstorePlatform	O	AN 20	Reserved for Third Party Vendors identification
WebstorePlatformVersion	O	AN 15	Reserved for Third Party Vendors identification
ShippingSystemPlatform	O	AN 20	Reserved for Third Party Vendors identification
ShippingSystemPlatform Version	O	AN 15	Reserved for Third Party Vendors identification
PlugIn	O	AN 20	Reserved for Third Party Vendors identification
PlugInVersion	O	AN 15	Reserved for Third Party Vendors identification
RateRequest/RequestedShipment			
GetRateEstimates	O	"Y" , "N"	This element is to provide customers with options to see DHL products and services without price. This improves response times for the requests. The default value is Y, where the response only show billing currency rates per product, no breakdowns.
GetDetailedRateBreakdo wn	O	"Y" , "N"	This option is to receive a breakdown of charges including taxes and discounts. The default value is N, a high level breakdown is provided then.
IncludeAdditionalCurrenc ies	O	"Y" , "N"	To show charges in other currencies. When the <IncludeAdditionalCurrencies> value is "Y", value of currencies will be returned based on below ; - 'BILLC', billing currency - 'PULCL', country public rates currency - 'BASEC', base currency The default value is N, response to show TotalNet and all other rates in Billing currency only.
DropOffType	M	Enumerated	Possible values:

			- REGULAR_PICKUP, the pickup location is already served by a regular courier and an additional pickup does not need to be considered for this service - REQUEST_COURIER, the rating response returns products for which the pickup capability is given, based on ShipmentTimeStamp.
NextBusinessDay	O	AN 1	If set to Y then the query will check the Next business day for products and services if your requested shipping date does not provide any products and services. Possible values include Y, N
ShipTimestamp	M	TIMESTAMP	This timestamp identifies the ready date and time of the rated shipment. It needs to be provided in the following format with GMT offset YYYY-MM-DDTHH:MM:SSGMT+k 2010-02-26T17:00:00GMT+01:00 If the date is on a public holiday, sunday or any other day where there is no pickup, the rate request will return this in the error code as it is a non valid request.
PickupLocationCloseTime	O	AN 26	For future use
UnitOfMeasurement	M	N/A	Possible values: - SI, international metric system (KG, CM) - SU, United States system of measurement (LB, IN) The unit of measurement for the dimensions of the package.
Content	M	N/A	Possible values - DOCUMENTS - NON_DOCUMENTS
DeclaredValue	O	N 18.3	Declared value of the shipment
DeclaredValueCurrecyCode	O	AN 3	3 character currency code for the declared value

PaymentInfo	M	N/A	The Incoterms applicable to your shipment. Possible values: - CFR, Cost And Freight - CIF, Cost, Insurance and Freight - CIP, Carriage And Insurance Paid To - CPT, Carriage Paid To - DAF, Delivered At Frontier - DDP, Delivery Duty Paid - DDU, Delivery Duty Unpaid - DAP, Delivered At Place - DEQ, Delivered Ex Quay (Duty Paid) - DES, Delivered Ex Ship - EXW, Ex Works - FAS, Free Alongside Ship - FCA, Free Carrier - FOB, Free On Board
Account	M	AN 12	The DHL account number that is used for the shipment. Internally attached to this account are the customer specific rates. Please note if you use the <Account> tag then the Billing section below is not needed.
PayerCountryCode	O	AN 2	The country code of the payer. This field is to allow rate requests with no account number provided. It is mandatory to provide this input field if DHL customers want to request for standard country rates but no account number is provided. This function needs to be enabled for your username by your DHL Express IT Consultant.
RequestValueAddedServices	O	AN 1	If the value is "Y" all the additional services available for the product selected will be returned. The default value is "N".
ServiceType	O (M)	AN 1	DHL Product Code used to ship the items; If Freight charges are not provided in the Landed Cost request

			then the ServiceType (DHL Express Product Code) has to be provided.
NetworkTypeCode	O	"AL", "DD", "TD"	The NetworkTypeCode field is used to filter facility network type code. The default value is AL, return all products. DD is for Economy Select products and TD for Time Definite products.
CustomerAgreementInd	O	"Y", "N"	Customer agreement indicator for product and services. This field is for filtering agreement and non-agreement products. The default value is 'Y'. All standard and non-agreement products will be returned. An example of a customer agreement product is Medical Express.
ValidateReadyTime	O	"Y", "N"	Validate ready time against pickup window start on Economy Select products.

RateRequest/RequestedShipment/Ship

RateRequest/RequestedShipment/Ship/Shipper

StreetLines	O	AN 45	Shipper street name and number
StreetName	O	AN 35	Shipper street name if you wish to break StreetLines into Street Name and number instead of using the StreetLines element.
StreetNumber	O	AN 15	Shipper street number if you wish to break StreeLines into Street Name and number instead of using the StreetLines element.
StreetLines2	O	AN 45	Shipper additional address information
StreetLines3	O	AN 45	Shipper additional address information
City	M	AN 45	Shipper city name
CityDistrict	O	AN 45	Shipper city district/county name
StateOrProvinceCode	O	AN 2	2 letter state code for the USA only
PostalCode	M	AN 12	Shipper postal code
CountryCode	M	AN 2	ISO 2 character codes of the Shipper country.

RateRequest/RequestedShipment/Ship/Shipper/Contact			
PersonName	M	AN 45	A contact name of a person who will ship the shipment.
CompanyName	M	AN 35	The company name shipping
PhoneNumber	M	AN 25	The contact person phone number. In case of questions, this person can be called by the courier.
EmailAddress	O	AN 50	The email address of the contact person. Has to be a valid formatted email address
MobilePhoneNumber	O	AN 25	The mobile phone number of the contact person.
RateRequest/RequestedShipment/Ship/Recipient			
StreetLines	O	AN 45	Recipient street name and number
StreetName	O	AN 35	Receiver street name if you wish to break StreetLines into Street Name and number instead of using the StreetLines element.
StreetNumber	O	AN 15	Receiver street number if you wish to break StreetLines into Street Name and number instead of using the StreetLines element.
StreetLines2	O	AN 45	Recipient additional address information
StreetLines3	O	AN 45	Recipient additional address information
City	M	AN 45	Recipient city name
CityDistrict	O	AN 45	Recipient city district/county name
StateOrProvinceCode	O	AN 2	2 Letter State code for the USA only
PostalCode	M	AN 12	Recipient postal code
CountryCode	M	AN 2	ISO 2 character codes of the Receiver country.
RateRequest/RequestedShipment/Ship/Recipient/Contact			
PersonName	M	AN 45	A contact name of a person who will receive the shipment.
CompanyName	M	AN 35	The company receiving the shipment.
PhoneNumber	M	AN 25	The contact person phone number. In case of questions, this person can be called by the courier.
EmailAddress	O	AN 50	The email address of the contact person.

MobilePhoneNumber	O	AN 25	The mobile phone number of the contact person.
RateRequest/RequestedShipment/Packages (1:1)			
RateRequest/RequestedShipment/Packages/RequestedPackages (1:999)			
@number	M	No length constraint Max 999 occurrences	Will be used as Piece Sequence number and returned in the response.
PackageTypeCode	O	AN 3	Global package type Valid enumeration; Please contact your DHL Express representative if you wish to use a DHL specific package otherwise ignore this element. - 3BX - 2BC - 2BP - CE1 - 7BX - 6BX - 4BX - 2BX - 1CE - WB1 - WB3 - XPD - 8BX - 5BX - WB6 - TBL - TBS - WB2
RateRequest/RequestedShipment/Packages/RequestedPackages/Weight			
Value	M	N 12.3	Sum of the weight of the individual pieces/packages the rating request is

			for. Minimum allowed weight is 0.1kg – please see your DHL Account rate card for more information on minimum and maximum weights per piece.
RateRequest/RequestedShipment/Packages/RequestedPackages/Dimensions			
Length	M	N 5.1 >=1	Length of the piece listed.
Width	M	N 5.1 >=1	Width of the piece listed.
Height	M	N 5.1 >=1	Height of the piece listed.
RateRequest/RequestedShipment/Billing			
ShipperAccountNumber	M	AN 12	The DHL account number used for the shipment. Used as the shipper account number. Please note if you use this billing section then the above <Account> tag is not needed. <ShipperAccountNumber> is mandatory then.
ShippingPaymentType	M	AN 1	Possible values: - S (use ShipperAccountNumber as payer) - R (use BillingAccountNumber as bill-to receiver account number) - T (use BillingAccountNumber as bill-to third party account number) Please note if you use value R or T in this tag then the next tag <BillingAccountNumber> is also mandatory
BillingAccountNumber	O	AN 12	The DHL account number used for the shipment, if ShippingPaymentType is equal to R or T.
RateRequest/RequestedShipment/ProductsAndServices			
RateRequest/RequestedShipment/ProductsAndServices/ProductAndServices (0:99)			
ServiceType	M	AN 3	The shipping product requested for this shipment, corresponding to the DHL Global Product codes.
LocalServiceType	O	AN 1	DHL "local / country specific" Product Code used to ship the items.
RateRequest/RequestedShipment/ProductsAndServices/ProductAndServices/SpecialServices			
RateRequest/RequestedShipment/ProductsAndServices/ProductAndServices/SpecialServices/Service (0:99)			

ServiceType	M	AN 3	Enter II if you wish to get a quote for Insurance with your prospect shipment. If not needed then leave the SpecialServices section out.
LocalServiceType	O	AN 3	The DHL local or country specific Product Code used to ship the items
ServiceValue	O	N 12.3	Monetary value of service (e.g. Insured Value) – this is needed if you wish to get a quote on Insurance with your prospect shipment
CurrencyCode	O	AN 3	Currency code) – this is needed if you wish to get a quote on Insurance with your prospect shipment
PaymentCode	O	AN 3	For future use.
StartDate	O	Date	For future use.
RateRequest/RequestedShipment/LandedCost			
GetItemCostBreakdown	M	LIST	Allowed values "Y" - item cost breakdown will be returned, "N" - item cost breakdown will not be returned
ShipmentCurrencyCode	M	AN 3	Currency code for the item price (the product being sold) and freight charge. The Landed Cost calculation result will be returned in this defined currency
ShipmentPurpose	O	LIST	Possible values: "COMMERCIAL" – B2B "PERSONAL" – B2C
ShipmentTransportation Mode	O	LIST	Possible value: "AIR" "OCEAN" "GROUND"
MerchantSelectedCarrier Name	O	LIST	Carrier being used to ship with. Allowed values are: "DHL","UPS","FEDEX","TNT","POST", "OTHERS"
RateRequest/RequestedShipment/LandedCost/Items (1:1)			
RateRequest/RequestedShipment/LandedCost/Items/Item (1:1000)			
ItemNumber	O	N	Line item number

Description	O	AN 512	Description of the item.
Remark	O	AN 255	Item full description
ManufacturingCountryCode	O	AN 2	ISO Country code of the goods manufacturer
SKUPartNumber	O	AN 35	SKU number
Quantity	O	N 12.3	Total quantity of the item(s) to be shipped.
QuantityType	O	AN 3	Allowed values are "PRT" – Part/ Article "BOX" - Box
UnitPrice	O	N 12.2	Product Unit price
UnitPriceCurrencyCode	O	AN 3	Currency code of the Unit Price
CustomsValue	O	N 12.2	Not used
CustomsValueCurrencyCode	O	AN 3	Not used
HarmonizedSystemCode	O	AN 18	HS Code identifies the item for the Import country to identify the import duty rate for the item. Can be provided with or without dots
ItemWeight	O	N 12.3	Weight of the item
ItemWeightUnitofMeasurement	O	LIST	Unit of measurement – "SI" or "SU"
Category	O	AN 50	Category of the Item
Brand	O	AN 50	Item's brand
RateRequest/RequestedShipment/LandedCost/Items/Item/GoodsCharacteristics (1:1)			
RateRequest/RequestedShipment/LandedCost/Items/Item/GoodsCharacteristics/GoodsCharacteristic (1:999)			
CharacteristicCode	M	AN 35	Please contact Express country representative to provide all applicable codes
CharacteristicValue	M	AN 50	Value related to the code
RateRequest/RequestedShipment/LandedCost/Items/Item/AdditionalQuantityDefinitions			

RateRequest/RequestedShipment/LandedCost/Items/Item/AdditionalQuantityDefinitions /AdditionalQuantityDefinition (0:100)			
AdditionalQuantity	M	N 12.3	An Item's additional quantity value: example is percent of alcohol
AdditionalQuantityType	M	AN 3	Item additional quantity value UOM: example PFL=percent of alcohol
RateRequest/RequestedShipment/LandedCost/ShipmentMonetaryAmount			
RateRequest/RequestedShipment/LandedCost/ShipmentMonetaryAmount/Charges (1:20)			
ChargeType	M	LIST	The additional charges from merchant that they would like to aggregate and sum up as part of Total Landed Cost. Allowed values are: "FREIGHT" "ADDITIONAL_CHARGE" "INSURANCE"
ChargeAmount	M	N 12.2	The total charge amount of the specific charge
CurrencyCode	M	AN 3	The currency code

4.4   RATEREQUEST - OUTPUT

The following diagram shows an overview of the rate response structure. The critical information to derive from this response are the notification codes for the response, the products returned, the estimated charges, and the expected delivery time for the shipment.

4.4.1   RateResponse Schema Diagram
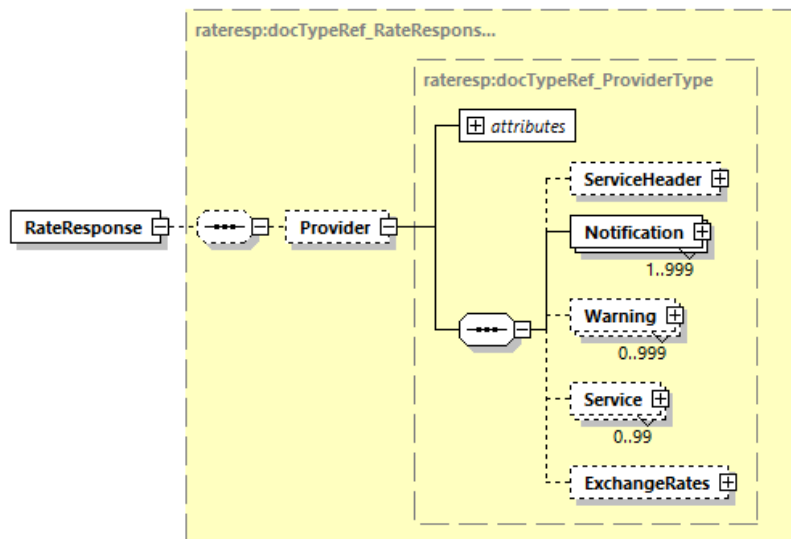
Each of the individual sections of Rate Response is represented below in schema diagram, with context, and a detailed description of each field follows in the Output Field List.

4.4.2   RateResponse Output: ServiceHeader

The ServiceHeader structure includes MessageReference which is taken from the request as well as MessageTime showing when the request has been processed on DHL side. This is only available when the LandedCost segment is part of the request.
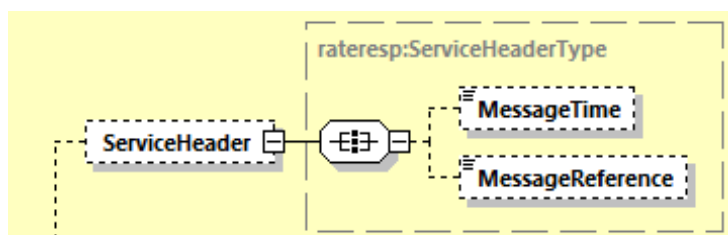
4.4.3   RateResponse Output: Notification

The Notification structure includes the result code and message, based on the results of the processing. Successful messages will include a zero error code and no corresponding message, while exceptions will be noted with both code and message.
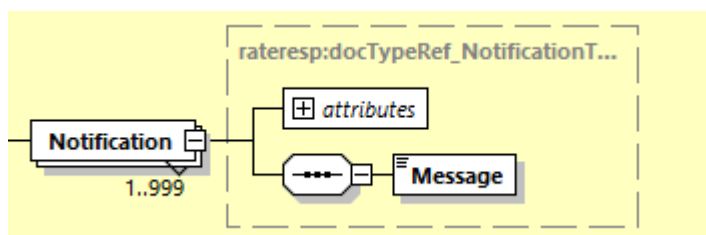
4.4.4   RateResponse Output: Service

For successful responses, there will be 1-to-M Service nodes returned, which will include all of the information about the DHL product returned. A critical element of the Service structure is the @type attribute, which designates the DHL global product code that corresponds to that service quotation. The charges and delivery times for that product are in the subsequent nodes within Service.
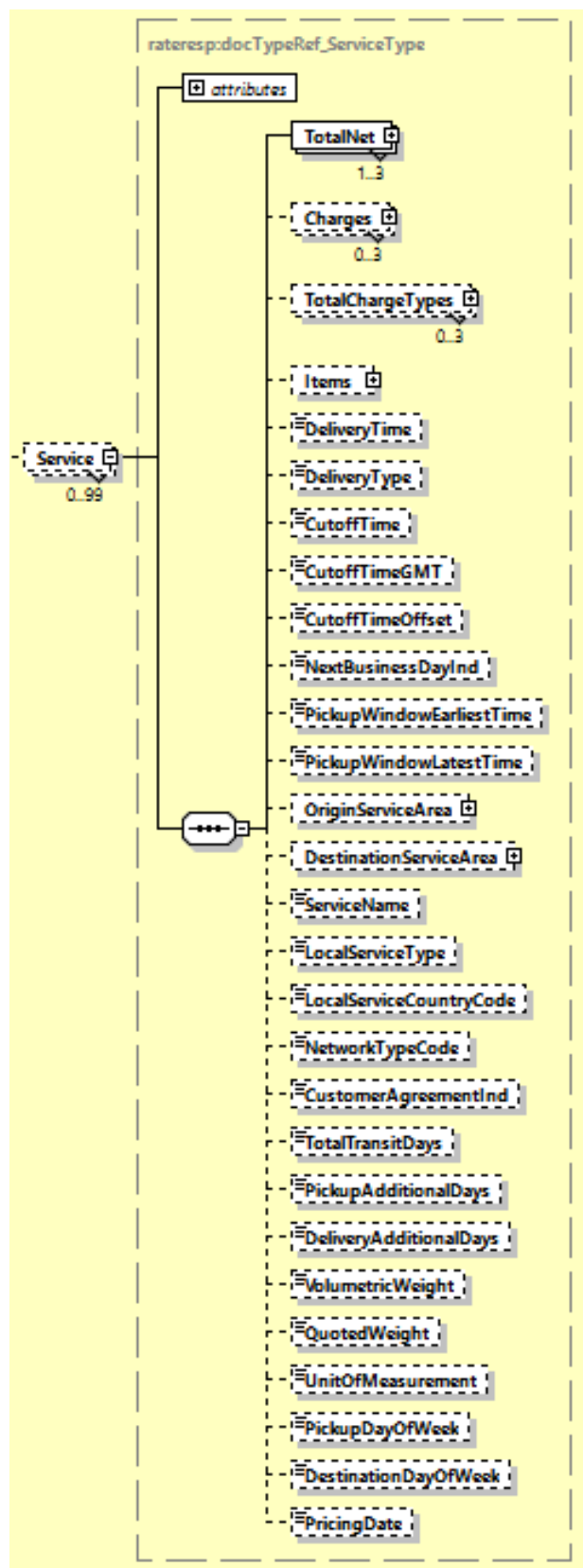
4.4.5   RateResponse Output: TotalNet

For successful responses, the total net structure shows the summary of the net estimated charges (plus currency) for a given Service. Please note that the subsequent nodes, under Charges, provides line item detail of the estimated charge. Nevertheless, for consumers only interested in the total estimate, these nodes will have the summary estimates.
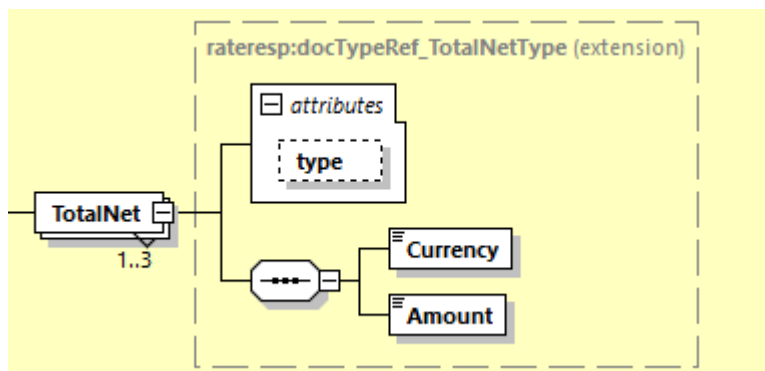
4.4.6   RateResponse Output: TotalChargeTypes

TotalChargeTypes pertains to the type of charges returned. This element will only show when GetRateEstimates = Y and GetDetailedRateBreakdown = Y.

Different types of total charges will be returned in Breakdown/Type element with possible values as:

STTXA – Total tax for the shipment

STDIS – Total discount for the shipment

SPRQT – Net shipment / weight charge
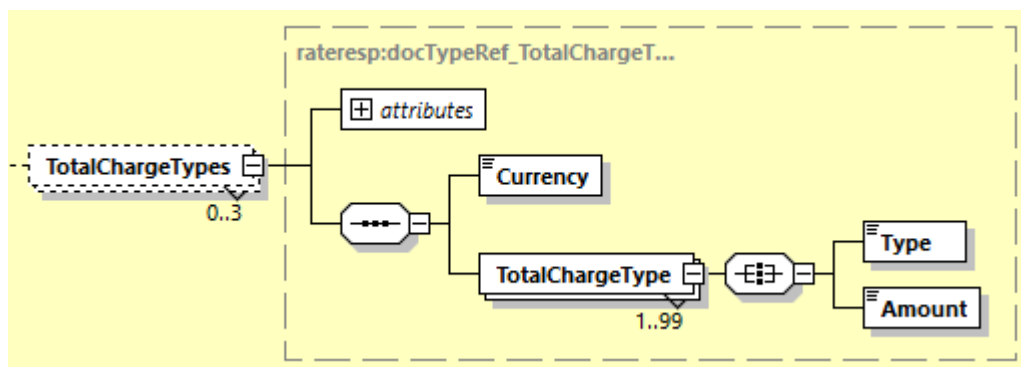
4.4.7 RateResponse Output: Items

Items in the response contain one or many charge details (if explicitly requested providing <GetItemCostBreakdown>Y</GetItemCostBreakdown>) for all Landed Cost Items.
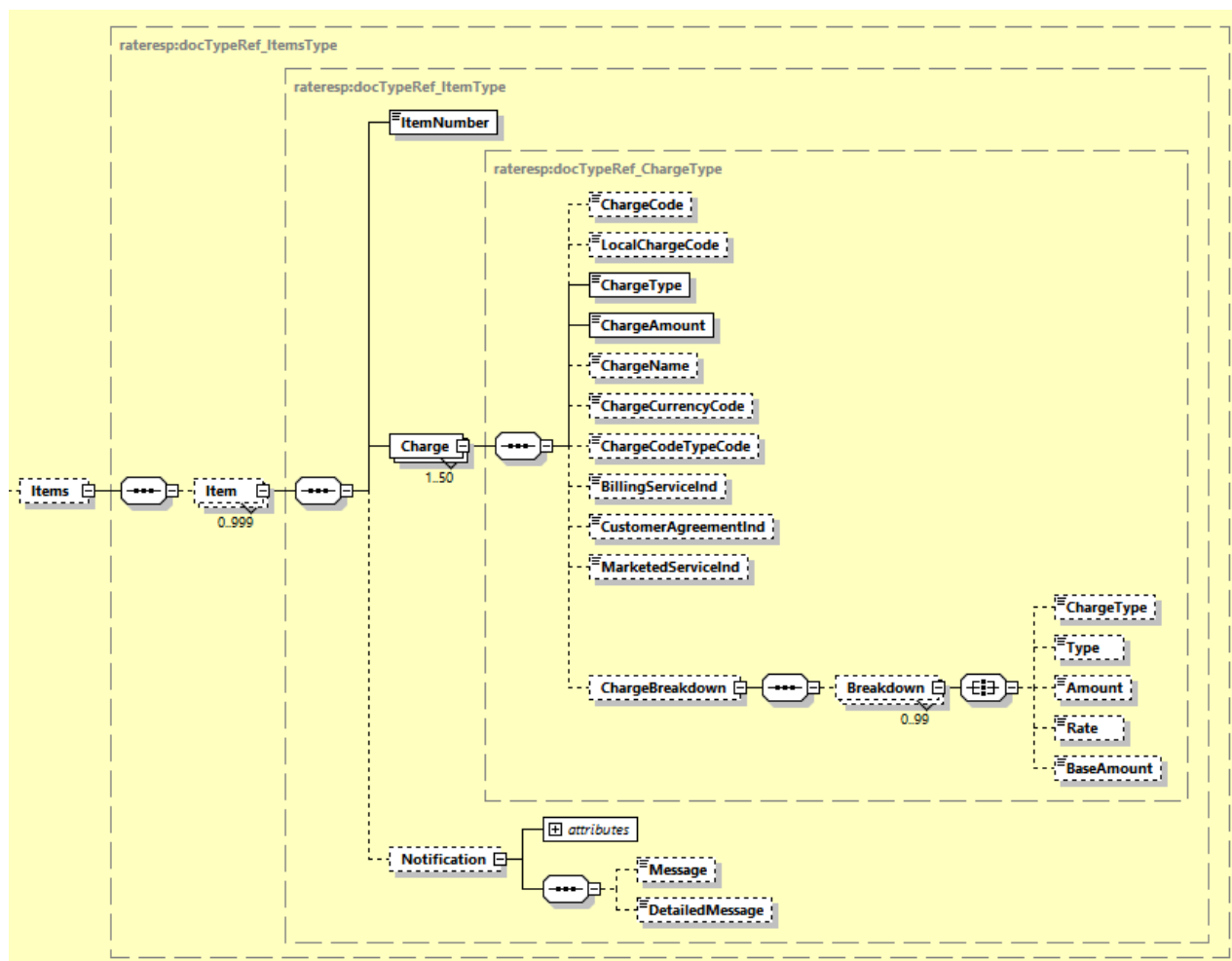
4.4.8 RateResponse Output: Charges

This section provides line item visibility into the components of that charge and value added service codes that are available for the prospect shipment. In this context, the sum of the charges communicated in this structure will be equal to the charge in TotalNet. The Currency field will apply for all of the subsequent charges, and the ChargeType is a description of the local charge code description for that charge. The text in the ChargeType may vary, depending on locale.

Important: The <ChargeCode> field is the Value Added Service code you can use in your prospect shipment when using ShipmentRequest. Please note that FF (Fuel Surcharge) should not be used as this is automatically added during billing.

<ChargeType> is the name of the service i.e. Shipment Insurance or Dangerous Goods
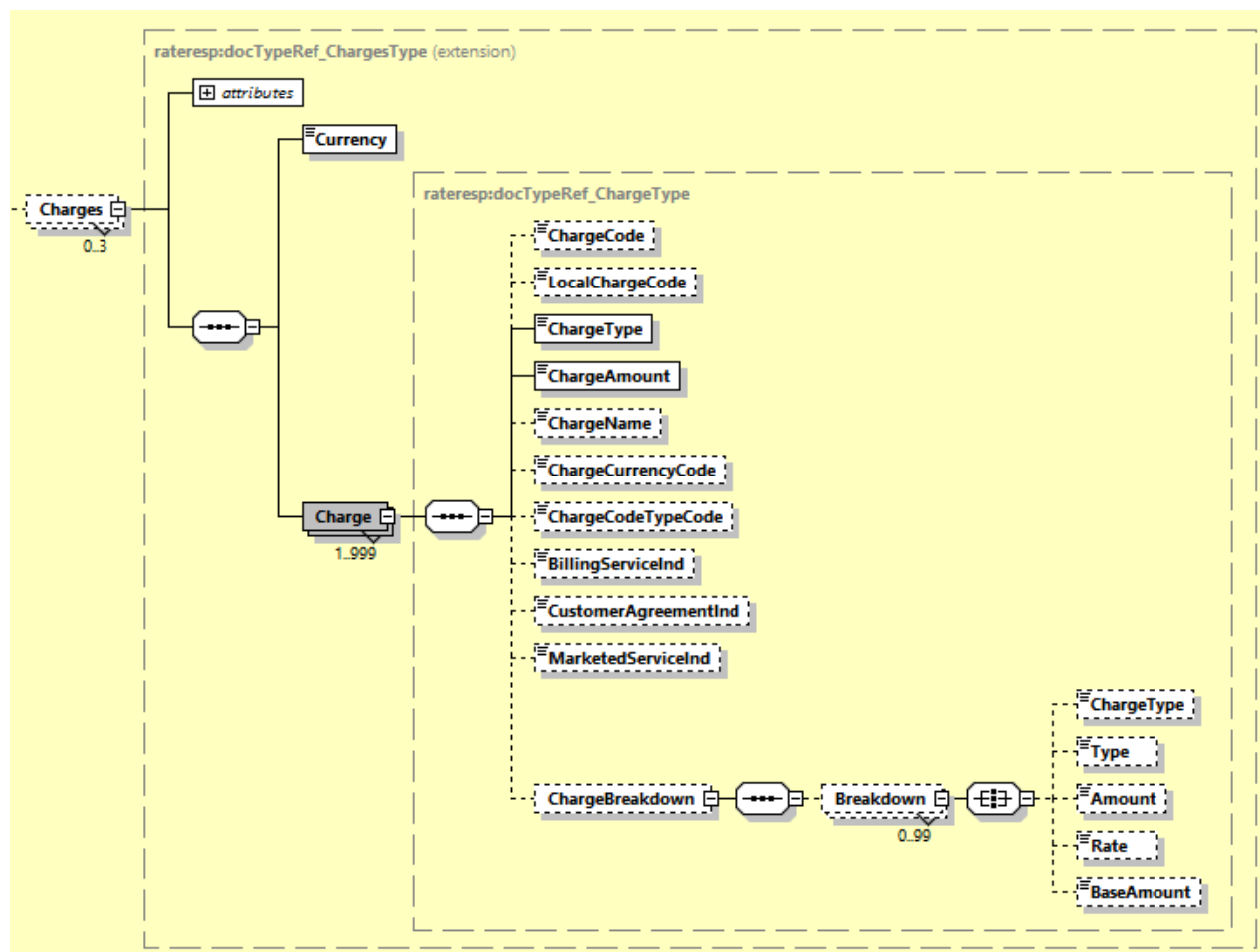
When **LandedCost** is requested then following Charge Types might be returned

Charge Type	Description
STDIS	Quoted shipment total discount
SCUSV	Shipment Customs value
SINSV	Insured value
SPRQD	Shipment product quote discount
SPRQN	The price quoted to the Customer by DHL at the time of the booking. This quote covers the weight price including discounts and without taxes.
STSCH	The total of service charges quoted to customer for DHL Express value added services, the amount is after discounts and doesn't include tax amounts.
MACHG	The total of service charges as provided by Merchant for the purpose of landed cost calculation.
MFCHG	The freight charge as provided by Merchant for the purpose of landed cost calculation.

4.4.9 RateResponse Output: DeliveryTime

The DeliveryTime field is provided for each Service, and details the local timestamp (based on delivery location) when the shipment will be *delivered by*.

4.4.10 RateResponse Output: DeliveryType

The DeliveryType field is a delivery date capabilities considering customs clearance days. The possible value of this field is as below;

- QDDF - is the fastest ("docs") transit time as quoted to the customer at booking or shipment creation. No custom clearance is considered.

- QDDC - constitutes DHL's service commitment as quoted at booking/shipment creation. QDDc builds in clearance time, and potentially other special operational non-transport component(s), when relevant.

4.4.11 RateResponse Output: CutoffTime

The CutoffTime field is optionally provided for each Service, and details the local timestamp (based on origin location) when the service offered in the response has its operational cutoff. This is the timestamp when the shipment needs to be tendered to the courier in order to meet the cutoff for that day's shipping. When the GetDetailedBreakdown = Y, the CutOffTime will be returned in GMT format and respective offset in the CutoffTimeGMT and CutoffTimeOffset field.
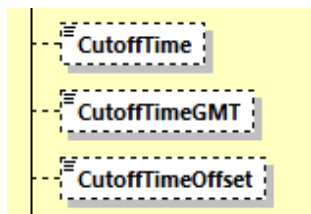
4.4.12 RateResponse Output: NextBusinessDayInd

The NextBusinessDayInd field is optionally provided for each Service, and is a Y/N indicator to alert the consumer that the next available pickup date is beyond the requested shipment date. When the Request NextBusinessDay flag is not used (or N), this value will always be N. Otherwise, this value may have a value of Y or N, depending on how the next available pickup date relates to the requested shipment date/time.

4.4.13 RateResponse Output: OriginServiceArea

This complex element contains the Service Area code and Service Area description for the origin of the shipment.
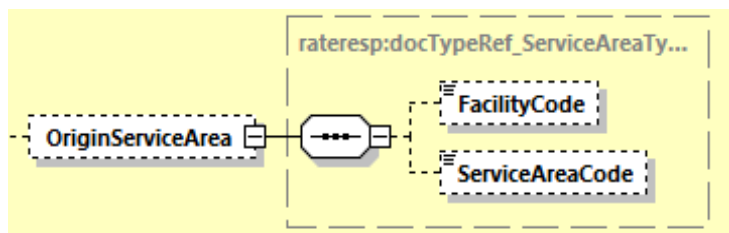
4.4.14 RateResponse Output: DestinationServiceArea

This complex element contains the Service Area Code and Service Area Description for the destination of the shipment.
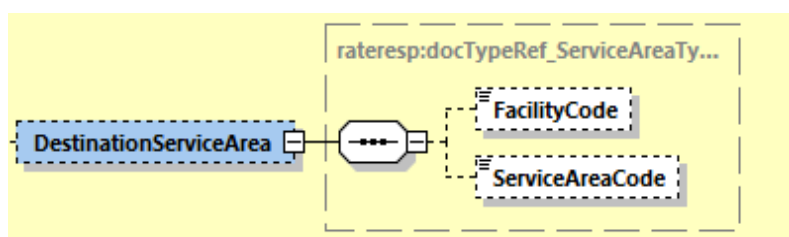
4.4.15 RateResponse Output: ExchangeRates

The ExchangeRates is used to show exchange of Billing vs Base Currency and Origin/Pickup Local vs Base Currency. This element will only show in the response when the IncludeAllCurriences = Y.
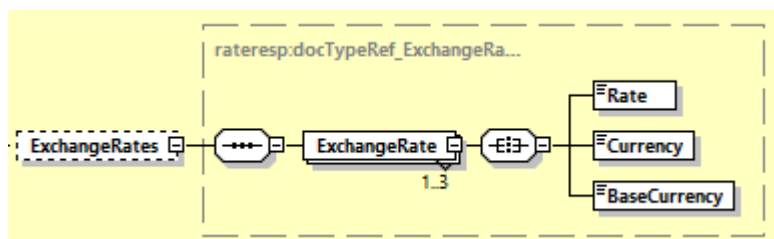
4.5 RATE RESPONSE – OUTPUT FIELD LIST

Rate Response fields	Mandatory /Optional	Value constraints	Comments
RateResponse			
RateResponse/Provider			
"@code"	M		Provider Code, always contains DHL.
RateResponse/Provider/ServiceHeader			
MessageTime	O	TIMESTAMP	Timestamp when DHL processed request
MessageReference	O	AN 32	Mapped directly from request if provided. Merchant can track messages by this reference
ServiceInvocationID	O		DHL internal Service invoation ID to expedite support
RateResponse/Provider/Notification			
"@code"	M		Error > 0 or Success Code = 0
Message	M		Response Message, see Error codes for more details
RateResponse/Provider/Service			
"@type"	M		This is the code for the product for which the delivery is feasible respecting the input data from the request.
"@account"	O		Not used.
DeliveryTime	O		This is the estimated date/time the shipment will be delivered by for the rated shipment and product listed
DeliveryType	O	Enumerated	Delivery Date capabilities considering customs clearance days. QDDF - is the fastest ("docs") transit time as quoted to the customer at booking or shipment creation. No custom clearance is considered. QDDC - constitutes DHL's service commitment as quoted at booking/shipment creation. QDDc builds in clearance time, and potentially other special operational non-transport component(s), when relevant.
CutoffTime	O	Time	This is the cutoff time for the service

			offered in the response. This represents the latest time (local to origin) which the shipment can be tendered to the courier for that service on that day.
CutoffTimeGMT	O	Time	Pickup cut off time in GMT HH:MM:SS
CutoffTimeOffset	O	Time	Pickup cut off time GMT Offset
NextBusinessDayInd	O	A 1	This indicator has values of Y or N, and tells the consumer if the service in the response has a pickup date on the same day as the requested shipment date (per the request).
PickupWindowEarliestTime	O	Time	The DHL earliest time possible for pickup
PickupWindowLatestTime	O	Time	The DHL latest time possible for pickup
ServiceName	O	A 1	Local service name
LocalServiceType	O	A 1	DHL "local / country specific" Product Code used to ship the items. Optional and applicable only to get Landed Cost
LocalServiceCountryCode	O	AN 2	The country code for the local service used
NetworkTypeCode	O	Enumerated	The NetworkTypeCode element indicates the product belongs to the Day Definite (DD) or Time Definite (TD) network. Possible Values; - 'DD', Day Definite product - 'TD', Time Definite product
CustomerAgreementInd	O	A 1	Indicator that the product only can be offered to customers with prior agreement.
TotalTransitDays	O	INTEGER	The number of transit days
PickupAdditionalDays	O		This is additional transit delays (in days) for shipment picked up from the mentioned city or postal area to arrival at the service area.
DeliveryAdditionalDays	O		This is additional transit delays (in days) for shipment delivered to the

			mentioned city or postal area following arrival at the service area.
VolumetricWeight	O	12.3 D	The dimensional weight of the shipment
QuotedWeight	O	12.3 D	The quoted weight of the shipment
UnitOfMeasurement	O	Enumerated	Possible values: - SI, international metric system (KG, CM) - SU, the US system of measurement (LB, IN) The unit of measurement for the dimensions of the package.
PickupDayOfWeek	O		Pickup day of the week number
DestinationDayOfWeek	O		Destination day of the week number
PricingDate	O	Date	The date when the rates for DHL products and services is provided
RateResponse/Provider/Service/OriginServiceArea			
FacilityCode	O	AN 3	The DHL Facility Code for the Origin
ServiceAreaCode	O	AN 3	The DHL Service Area Code for the origin of the Shipment
RateResponse/Provider/Service/DestinationServiceArea			
FacilityCode	O	AN 3	The DHL Facility Code for the Destination
ServiceAreaCode	O	AN 3	The DHL Service Area Code for the destination of the Shipment
RateResponse/Provider/Service/TotalNet (1:3)			
Currency	M		This the currency of the rated shipment for the product listed.
Amount	M		This is the total prize of the rated shipment for the product listed.
@type	O	Enumerated	Possible Values : - 'BILLC', billing currency - 'PULCL', country public rates currency - 'BASEC', base currency
RateResponse/Provider/Service/Charges (0:3)			

@type	O	Enumerated	Possible Values : - 'BILLC', billing currency - 'PULCL', country public rates currency - 'BASEC', base currency
Currency	M		This the currency for all line item charges listed in the Charge section
RateResponse/Provider/Service/Charges/Charge (1:999)			
ChargeCode	O	AN 2	Special service or extra charge code – this is the code you would have to use in the ShipmentRequest message if you wish to add an optional Service such as Insurance.
LocalChargeCode	O	AN 2	Local service code
ChargeType	M	AN	Name of the Value Added Service
ChargeAmount	M	Token	The charge amount of the line item charge.
ChargeName	O	AN 35	Name of the charge
ChargeCurrencyCode	O	AN 3	Currency code of the charge
ChargeCodeTypeCode	O	Token	Special service charge code type for service.
BillingServiceInd	O	"Y", "N"	Indicator if there is any discount allowed
CustomerAgreementInd	O	"Y", "N"	Customer agreement indicator for product and services, if service is offered with prior customer agreement
MarketedServiceInd	O	"Y", "N"	Indicator if the special service is marketed service
RateResponse/Provider/Service/Charges/Charge/ChargeBreakdown			
RateResponse/Provider/Service/Charges/Charge/ChargeBreakdown/Breakdown (0:99)			
ChargeType	O	Token	If a breakdown is provided, details can either be; - "TAX", - "DISCOUNT"
Type	O	Token	Discount or tax type codes as provided by DHL Express. Example values;

			For discount;
			P – promotional
			S – special
Amount	O	Token	The actual amount of the discount/tax
Rate	O	Token	Percentage of the discount/tax
BaseAmount	O	Token	The base amount of the service charge
RateResponse/Provider/Service/TotalChargeTypes (0:3)			
@type	O	Enumerated	Possible Values :
			- 'BILLC', billing currency
			- 'PULCL', country public rates currency
			- 'BASEC', base currency
Currency	M		This is the currency of the rated shipment for the product listed.
RateResponse/Provider/Service/TotalChargeTypes/TotalChargeType (1:99)			
Type	M		Expected values in Breakdown/Type are below:
			STTXA – Total tax for the shipment
			STDIS – Total discount for the shipment
			SPRQT – Net shipment / weight charge
Amount	M		The amount price of DHL product and services
RateResponse/Provider/Service/Items (0:1)			
RateResponse/Provider/Service/Items/Item (0:999)			
ItemNumber	M	Integer	Item line number
RateResponse/Provider/Service/Items/Item/Charge (1:50)			
ChargeCode	O	AN 2	Code of the charge
LocalChargeCode	O	AN 2	Local code of the charge
ChargeType	M	Token	Charge type or category.
			Possible values;
			- DUTY

			- TAX - FEE
ChargeAmount	M	Token	The charge amount of the line item charge.
ChargeName	O	AN 35	Name of the charge
ChargeCurrencyCode	O	AN 3	Currency code of the charge
ChargeCodeTypeCode	O	Token	Special service charge code type for service. XCH type charge codes are Optional Services and should be displayed to users for selection. The possible values are; - XCH = Extra charge - FEE = Fee - SCH = Surcharge - NRI = Non Revenue Item Other charges may be automatically returned when applicable.
BillingServiceInd	O	"Y", "N"	Indicator if there is any discount allowed
CustomerAgreementInd	O	"Y", "N"	Customer agreement indicator for product and services, if service is offered with prior customer agreement
MarketedServiceInd	O	"Y", "N"	Indicator if the special service is marketed service
RateResponse/Provider/Service/Items/Item/Charge/ChargeBreakdown			
RateResponse/Provider/Service/Items/Item/Charge/ChargeBreakdown/Breakdown (0:99)			
ChargeType	O	Token	If a breakdown is provided, details can either be; - "TAX", - "DISCOUNT"
Type	O	Token	Discount or tax type codes as provided by DHL. Example values; For discount; P – promotional S – special

Amount	O	Token	The actual amount of the discount/tax
Rate	O	Token	Percentage of the discount/tax
BaseAmount	O	Token	The base amount of the service charge
RateResponse/Provider/Service/Items/Item/Notification (0:1)			
"@Code"	O	String	Error > 0 or Success Code = 0
Message	O	AN 128	Short description of the error / status
DetailedMessage	O	AN 1024	Detailed description of the error / status
RateResponse/Provider/ExchangeRates			
RateResponse/Provider/ExchangeRates/ExchangeRate (1:3)			
Rate	M	Token	Rate of the currency exchange
Currency	M	Token	The currency code
BaseCurrency	M	Token	The currency code of the base currency is either USD or EUR

5. SHIPMENTREQUEST

5.1 SHIPMENTREQUEST - DESCRIPTION

The ShipmentRequest Operation will allow you to generate an AWB number and piece IDs, generate a shipping label, transmit manifest shipment detail to DHL, and optionally book a courier for the pickup of a shipment. The key elements in the response of the Shipment Request will be a base64 encoded PDF label and the Shipment and Piece identification numbers, which you can use for tracking on the DHL web site.

While the RateRequest and ShipmentRequest services can be used independently, DHL recommends the use of RateRequest to first validate the products available for the shipper/receiver. The global product codes which are output during the RateResponse can be used directly as input into the Shipment Request, as both perform similar validations in terms of service capability.

5.2 SHIPMENTREQUEST - INPUT

The following diagram shows an overview of the request input structure.

Within the ShipmentRequest, the ClientDetail is an optional node for reference use, and does not affect functionality.   The critical elements are contained within the RequestedShipment node.
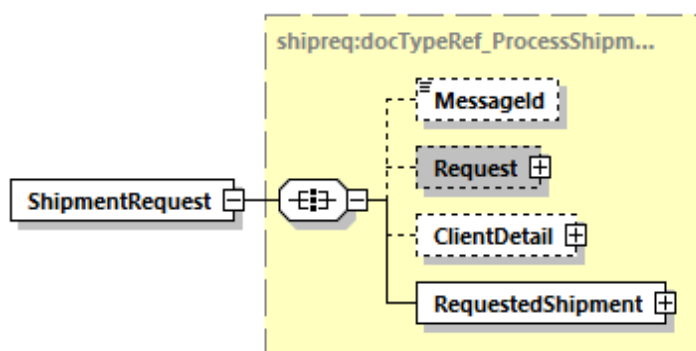
5.2.1   ShipmentRequest Schema Diagram

Each of the individual sections of RequestedShipment is shown below in schema diagram, with context, and a detailed description of each field follows in the Input Field List.
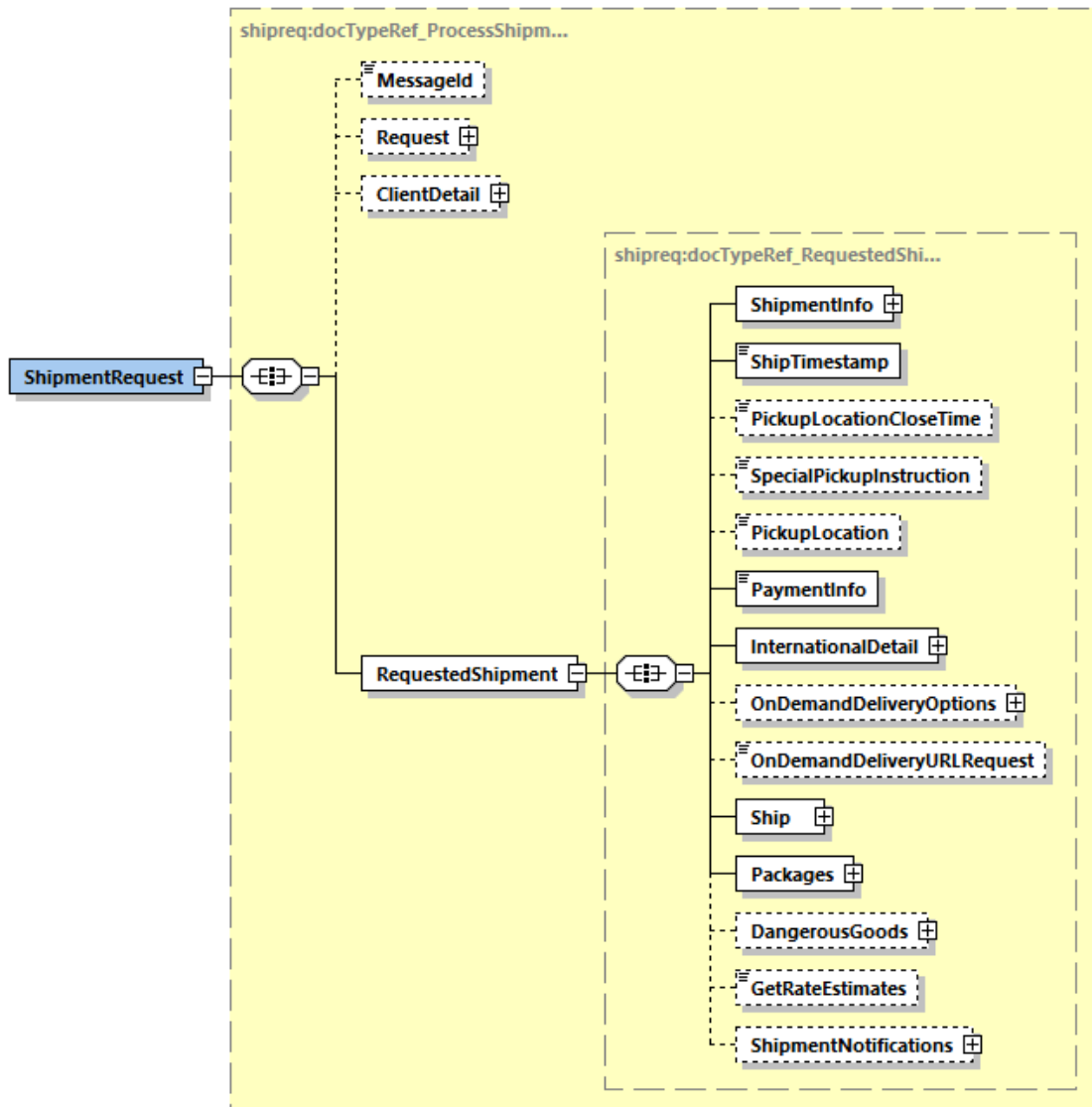
5.2.2   ShipmentRequest Input: Request

Optional section to populate information used to identify customer request for troubleshooting or tracking. DHL Express recommends that this information is provided.
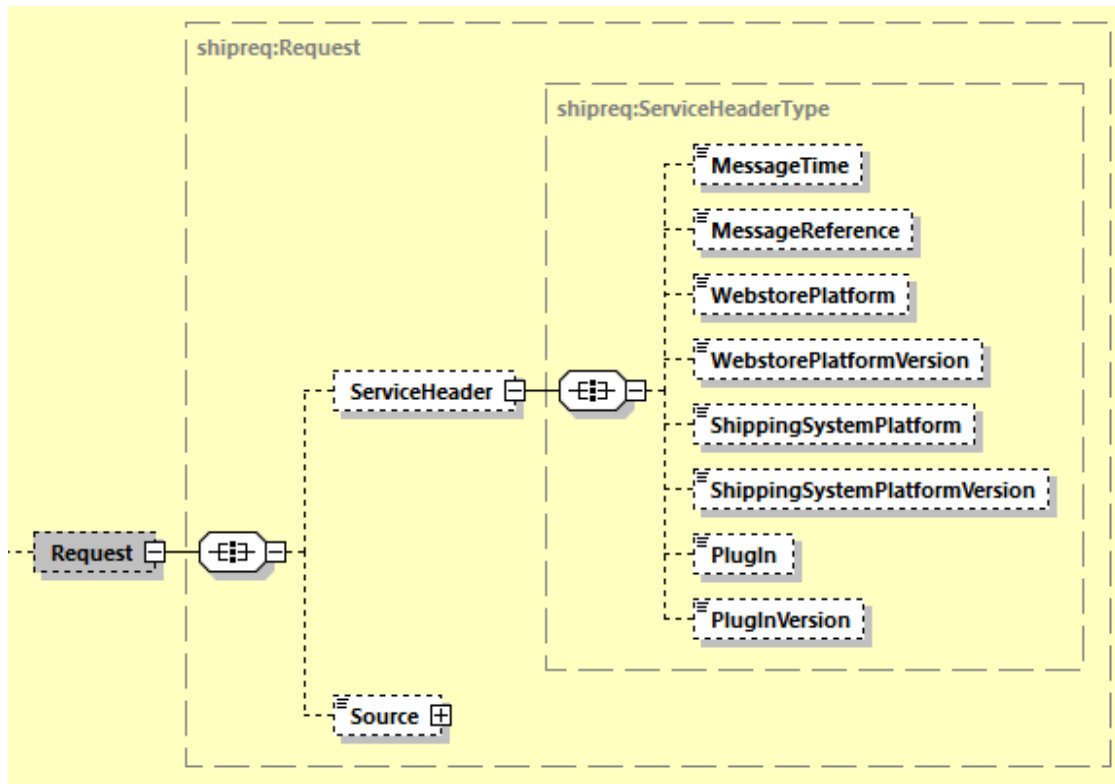
5.2.3   ShipmentRequest Input: ShipmentInfo

The ShipmentInfo section provides general shipment detail, pertaining to operational and billing features. The Billing, Special Services, Document Images, Label Option and Shipment Reference sub-structures are detailed in below sections.
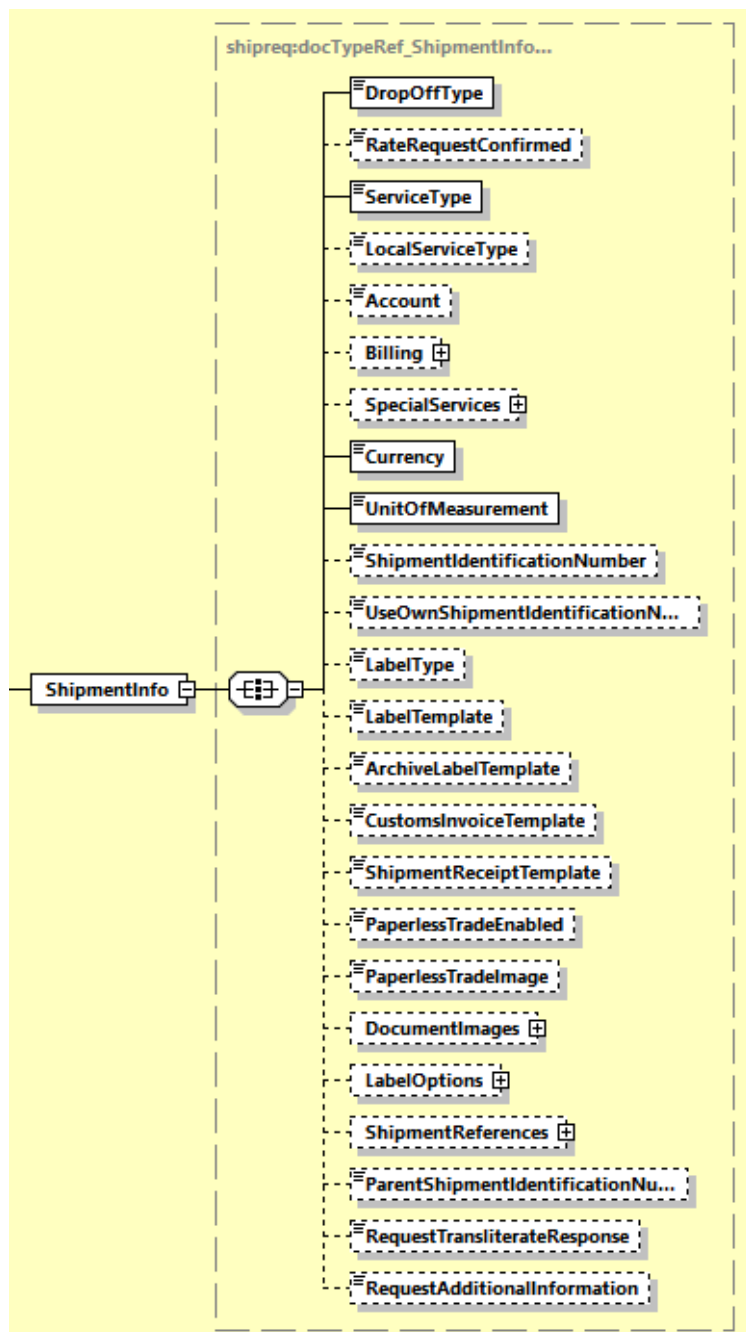
5.2.4   ShipmentRequest Input: ShipmentInfo DropOffType

The DropOffType is a required field with two possible values, and these values are used to determine whether a driver pickup will be scheduled as part of this orchestrated service. If a pickup is requested (REQUEST_COURIER), the web service consumer can expect the optional DispatchConfirmationNumber to be populated in the response. Otherwise, no pickup will be scheduled, and no pickup reference information will be provided in the response.
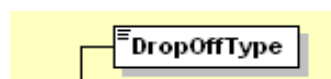
5.2.5   ShipmentRequest Input: ShipmentInfo ServiceType

The ServiceType is a required field which corresponds to the DHL global product code, which describes the product requested for this shipment. These product codes are available as output from Rate Request, and the product codes provided will be validated against the origin-destination requested in the Shipment Request.

5.2.6   ShipmentRequest Input: ShipmentInfo Account

The Account field is a required business field, but is optional within the schema as this information can be provided in one of two structures. It must either be provided in this field or within the Billing structure (see below). DHL recommends use of more robust Billing structure. This field corresponds to the Shipper account number and usage of this field presumes that the account will also be used as the Payer account. This field is validated as a valid account for usage within this process. For dutiable shipment, account will be assumed as the DutyAndTaxPayerAccountNumber if the DutyAndTaxPyerAccountNumber is not provided under Billing section.
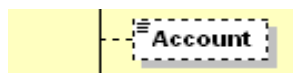
5.2.7   ShipmentRequest Input: ShipmentInfo Billing

If the Billing structure is included, the first two fields are required. This schema structure conveys the Shipper Account Number, as well as extensibility to convey receiver or third party account number as payer. The DutyAndTaxPayerAccountNumber field indicates the DHL account number used for duties payment.
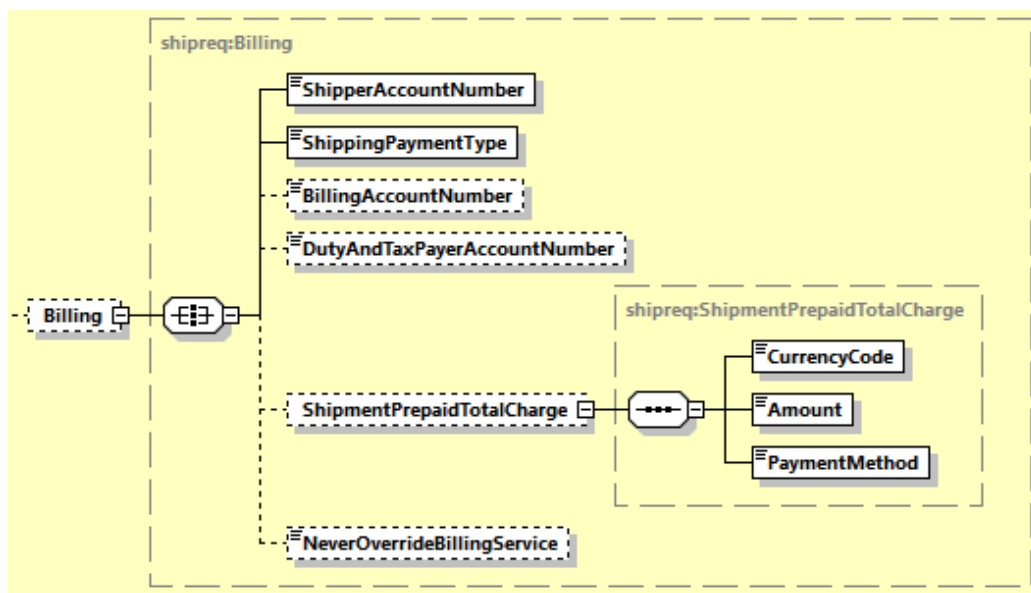
The ShipmentPrepaidTotalCharge is an optional field used to support Cash Shipments where agreed with DHL Express. Cash shipments will only work if the DHL Express Account number used is a valid account with account type of "C" – Cash account in the DHL systems, the ShippingPaymentType value is 'S' - shipper and this feature is enabled within the customer profile.

The NeverOverrideBillingServices is an optional flag to indicate whether to override the DHL Billing Service should it be incorrectly provided. This is automatically derived based on the Shipper/Receiver Address, Shipper/Payer Account number and type of shipment.

N (No) - overwrite with derived DHL Billing Service via Account Validation - Create Shipment service - default behavior

Y (Yes) - use customers provided billing special service code to derive the DHL Billing service **(not recommended)**

5.2.8   ShipmentRequest Input: ShipmentInfo SpecialServices

The SpecialServices section communicates additional shipping services, such as Insurance (or Shipment Value Protection). For example, to support Insurance, the ServiceType would have a value of 'II', which the ServiceValue and CurrencyCode containing the insured value and currency, respectively. Please note that for all other Value Added Service like Saturday Delivery, Dangerous goods etc you do not need to declare the service charge and currency.
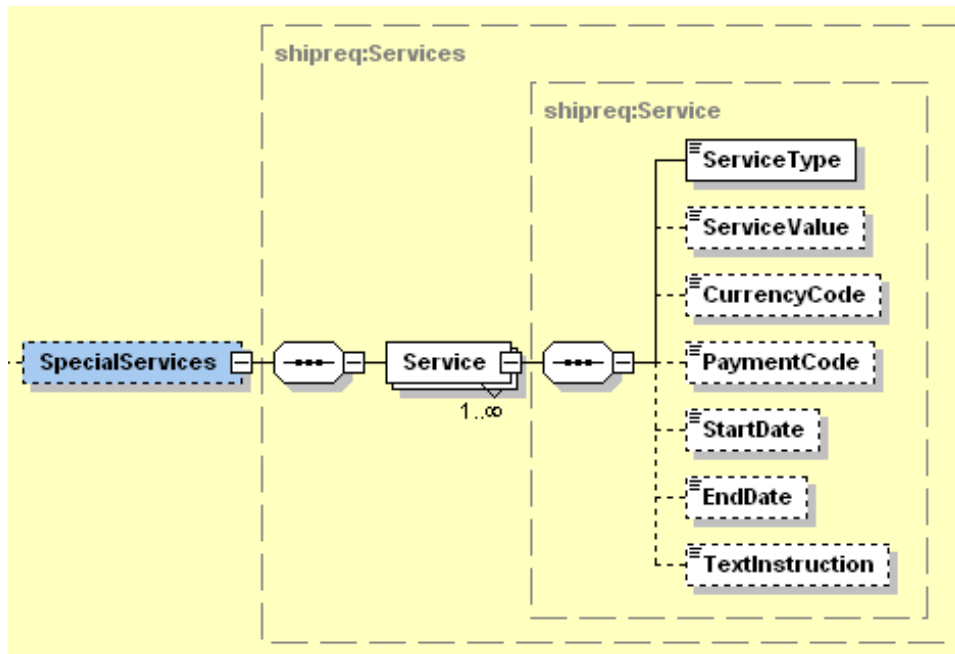
5.2.9   ShipmentRequest Input: ShipmentInfo Currency

The Currency field is a required field which details the currency for the Customs Value.
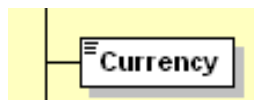
5.2.10   ShipmentRequest Input: ShipmentInfo UnitOfMeasurement

The UnitOfMeasurement node conveys the unit of measurements used in the operation. This single value corresponds to the units of weight and measurement used throughout the message processing. The value of 'SI' corresponds to KG and CM, respectively, while the value of 'SU' corresponds to LB and IN, respectively.

5.2.11   ShipmentRequest Input: ShipmentInfo ShipmentIdentificationNumber

The ShipmentIdentificationNumber should only be used if discussed with your DHL Express IT Consultant. This field (when enabled by DHL Express) allows you to use your own DHL Express allocated Waybill number range to be used – please note that the norm is to not use this field and each shipment will automatically have its own Waybill number assigned when creating the shipment.
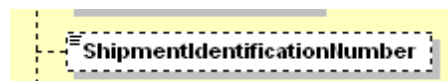
5.2.12   ShipmentRequest Input: ShipmentInfo UseOwnShipmentIdentificationNumber

The UseOwnShipmentIdentificationNumber should only be used if discussed with your DHL Express IT Consultant. This field (when enabled by DHL Express) allows you to use your own DHL Express allocated Waybill number range to be used and tells MyDHL API that you wish to provide your own Waybill number for each shipment – please note that the norm is to not use this field and each shipment will automatically have its own Waybill number assigned when creating the shipment.

5.2.13   ShipmentRequest Input: ShipmentInfo LabelType

The LabelType node conveys the label type used in the operation. It is an optional field. This single value corresponds to the label type returned to customer. Customer can send one of the four values in this field (PDF, ZPL, EPL, LP2). If customer didn't include this tag, the default is PDF.
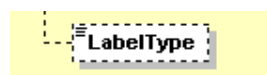
5.2.14   ShipmentRequest Input: ShipmentInfo LabelTemplate

The LabelTemplate node conveys the label template used in the operation. It is an optional field. This single value corresponds to the label template used to generate labels. – Please check with your DHL Express IT representative which templates meets your requirements. If this tag is not included, then the default of ECOM26_84_001 will be used
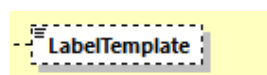
5.2.15   ShipmentRequest Input: ShipmentInfo ArchiveLabelTemplate

The ArchiveLabelTemplate node conveys the label template used in the operation. It is an optional field. This single value corresponds to the label template used to generate the Archive labels. Please check with your DHL Express IT representative which templates meets your requirements. If this tag is not included, then the default of ARCH_8x4 will be used
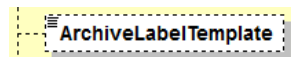
5.2.16   ShipmentRequest Input: ShipmentInfo CustomsInvoiceTemplate

The CustomsInvoiceTemplate node conveys the Custom Invoice template used in the operation. It is an optional field. This single value corresponds to the custom invoice template used to generate custom invoice only when the RequestCommercialInvoice = Y. The default template is 'COMMERCIAL_INVOICE_03'.
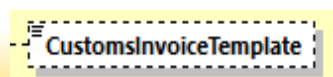
5.2.17 ShipmentRequest Input: ShipmentInfo ShipmentReceiptTemplate

The ShipmentReceiptTemplate node conveys the Shipment Receipt template used in the operation. It is an optional field. This element is currently only published with Russia's Shipment Receipt's template which is mainly used for Russia only when the RequestShipmentReceipt = Y. The default and valid template for this field is 'SHIP_RECPT_A4_RU_002'.
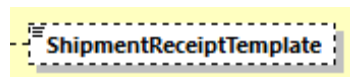
5.2.18 ShipmentRequest Input: ShipmentInfo PaperlessTradeEnabled

The PaperlessTradeEnabled node is an optional flag indicating if the request includes a Paperless Trade image/document. If PaperlessTradeEnabled = True / 1, it is mandatory to include the SpecialServices/Service/ServiceType = WY.
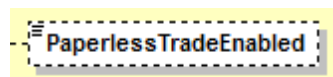
- If PaperlessTradeEnabled = True / 1, and DocumentImages is provided in the request message, the provided image will be used to upload into the DHL system for custom clearance purpose.
- If PaperlessTradeEnabled = True / 1, RequestDHLCustomsInvoice = Y and customer invoice in DocumentImages is not provided in the request message, the DHL generated custom invoice will be upload into DHL system for custom clearance purpose.
- If the PaperlessTradeEnabled = False / 0, SpecialServices/Service/ServiceType = WY, shipment will be created without upload any images into DHL system. The invoice can be upload later using the UpdateShipment service.
- If the PaperlessTradeEnabled = False / 0, and the SpecialServices/Service/ServiceType = WY is not provided while creating the shipment, customer will not be able to use the image upload function in the UpdateShipment service.

5.2.19 ShipmentRequest Input: ShipmentInfo DocumentImages

The DocumentImages node is to support multiple base64 encoded string with the image of export documentation for Paperless Trade images. When an invalid base64 encoded string is provided, an error message will be returned.
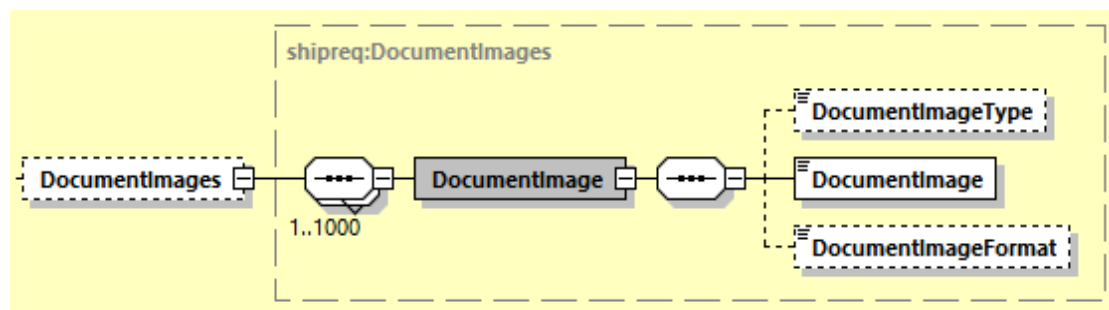
5.2.20 ShipmentRequest Input: ShipmentInfo LabelOptions

The LabelOptions section give customer options to generate the Transport documents in several configurable options. The options are as follow;
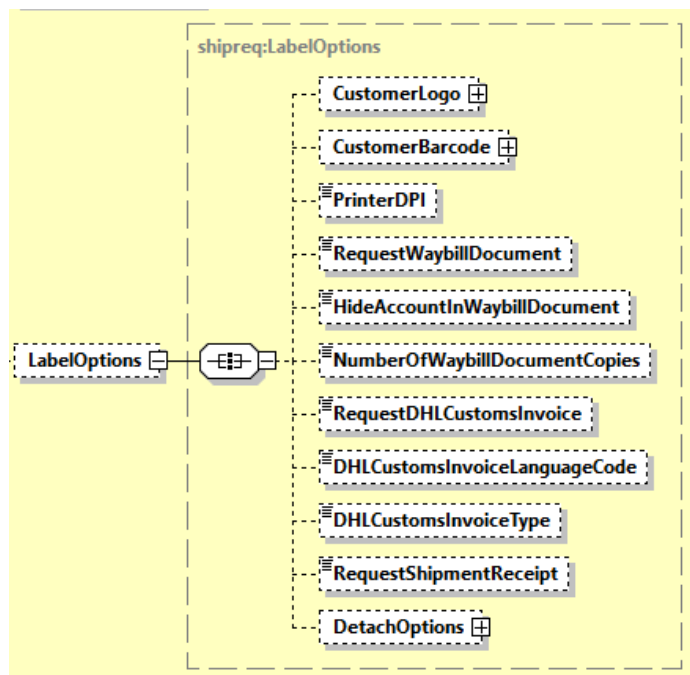
- CustomerLogo: The customer company logo. This will enable the customer to generate the Transport label using their own company logo. The children elements are;
  - LogoImage: The customer logo image. Supported image file format are RGB and B&W
  - LogoImageFormat : Format of the logo image

- CustomerBarcode: Customer can print their barcode content as well as the text below barcode. Can only be used if the following label template is used: '**ECOM26_84CI_002'** The children element are ;
  - BarcodeType: Type of barcode (39,93,128)
  - BarcodeContent: The content in the barcode
  - TextBelowBarcode: Thext below barcode

- PrinterDPI: The value will be passed as input parameter of resolution on the barcode quality on the shipping labels. The default is 200.

- RequestWaybillDocument: For all dutiable shipment (except PLT shipment), waybill document will be rendered in the response message. If the value provided is Y, waybill document is printed for all shipments including the non-dutiable and dutiable shipments.
  - If the shipment is dutiable, PaperlessTradeEnabled = True/1 (SpecialService = WY), and the RequestWaybillDocument = N or not provided, the Waybill Document will NOT be printed
  - If the shipment is dutiable, PaperlessTradeEnabled = False/0 and the RequestWaybillDocument = N or not provided, the Waybill Document will be printed
  - If the shipment is Non-dutiable, PaperlessTradeEnabled = True/1 (SpecialService = WY), and the RequestWaybillDocument = N or not provided, the Waybill Document will NOT be printed
  - If the shipement is Non-dutiable, PaperlessTradeEnabled = False/0 and the RequestWaybillDocument = N or not provided, the Waybill Document will NOT be printed.

- HideAccountInWaybillDocument: The flag used to not print the account number on the waybill document for within the freight and duty tax account field. The default value is N. If the value is set to Y, account number will NOT be printed on the waybill document for both freight and duty tax account field.

- NumberOfWaybillDocumentCopies: You can optionally request up to 2 Waybill documents to be generated automatically

- RequestDHLCustomInvoice: This flag is used to generate Customs Invoice using a DHL Express invoice template. The default is N, customers using their own invoice and MyDHL API will not generate the invoice. If the flag is set to Y, and CustomsInvoiceTemplate is not provided, the Custom Invoice is generated using the "COMMERCIAL_INVOICE_03" template.

- DHLCustomsInvoiceLanguageCode: The language code input that will be used to generate the Custom Invoice and language used in it. The default value is 'eng' (English). The supported languages for this field is stated in section 5.3.

- DHLCustomsInvoiceType: The type of custom invoice to be generated. The possible value is COMMERCIAL_INVOICE (default) and PROFORMA_INVOICE.

- RequestShipmentReceipt: The flag to generate Shipment Receipt document. The default value is N, Shipment Receipt document will not be renderd in the response message.

5.2.21   ShipmentRequest Input: LabelOptions DetachOptions

The detach options section will determine the label and/or document image output in the Create Shipment response for Transport Label, Waybill Document, Shipment Receipt and Customs Invoice document image depending on the options. The children element for this section are as below;
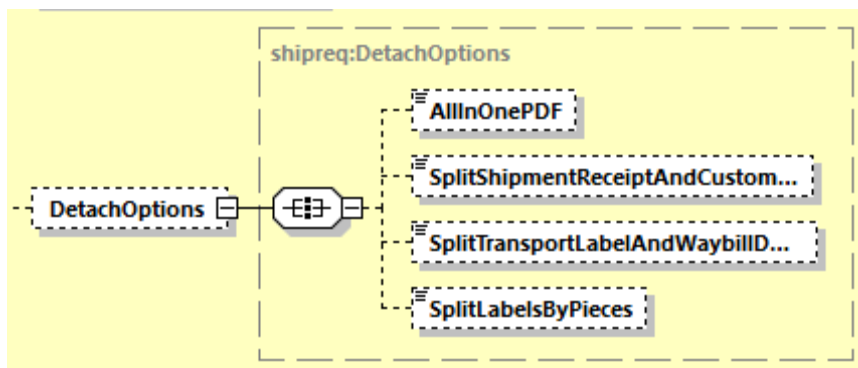
- SplitShipmentReceiptAndCustomsInvoice: Flag used to generate a single PDF or thermal output image consisting of Transport Label, Waybill Document, Shipment Receipt and Commercial Invoice. The default value is N, a single PDF or thermal output image file consists of Transport Label + Waybill Document and single PDF or thermal output image file for Shipment Receipt and Customs Invoice will be returned in create shipment response.

- SplitShipmentReceiptAndCustomsInvoice: Flag to generate a single PDF or thermal output image file consisting of Transport Label + Waybill Document, a single file consist of Commercial Invoice and a single file consist of Shipment Receipt. The default value is N, a single PDF or thermal output image file consists of Transport Label + Waybill Document and single PDF or thermal output image file for Shipment Receipt and Customs Invoice will be returned in create shipment response.

- SplitTransportLabelAndWaybillDocument: Flag to generate a single PDF or thermal output file for the Transport Label, a single PDF or thermal output file for the Waybill document and a single PDF file consisting of Commercial Invoice and Shipment Receipt. The default value is N, a single PDF or thermal output image file consists of Transport Label and single PDF or thermal output image file for Waybill Document will be returned in create shipment response.

- SplitLabelByPieces: This field provide the option to generate a single PDF or thermal output image file for each pieces for the Transport Label and single PDF or thermal output image file for Waybill Document will be returned in the create shipment response. The default value is N, a single PDF or thermal output image file for each pieces for Transport Label and single PDF or thermal output image file for Waybill Document will be returned in create shipment response.

5.2.22 ShipmentRequest Input: ShipmentInfo ShipmentReferences

The ShipmentReferences is an optional value that supported for maximum 999 occurrences. The first reference will be printed on the transport label. If this field is not provided in the request message, the existing CustomerReferences will be used and printed on the transport label. If the shipment reference is provided more than 1 in the request message, only the first ShipmentReference will be printed in the transport label. There are 2 children element under this field, ShipmentReferences and ShipmentReferenceType.
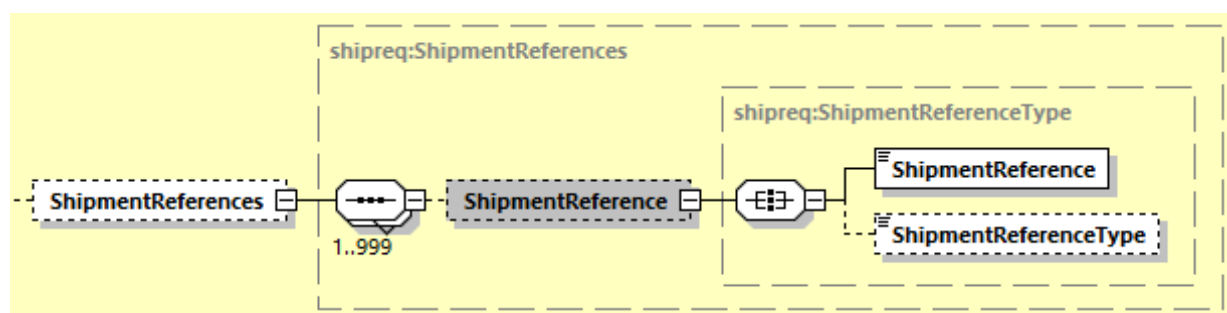
5.2.23 ShipmentRequest Input: ShipmentInfo ParentShipmentIdentificationNumber

The ParentShipmentIdentificationNumber is the Parent (Mother) Shipment ID and the ParentPieceIdentificationNumber is the Parent (Mother) Piece ID number. This field will be used for linkage purposes when the customer is using the conventional BreakBulk Express (BBX) service.
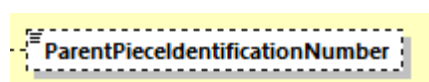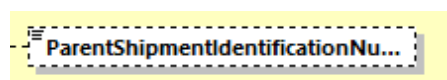
Steps to prepare conventional BBX shipment.

1) Customer sends the create shipment request message for Mother Shipment with relevant shipment information and the below information:
   a. The <RequestedPackages> element should declare the relevant package's piece details.
   b. <SpecialServices/Service[n]/ServiceType> element must contain value of 'YW'
   c. <ShipmentInfo/ServiceType> element must contain value of 'P' or 'H'

2) Customer receives create shipment response message for Mother Shipment with the Pieces IDs (<TrackingNumber> in MyDHL API create shipment response). The successful response is used to create the Mother shipment label.

3) Customer sends the create shipment request message for Baby Shipment with relevant shipment information and the below information:
a) At the baby shipment level,
    i. <ParentShipmentIdentificationNumber> element must contain the Mother Shipment ID
    ii. <ShipmentInfo/ServiceType> element must contain value of 'B'

b) For each baby piece id
    i. <ParentPieceIdentificationNumber> element must contain the corresponding Mother Shipment's piece ID

4) Customer receives shipment validation response message for Baby Shipment. The successful response can be used to create the Baby shipment label.

5.2.24   ShipmentRequest Input: ShipmentInfo RequestTransliterateResponse

The RequestTransliterateResponse is the flag to request transliteration text in response. The default value is N, the create shipment response will be returned as it is without any transliteration texts. If the value is set to Y, the response message will returned transliteration texts for all fields in Create Shipment request message of international shipments except *_BASE64 AND *_SYMBOLOGY fields. The language to be translated will be based on the shipper country code. The only supported language is Russian currently.
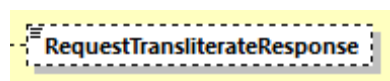
5.2.25   ShipmentRequest Input: Shipmentnfo RequestAdditionalInformation

The RequestAdditionalInformation node is an optional field to have additional information in the shipment response. The default value is N, where the response message is return as it is. If the value is set as Y, the response message will include the AdditionalInformation field in the response message.
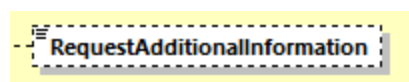
5.2.26   ShipmentRequest Input: ShipTimeStamp

The ShipmentTimeStamp node is the date/time stamp (including GMT offset) when the shipment will be ready for shipping and tendered to the carrier, either as part of a scheduled pickup, regular pickup, station dropoff, etc. Please note that the timestamp for this event does not represent the time of the execution of the service, and should not be considered a system event.

5.2.27   ShipmentRequest Input: PickupLocationCloseTime

The PickupLocationCloseTime node identifies the pickup location close time (i.e. what time do the premises where the collection is supposed to happen close). The value must be in local time. The value component must be HH:MM (using a 24-hours clock format, e.g. 14:00). This node is optional and must be used with DropOffType = 'REQUEST_COURIER'.
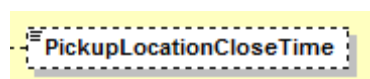
5.2.28 ShipmentRequest Input: SpecialPickupInstruction

The SpecialPickupInstruction node details any special instructions you wish to send to the courier for the order pick-up. This node is optional and must be used with DropOffType = 'REQUEST_COURIER'.
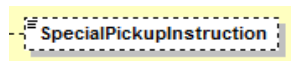
5.2.29 ShipmentRequest Input: PickupLocation

The PickupLocation node provides information on where the package should be picked up by DHL courier. This node is optional and must be used with DropOffType = 'REQUEST_COURIER'.
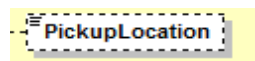
5.2.30 ShipmentRequest Input: PaymentInfo

The PaymentInfo node details the potential terms of trade for this specific shipment, and the schema itself defines the possible enumerated values for this field.

5.2.31 ShipmentRequest Input: International Detail

The InternationalDetail section conveys data elements for international shipping.

The Description field is used as a description of goods for the label and manifest.

The CustomsValue field communicates the customs value of the shipment, used for manifesting.

The USFilingTypeValue is used for the US AES4, FTR and ITN numbers to be printed on the Transport Label
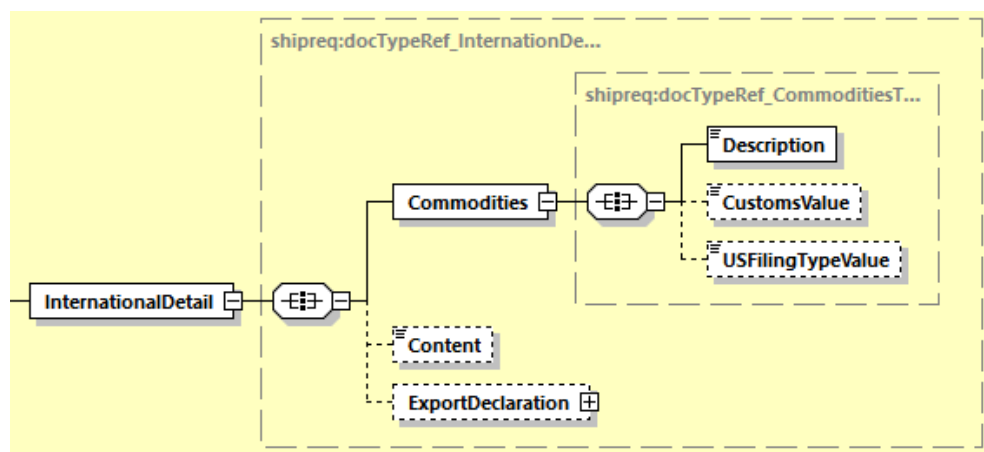
5.2.32 ShipmentRequest Input: Content

The Contents node details whether a shipment is non-dutiable (value DOCUMENTS) or dutiable (NON_DOCUMENTS). Depending on the nature of the contents of the shipment, is customs duties are applicable, different products may be offered by the DHL web services.
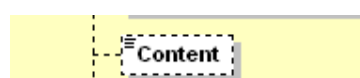
5.2.33   ShipmentRequest Input: ExportReference

An optional field ExportReference exists in the InternationalDetail segment to support the requirement for origin specific export references, such as EEI/ITN reference information required for the US export. An example of the node contents is below.

<ExportReference>AES X20101010123456</ExportReference>

5.2.34   ShipmentRequest Input: ExportDeclaration

The ExportDeclaration section is for DHL Customer to declare dutiable shipment.
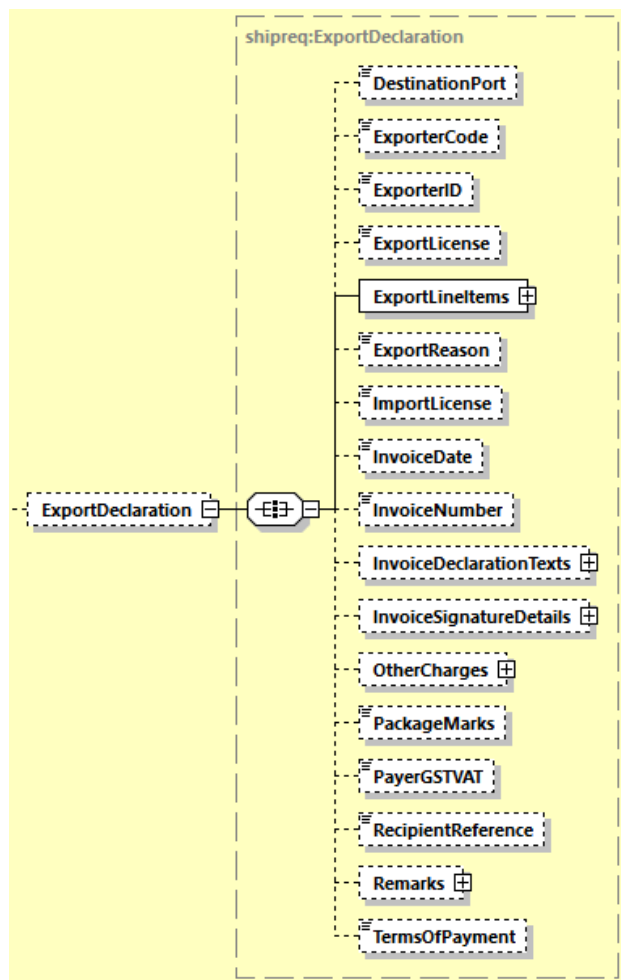
5.2.35   ShipmentRequest Input: OnDemandDeliveryOptions (0:1)

The OnDemandDeliveryOptions section conveys data elements for On Demand Delivery (ODD) service.

The Delivery option is to define which on demand delivery option you wish to choose optionally when your shipment is to be delivered. The options are:

- TV (Deliver to a DHL Express Servicepoint)

- SW (Leave with neighbour)

- SX (Signature release)

The Location is mandatory if the above delivery option is SX and should advise DHL where exactly to leave the shipment (ie.front door etc)

The instructions is optional – additional information that is useful for the DHL Express courier

The GateCode is optional – is the entry code to gain access to an apartment complex or gate

The LWNTypeCode is mandatory if the above delivery option is SW. The possible values are

- N – Leave with neighbour

- C – Leave with concierge

The NeighbourName Is mandatory if the delivery option is SW and the LWNTypeCode is N (Neighbour) – this is where the name of the neighbour is required

The NeighbourHouseNumber Is mandatory if the delivery option is SW and the LWNTypeCode is N (Neighbour) – this is the house number of the neighbour

The AuthorizerName is mandatory if delivery option is SX – this is the person that this authorised to sign and receive the DHL Express shipment.

The SelectedServicePointID is mandatory if delivery option is TV – this is the unique DHL Express Service point location ID of where the parcel should be delieverd (please contact your local DHL Express Account Manager to obtain the list of the servicepoint IDs)
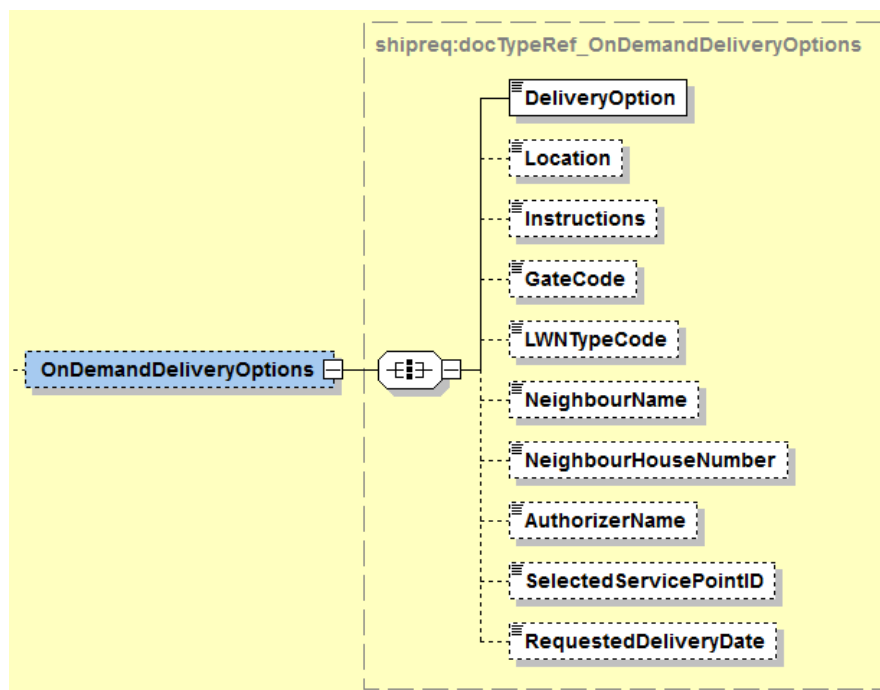
5.2.36   ShipmentRequest Input: OnDemandDeliveryURLRequest

The OnDemandDeliveryURLRequest is an optional field to request the On Demand Delivery (ODD) link. It will provide an URL link for the specified Waybill Number, Shipper Account Number. The default value is N, no ODD link URL is provided in the response message.
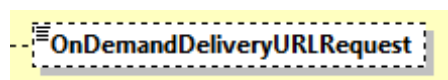
5.2.37   ShipmentRequest Input: Ship

The Ship section outlines the shipper, receiver, buyer and optional pickup address for the specific shipment request. In the context to rate requests, the street address elements are not critical, since capability and rate are determined based on city, postal code, and country code. Please note that the Shipper, Pickup, BookingRequestor, Buyer and Recipient structures are identical.

If included in the message, this optional Pickup structure will be used as precedence over the Shipper address when the Pickup service is invoked. The Pickup address will not be used in manifesting.
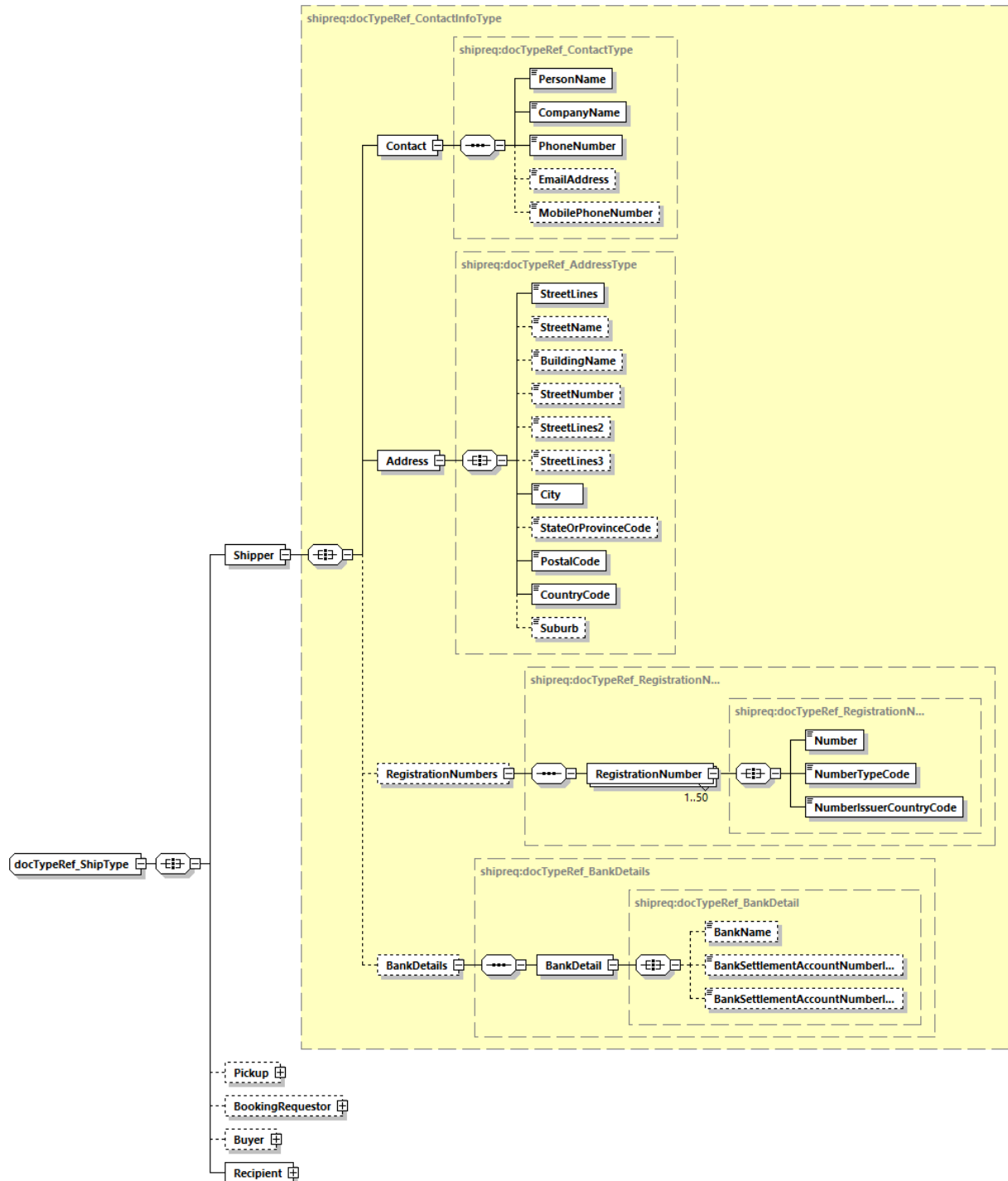
5.2.38   RegistrationNumbers

Is used to provide Registration Number(s) of the Shipper and/ or Recipient issued by any country regulatory office. This is applicable for all Shipper, Pickup, BookingRequestor, Buyer and Recipient segments. The types of registration numbers allowed are as below;

- VAT, Value-Added tax

- EIN, Employer Identifiaction Number

- GST, Goods and Service Tax

- SSN, Social Secutiry Number

- EOR, European Union Registration and Identification

- DUN, Data Universal Numberin System

- FED, Federal Tax ID

- STA, State Tax ID

- CNP, Brazil CNPJ/CPF Federal Tax

- IE, Brazil type IE/RG Federal Tax

- INN, Russia bank details section - INN

- KPP, Russia bank details section - KPP

- OGR, Russia bank details section - OGRN

- OKP, Russia bank details section – OKPO

- MRN, Germany Movement Reference Number
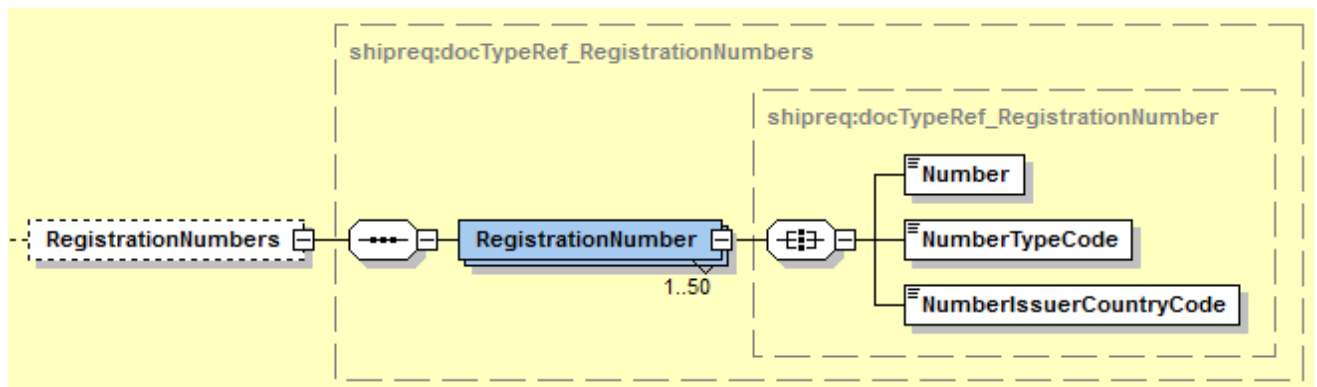
5.2.39   ShipmentRequest Input: Packages

The Packages section details the contents of individual pieces (or discrete shipping containers) within the shipment. The minimum number of packages or pieces in a shipment is one and the upper limit is 999.

The InsuredValue field is an optional field in the Packages section which will be deprecated from the interface, as the SpecialServices section should be used to convey Insured Value.

The Weight and Dimensions fields represent the weight and dims of the individual pieces.

The CustomerReferences field is used as the Piece Reference and the first instance is also used as the Shipment Reference. Currently only the Shipment Reference appears on the label.

The ParentPieceIdentificationNumber is the Parent (Mother) Piece ID number. This field will be used to indicate the Mother Shipment's Piece ID for linkage purposes when the customer is using the conventional BreakBulk Express (BBX) service.

The BespokeLabelData is to print additional customer information in the Transport Label. This segment is required when the LabelTemplate value is ECOM26_84CI_003.
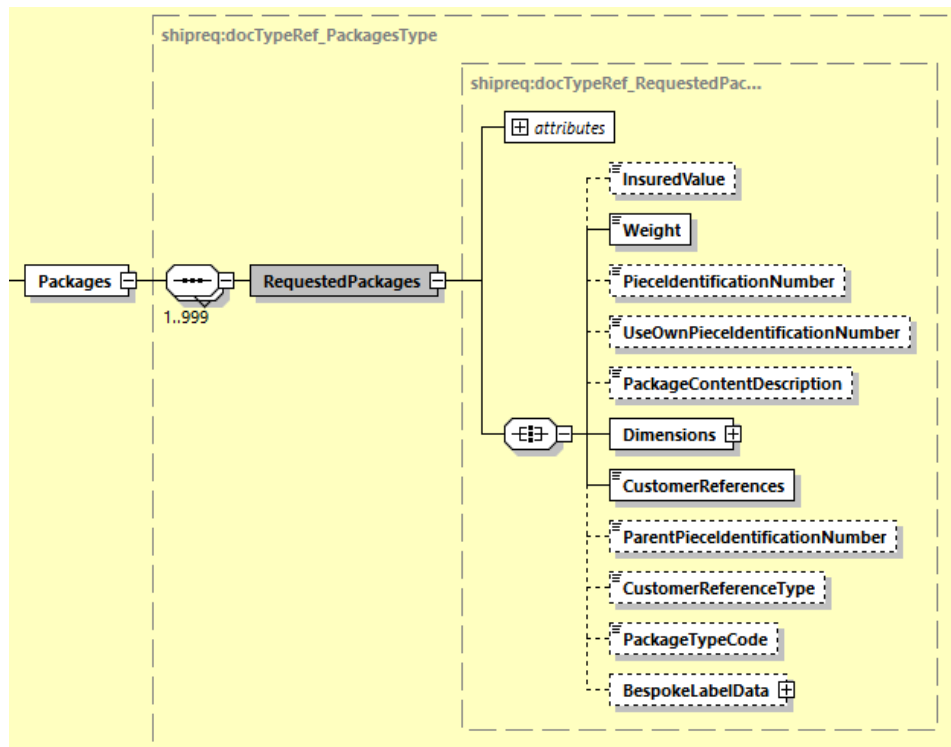
5.2.40 ShipmentRequest Input: DangerousGoods

The DangerousGoods section indicates if there is dangerous good content within the shipment. The ContentID node contains the Content ID for the Dangerous Good classification (please contact your DHL Express representative for the list of the codes). If the shipment is Dry Ice UN1845 (Content ID – 901) then the additional node needs to be populated - "DryIceTotalNetWeight."

If is the shipment is "Excepted Quantities" then the additional node needs to be populated – "UNCode"
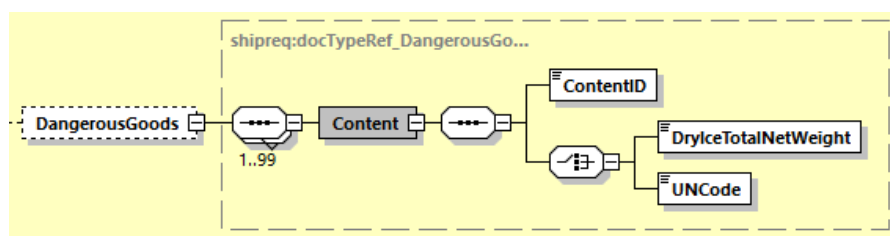
5.2.41 ShipmentRequest Input: GetRateEstimates

The GetRateEstimates node is a flag that will provide customers the option to receive total shipping charges and special services charges in the response. The default value for this flag is N. If the value is set to Y, the shipping charge will be returned in the response message if applicable.Please note that this may increase the response times of the service.
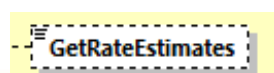
5.2.42   ShipmentRequest Input: ShipmentNotifications

This ShipmentNotifications section is to support sending email notification once the shipment is created. The email will contain the basic information on the shipper, recipient, waybill number, and shipment information. The minimum number of shipment email notification to be sent is one and the upper limit is 5.
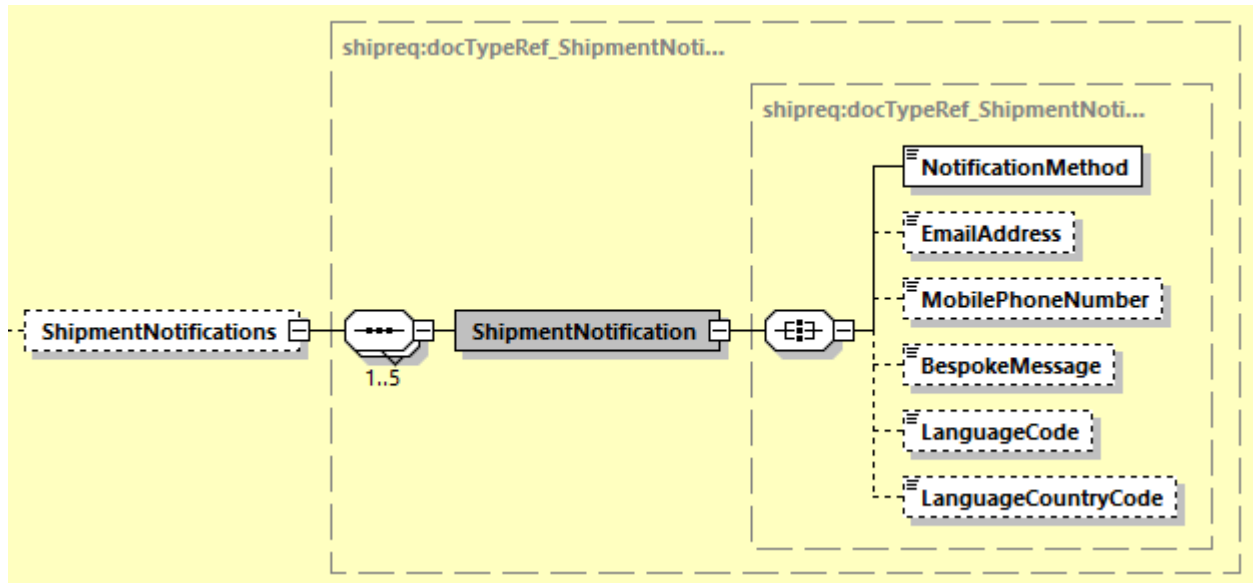
- NotificationMethod: Mandatory field for method of notification to be sent. The valid value is 'EMAIL'

- EmailAddress: Email address to receive the notification mail.

- BespokeMessage: Any additional message from the shipper to be added to the body of the mail

- LanguageCode: Email content language. Please refer to the input field table for list of supported language in this field.

- LanguageCountryCode: Email notification language country code.

5.3 SHIPMENT REQUEST – INPUT FIELD LIST

Shipment Request fields	M/O	Values or Constraints	Comments
ShipmentRequest			
ShipmentRequest/ClientDetail			
sso	O		This field is for internal use only
plant	O		This field is for internal use only
ShipmentRequest/Request			
ShipmentRequest/Request/ServiceHeader			
MessageTime	O	TIMESTAMP	Format: YYYY-MM-DD(T)hh:mm:ss-GMTTIMEOFFSET e.g. 2010-11-24T00:17:20+01:00
MessageReference	O	AN 36	Message reference, between 28-36 characters in length.
WebstorePlatform	O	AN 20	Reserved for Third Party Vendors identification
WebstorePlatformVersion	O	AN 15	Reserved for Third Party Vendors identification
ShippingSystemPlatform	O	AN 20	Reserved for Third Party Vendors identification
ShippingSystemPlatformVersion	O	AN 15	Reserved for Third Party Vendors identification
PlugIn	O	AN 20	Reserved for Third Party Vendors identification
PlugInVersion	O	AN 15	Reserved for Third Party Vendors identification
ShipmentRequest/RequestedShipment			
ShipTimestamp	M	YYYY-MM-DDT24HH:MM:SS GMT+k	This timestamp identifies the pickup date and time of the rated shipment. It needs to be provided in the following format with GMT offset YYYY-MM-DDTHH:MM:SSGMT+k 2010-02-26T17:00:00GMT+01:00 If the date is on a public holiday, Sunday or any other day where there is no pickup, the rate request will return this in the error code as it is a non valid request.

PickupLocationCloseTime	O	HH:mm	This node identifies the closing time of your pickup location in local time. It needs to be provided in the following 24-hours time format: HH:mm Sample: 17:00
SpecialPickupInstruction	O	AN 75	This node details special pickup instructions you may wish to send to the DHL Courier
PickupLocation	O	AN 40	This node provides information on where the package should be picked up by DHL courier.
PaymentInfo	M	AN 3	Possible values: - CFR – Cost And Freight - CIF – Cost, Insurance and Freight - CIP – Carriage And Insurance Paid To - CPT – Carriage Paid To - DAF – Delivered At Frontier - DDP – Delivery Duty Paid - DDU – Delivery Duty Unpaid - DAP – Delivered At Place - DEQ – Delivered Ex Quay (Duty Paid) - DES – Delivered Ex Ship - EXW – Ex Works - FAS – Free Alongside Ship - FCA – Free Carrier - FOB – Free On Board
OnDemandDeliveryURLRequest	O	A 1	Request for ODD link URL for the specified Waybill Number, Shipper Account Number Possible values; - Y - N (default)
GetRateEstimates	O	A 1	This field is used to return the TotalNet in the response message. The default value for this field is N. Please note that this may increase response times. Possible values; - Y - N (default)
ShipmentRequest/RequestedShipment/ShipmentInfo			
DropOffType	M	Enumerated	Possible values: -REGULAR_PICKUP, the pickup location is already served by a regular courier and an additional pickup does not need to be

			considered for this service
			- REQUEST_COURIER, The rating response returns products for which the pickup capability is given, based on ShipmentTimeStamp.
ServiceType	M	AN 3	The shipping product requested for this shipment, corresponding to the DHL Global Product codes.
LocalServiceType	O	AN 3	DHL "local / country specific" Product Code used to ship the items. Important when shipping domestic products – please consult your DHL Express IT consultant if needed.
Account	M/O	AN 12	The customer account to be used as payer in the request. If the <Account> tag is used then there is no need to populate the Billing section further down below in this table as the <Account> tag will override any other accounts entered. However if you do wish to charge your shipment to a third party or receiver then <u>please leave the ACCOUNT section out</u> and populate the Billing section below
Currency	M	AN 3	The currency of the monetary values presented in the request.
UnitOfMeasurement	M	AN 2	The unit of measurement for the dimensions of the package. Possible values: - SI, international metric system (KG, CM) - SU, the US system of measurement (LB, IN)
ShipmentIdentificationNumber	O	AN 35	The shipment identification number does not need to be transmitted in the request as the operation will assign a new number and return it in the response. Only used when UseOwnShipmentdentificationNumber set to Y and this feature enabled within customer profile.
UseOwnShipmentIdentificationNumber	O	A 1	Y or 1 -= allows you to define your own AWB in the tag below N or 0 = Auto-allocates the AWB from DHL Express You can request your own AWB range from your DHL Express IT consultant and store these locally in your integration however this is not needed as if you leave this tag then DHL will automatically assign the AWB centrally. In addition this special function needs to be enabled for your username by your DHL Express

			IT Consultant.
LabelType	O	AN 3	Possible values: - PDF - ZPL - EPL - LP2
LabelTemplate	O	AN 20	Any valid DHL Express label template (please contact your DHL Express IT representative for a list of labels) – If this node is left blank then the default DHL ecommerce label template will be used. Possible values; - ECOM26_84_A4_001 - ECOM26_84_001 - ECOM_TC_A4 - ECOM26_A6_002 - ECOM26_84CI_001 - ECOM_A4_RU_002 - ECOM26_A6_002 - ECOM26_84CI_002 - ECOM26_84CI_003
ArchiveLabelTemplate	O	AN 20	Any valid DHL Express archive label template (please contact your DHL Express IT representative for a list of labels) – If this node is left blank then the default DHL ecommerce label template will be used. Possible values; - ARCH_8X4_A4_002 - ARCH_8X4 - ARCH_6X4 - ARCH_A4_RU_002
CustomsInvoiceTemplate	O	AN 25	Custom invoice template name. Possible value: - COMMERCIAL_INVOICE_03
ShipmentReceiptTemplate	O	AN 20	Shipment receipt template name. Possible value: - SHIP_RECPT_A4_RU_002
PaperlessTradeEnabled	O	N1 or A5	Possible values (case sensitive): - true - false - 0 - 1
ParentShipmentIdentification Number	O	AN 25	Parent (Mother) Shipment ID number used for Break Bulk Shipments (BBX)
RequestTransliterateRespons	O	A 1	Request transliteration text in response.

e			Currently only Russian is supported.
			Possible values;
			- Y, the response message will return Transliterated Value for the supported fields
			- N, the response message will return as per request message field values (Default)
RequestAdditionalInformation	O	Enumerated	Possible values;
			-Y, the response message will consists of additional field
			- N, the response message will return as per request message field values (Default)

ShipmentRequest/RequestedShipment/ShipmentInfo/Billing			
ShipperAccountNumber	M/O	AN 12	The DHL account number used for the shipment. Used as the shipper account number. Please note if you use this billing section then the above <Account> tag is not needed. <ShipperAccountNumber> is mandatory then.
ShippingPaymentType	M/O	AN 1	Possible values: - S (use ShipperAccountNumber as payer) - R (use BillingAccountNumber as bill-to receiver account number) T (use BillingAccountNumber as bill-to third party account number) Please note if you use value R or T in this tag then the next tag <BillingAccountNumber> is also mandatory
BillingAccountNumber	O	AN 12	The DHL account number used for the shipment, if ShippingPaymentType is equal to R or T.
DutyAndTaxPayerAccountNumber	O	AN 12	The DHL account number used for duties and tax payments.
NeverOverrideBillingService	O	A 1	The NeverOverrideBillingServices is an optional flag to indicate whether to override the DHL Billing Service should it be incorrectly provided. This is automatically derived based on the Shipper/Receiver Address, Shipper/Payer Account number and type of shipment. N (No) - overwrite with derived DHL Billing Service via Account Validation - Create Shipment service - default behavior Y (Yes) - use customers provided billing special service code to derive the DHL Billing service **(not recommended)**

ShipmentRequest/RequestedShipment/ShipmentInfo/Billing/ShipmentPrepaidTotalCharge			

CurrencyCode	M	AN 3	Payment currency code
Amount	M	12.2D	Amount of payment
PaymentMethod	M	AN	Payment method. Valid enumeration; - CASH

ShipmentRequest/RequestedShipment/ShipmentInfo/DocumentImages			
ShipmentRequest/RequestedShipment/ShipmentInfo/DocumentImages/DocumentImage (1:1000)			

DocumentImageType	O	Enumerated	The type of document for the image provided
			
			Possible values;
			
			   - INV, Invoice
			   - PNV, Proforma
			   - COO, Certificate of Origin
			   - NAF, Nafta Certificate of Origin
			   - CIN, Commercial Invoice
			   - DCL, Custom Declaration
			   - AWB, Air Waybill and Waybill Document

DocumentImage	M	Base64 Binary	The image of the document

DocumentImageFormat	O	AN 5	Possible values;
			
			   - PDF
			   - PNG
			   - TIFF
			   - GIF
			   - JPEG

ShipmentRequest/RequestedShipment/ShipmentInfo/LabelOptions			

PrinterDPI	O	Enumerated	Resolution for X-axis and Y-axis (in DPI) for transport label and waybill document output
			
			Possible values:
			
			   - 200
			   - 300

HideAccountInWaybillDocument	O	AN 1	Hide account number in waybill document. Possible values; - Y, account number will NOT be printed on the label for both FRT and DTP account field. - N, account number will be printed on the Waybill Document (Default)
RequestWaybillDocument	O	AN 1	Possible values; - Y, Waybill document will be returned in shipment response. - N, Waybill document will not be returned in

			shipment response. (Default)
NumberOfWaybillDocument Copies	O		Number of copies of Waybill document printout to be generated and returned in shipment response. Min Value : 1 Max Value : 2
RequestDHLCustomsInvoice	O	AN 1	Possible values; - Y (Yes – using DHL Invoice) - N (No – using Own Invoice) – (Default)
DHLCustomsInvoiceLanguageCode	O	AN 3	To retrieve the language code based on customer input value. The default value for this field is eng (English). The supported language code are as below; eng=English bul=Bugalrian cze=Czech dan=Danish ger=German gre=Greek est=Estonian fin=Finnish fre=French hun=Hungaria ice=Icelandic ita=Italian lit=Lithuanian lav=Latvian dut=Dutch nno=Norwegian pol=Polish por=Portuguse rum=Romanian rus=Russian slv=Slovenian

			slo=Slovak spa=Spanish
DHLCustomsInvoiceType	O	AN 20	The type for commercial invoice Possible values; - COMMERCIAL_INVOICE (default) - PROFORMA_INVOICE
RequestShipmentReceipt	O	AN 1	Possible values; - Y, request to generate the shipment receipt - N, no shipment receipt generation is required (default)
ShipmentRequest/RequestedShipment/ShipmentInfo/LabelOptions/CustomerLogo			
LogoImage	M	Base64 Binary	The customer logo image in base64 encoding Supported image file format; - RGB - B&W, Black and White
LogoImageFormat	M	Enumerated	Possible values; - GIF - JPEG - JPG - PNG
ShipmentRequest/RequestedShipment/ShipmentInfo/LabelOptions/CustomerBarcode **(CustomerBarcode is only applicable when LabelTemplate='ECOM26_84CI_002')**			
BarcodeType	O	AN	The customer barcode type. The first barcode code type valid value is 93, 39 or 128.
BarcodeContent	O	AN	Customer barcode code
TextBelowBarcode	O	AN	Customer barcode text
ShipmentRequest/RequestedShipment/ShipmentInfo/LabelOptions/DetachOptions			
AllInOnePDF	O	AN 1	This field provide option to generate a single PDF or thermal output image file consists of Transport Label, Waybill Document, Shipment Receipt and Commercial Invoice. The default value is N, where a single PDF or thermal output image file consists of Transport Label + Waybill Document and single PDF or thermal output image file for Shipment Receipt and Customs Invoice will be returned.

SplitShipmentReceiptAndCustomsInvoice	O	AN 1	This field provide option to generate a single file consist of a single PDF or thermal output image file consists of Transport Label + Waybill Document, a single file consist of Commercial Invoice and a single file consist of Shipment Receipt. The default value is N, a single PDF or thermal output image file consists of Transport Label + Waybill Document and single PDF or thermal output image file for Shipment Receipt and Customs Invoice will be returned.
SplitTransportLabelAndWaybillDocument	O	AN 1	This field provide option to generate a single PDF or thermal output file for the Transport Label, a single PDF or thermal output file for the Waybill document and a single file consist of Commercial Invoice and Shipment Receipt. The default value is N, a single PDF or thermal output image file consists of Transport Label + Waybill Document and single PDF or thermal output image file for Shipment Receipt and Customs Invoice will be returned.
SplitLabelsByPieces	O	AN 1	This field provide option to generate a single PDF or thermal output image file for each pieces for Transport Label and single PDF or thermal output image file for Waybill Document will be returned in create shipment response. The default value is N, a single PDF or thermal output image file consists of Transport Label + Waybill Document and single PDF or thermal output image file for Shipment Receipt and Customs Invoice will be returned.
ShipmentRequest/RequestedShipment/ShipmentInfo/ShipmentReferences			
ShipmentRequest/RequestedShipment/ShipmentInfo/ShipmentReferences/ShipmentReference (1:999)			
ShipmentReference	M	AN 35	Shipment reference number
ShipmentReferenceType	O	Enumerated	Shipment Reference Type code Possible values; - AAO, shipment reference number of receiver - CU, reference number of consignor - FF, reference number of freight forwarder - FN, freight bill number for <ex works invoice number> - IBC, inbound center reference number

			- LLR, load list reference for <10-digit Shipment ID>
			- OBC, outbound center reference number for <SHIPMEN IDENTIFIER (COUNTRY OF ORIGIN)>
			- PRN, pickup request number for <BOOKING REFERENCE NUMBER>
			- ACP, local payer account number
			- ACS, local shipper account number
			- ACR, local receiver account number
			- CDN, customs declaration number
			- STD, eurolog 15-digit shipment id
			- CO, buyers order number

ShipmentRequest/RequestedShipment/ShipmentInfo/SpecialServices			
ShipmentRequest/RequestedShipment/ShipmentInfo/SpecialServices/Service (1:99)			
ServiceType	M	AN 3	Enter the DHL Express Service code you wish to add – i.e. II for insurance
ServiceValue	O	12.2 D	Monetary value of service (currently only applicable for Insurance)
CurrencyCode	O	AN 3	Currency code
PaymentCode	O	AN 3	Payment Code
StartDate	O	Date	For future use.
EndDate	O	Date	For future use.
TextInstruction	O	AN50	For future use.
ShipmentRequest/RequestedShipment/InternationalDetail			
Content	M	Enumerated	Possible values - DOCUMENTS - NON_DOCUMENTS
ShipmentRequest/RequestedShipment/InternationalDetail/Commodities			
Description	M	AN 1-35	The description of the content of the shipment.
CustomsValue	O	18.3 D	The value which needs to be declared for customs.
USFilingTypeValue	O	AN 20	The US filing Type Value for shipments from the US
ShipmentRequest/RequestedShipment/InternationalDetail/ExportDeclaration			

DestinationPort	O	AN	Destination port details
ExporterCode	O	AN	Exporter Code
ExporterID	O	AN	Exporter ID
ExportLicense	O	AN 16	Export license info
ExportReason	O	AN 30	Export Reason
ImportLicense	O	AN 16	Consignee import license
InvoiceDate	O/M	Date	Invoice date. This field is mandatory when RequestCommercialInvoice = Y.
InvoiceNumber	O/M	AN	Invoice number. This field is mandatory when RequestCommercialInvoice = Y.
PackageMarks	O	AN	Package marks
PayerGSTVAT	O	AN	Payer GST VAT details
RecipientReference	O	AN	Recipient reference
TermsOfPayment	O	AN	Terms of payment
ShipmentRequest/RequestedShipment/InternationalDetail/ExportDeclaration/Remarks			
ShipmentRequest/RequestedShipment/InternationalDetail/ExportDeclaration/Remarks/Remark (1:3)			
RemarkDescription	M	AN	Custom Invoice's Remarks Description maximum of 3
ShipmentRequest/RequestedShipment/InternationalDetail/ExportDeclaration/OtherCharges			
ShipmentRequest/RequestedShipment/InternationalDetail/ExportDeclaration/OtherCharges/OtherCharge (1:3)			
Caption	M	AN	Custom Invoice's Other Charges maximum of 3 fields: Caption can be passed to print in this field
ChargeValue	M	15.3 D	Custom Invoice's Other Charges maximum of 3 fields: charge value can be passed to print in this field
ShipmentRequest/RequestedShipment/InternationalDetail/ExportDeclaration/InvoiceSignatureDetails			
SignatureName	O	AN 35	Name of signatory
SignatureTitle	O	AN 35	Title of signatory
SignatureImage	O	Base64	Signature image in base64 format

		Binary	Max of size is 1 MB
			Valid format of image are: PNG, GIF, JPEG, JPG.
ShipmentRequest/RequestedShipment/InternationalDetail/ExportDeclaration/InvoiceDeclarationTexts			
ShipmentRequest/RequestedShipment/InternationalDetail/ExportDeclaration/InvoiceDeclarationTexts/InvoiceDeclarationText (1:3)			
DeclarationText	M	AN 300	Additional Declaration text maximum of 3
ShipmentRequest/RequestedShipment/InternationalDetail/ExportDeclaration/ExportLineItems			
ShipmentRequest/RequestedShipment/InternationalDetail/ExportDeclaration/ExportLineItems/ExportLineItem (1:999)			
CommodityCode	O	AN 20	Commodity code for the shipment at item line level
ECCN	O	AN 30	ECCN (Export Control Classification Number) info This is required for EEI filing US country usage.
ExportReasonType	O	Enumerated	Possible values; - 'PERMANENT' - 'TEMPORARY' - 'RETURN'
ItemNumber	M	Digit	Serial number for the items
Quantity	M	INT 1 - 99	Number of pieces of a particular line item
QuantityUnitOfMeasurement	M	Enumerated	The quantity unit of measurement BOX Boxes 2GM Centigram 2M Centimeters 2M3 Cubic Centimeters 3M3 Cubic Feet M3 Cubic Meters DPR Dozen Pairs DOZ Dozen 2NO Each PCS Pieces

	O		GM Grams
			GRS Gross
			KG Kilograms
			L Liters
			M Meters
			3GM Milligrams
			3L Milliliters
			X No Unit Required
			NO Number
			2KG Ounces
			PRS Pairs
			2L Gallons
			3KG Pounds
			CM2 Square Centimeters
			2M2 Square Feet
			3M2 Square Inches
			M2 Square Meters
			4M2 Square Yards
			3M Yards
ItemDescription	M	AN 60	The description of the line item
UnitPrice	M	D 18.3	Monetary value of each line item
NetWeight	M	D 12.3	Net weight of the line item
GrossWeight	M	D 12.3	Gross weight of the line item
ManufacturingCountryCode	O	AN 2	Manufacturing ISO country code
ShipmentRequest/RequestedShipment/OnDemandDeliveryOptions (Please note if you use this optional segment then the Buyer segment is also required)			
DeliveryOption	M	"TV","SW"," SX"	The Delivery option is to define which on demand delivery option you wish to choose optionally when your shipment is to be delivered. The options are:
Location	O	AN15	Mandatory if the above delivery option is SX and should advise DHL where exactly to leave the

			shipment (ie.front door etc)
Instructions	O	AN110	Additional information that is useful for the DHL Express courier
GateCode	O	AN10	Entry code to gain access to an apartment complex or gate
LWNTypeCode	O	"N","C"	Mandatory if the above delivery option is SW. The possible values are N – Leave with neighbour C – Leave with concierge
NeighbourName	O	AN20	Mandatory if the delivery option is SW and the LWNTypeCode is N (Neighbour) – this is where the name of the neighbour is required
NeighbourHouseNumber	O	AN20	Mandatory if the delivery option is SW and the LWNTypeCode is N (Neighbour) – this is the house number of the neighbour
AuthorizerName	O	AN20	Mandatory if delivery option is SX or SW– this is the person that this authorised to sign and receive the DHL Express shipment
SelectedServicePointID	O	AN6	Mandatory if delivery option is TV – this is the unique DHL Express Service point location ID of where the parcel should be delieverd (please contact your local DHL Express Account Manager to obtain the list of the servicepoint IDs)
RequestedDeliveryDate	O	AN29	Reserved for future use
ShipmentRequest/RequestedShipment/Ship			
ShipmentRequest/RequestedShipment/Ship/Shipper			
ShipmentRequest/RequestedShipment/Ship/Shipper/Contact			
PersonName	M	AN 45	A contact name of a person who will ship the shipment.
CompanyName	M	AN 60	The company name the person is working in.
PhoneNumber	M	AN 25	The contact person phone number. In case of questions, this person can be called by the courier.
EmailAddress	O	AN 50	The email address of the contact person.
MobilePhoneNumber	O	AN 25	The mobile phone number of the contact person.
ShipmentRequest/RequestedShipment/Ship/Shipper/Address			
StreetLines	M	AN 45	The street line should contain street name and number of the shipper.

StreetName	O	AN 35	Shipper street name should be sent as separate attribute if feasible.
BuildingName		AN 35	Shipper building name
StreetNumber	O	AN 15	Shipper street number should be sent as separate attribute, if feasible.
StreetLines2	O	AN 45	Shipper additional address information
StreetLines3	O	AN 45	Shipper additional address information
City	M	AN 35	Shipper city name
StateOrProvinceCode	O	AN 2	2 Letter state code for the USA only
PostalCode	M	AN 12	Shipper postal code
CountryCode	M	AN 2	ISO 2 character code of the Shipper country.
Suburb	O	AN 35	Shipper suburb name
ShipmentRequest/RequestedShipment/Ship/Shipper/RegistrationNumbers			
ShipmentRequest/RequestedShipment/Ship/Shipper/RegistrationNumbers/RegistrationNumber (1:50)			
Number	M	AN 35	Registration Number of the Shipper.
NumberTypeCode	M	AN 3	Type of the registration number. Possible values; - VAT, Value-Added tax - EIN, Employer Identifiaction Number - GST, Goods and Service Tax - SSN, Social Secutiry Number - EOR, European Union Registration and Identification - DUN, Data Universal Numberin System - FED, Federal Tax ID - STA, State Tax ID - CNP, Brazil CNPJ/CPF Federal Tax - IE, Brazil type IE/RG Federal Tax - INN, Russia bank details section - INN - KPP, Russia bank details section - KPP - OGR, Russia bank details section - OGRN - OKP, Russia bank details section – OKPO - MRN, Germany Movement Reference Number

NumberIssuerCountryCode	M	AN 2	ISO 2 character code of the country where the Registration Number has been issued by.
ShipmentRequest/RequestedShipment/Ship/Shipper/BankDetails			
ShipmentRequest/RequestedShipment/Ship/Shipper/BankDetails/BankDetail			
BankName	O	AN	To be mapped in Customs Invoice - Russia Bank Name field
BankSettlementAccountNumberInLocalCurrency	O	AN	To be mapped in Customs Invoice - Russia Bank Settlement Account Number in RUR field
BankSettlementAccountNumberInForeignCurrency	O	AN	To be mapped in Customs Invoice - Russia Bank Settlement Account Number in USD/EUR
ShipmentRequest/RequestedShipment/Ship/Pickup			
ShipmentRequest/RequestedShipment/Ship/Pickup/Contact			
PersonName	M	AN 45	A contact name of a person who will give the shipment.to the courier
CompanyName	M	AN 60	The company name the person is working in.
PhoneNumber	M	AN 25	The contact person phone number. In case of questions, this person can be called by the courier.
EmailAddress	O	AN 50	The email address of the contact person.
MobilePhoneNumber	O	AN 25	The mobile phone number of the contact person.
ShipmentRequest/RequestedShipment/Ship/Pickup/Address			
StreetLines	M	AN 45	The street line should contain street name and number of the pickup place.
StreetName	O	AN 35	Pickup street name should be sent as separate attribute if feasible.
BuildingName	O	AN 35	Pickup building name
StreetNumber	O	AN 15	Pickup street number should be sent as separate attribute, if feasible.
StreetLines2	O	AN 45	Pickup additional address information
StreetLines3	O	AN 45	Pickup additional address information
City	M	AN 35	Pickup city name
StateOrProvinceCode	O	AN 2	2 Letter state code for the USA only
PostalCode	M	AN 12	Pickup postal code
CountryCode	M	AN 2	ISO 2 character codes of the Pickup country.
Suburb	O	AN 35	Suburb name for pickup

ShipmentRequest/RequestedShipment/Ship/Pickup/RegistrationNumbers			
ShipmentRequest/RequestedShipment/Ship/Pickup/RegistrationNumbers/RegistrationNumber (1:50)			
Number	M	AN 35	Registration Number of the Pickup.
NumberTypeCode	M	AN 3	Type of the registration number. Possible values; - VAT, Value-Added tax - EIN, Employer Identifiaction Number - GST, Goods and Service Tax - SSN, Social Secutiry Number - EOR, European Union Registration and Identification - DUN, Data Universal Numberin System - FED, Federal Tax ID - STA, State Tax ID - CNP, Brazil CNPJ/CPF Federal Tax - IE, Brazil type IE/RG Federal Tax - INN, Russia bank details section - INN - KPP, Russia bank details section - KPP - OGR, Russia bank details section - OGRN - OKP, Russia bank details section – OKPO - MRN, Germany Movement Reference Number
NumberIssuerCountryCode	M	AN 2	ISO 2 character code of the country where the Registration Number has been issued by.
ShipmentRequest/RequestedShipment/Ship/Pickup/BankDetails			
ShipmentRequest/RequestedShipment/Ship/Pickup/BankDetails/BankDetail			
BankName	O	AN	To be mapped in Customs Invoice - Russia Bank Name field
BankSettlementAccountNumberInLocalCurrency	O	AN	To be mapped in Customs Invoice - Russia Bank Settlement Account Number in RUR field
BankSettlementAccountNumberInForeignCurrency	O	AM	To be mapped in Customs Invoice - Russia Bank Settlement Account Number in USD/EUR
ShipmentRequest/RequestedShipment/Ship/BookingRequestor			
ShipmentRequest/RequestedShipment/Ship/BookingRequestor/Contact			
PersonName	M	AN 45	A contact name of a person who is requesting

			the pickup.
CompanyName	M	AN 60	The company name the person is working in.
PhoneNumber	M	AN 25	The contact person phone number. In case of questions, this person can be called by the courier.
EmailAddress	O	AN 50	The email address of the contact person.
MobilePhoneNumber	O	AN 25	The mobile phone number of the contact person.
ShipmentRequest/RequestedShipment/Ship/BookingRequestor/Address			
StreetLines	M	AN 45	The street line should contain street name and number of pickup requestor
StreetName	O	AN 35	Pickup street name should be sent as separate attribute if feasible.
BuildingName		AN 35	Building name for pickup requestor
StreetNumber	O	AN 15	Pickup street number should be sent as separate attribute, if feasible.
StreetLines2	O	AN 45	Pickup additional address information
StreetLines3	O	AN 45	Pickup additional address information
City	M	AN 35	Pickup city name
StateOrProvinceCode	O	AN 2	2 Letter state code for the USA only
PostalCode	M	AN 12	Pickup postal code
CountryCode	M	AN 2	ISO 2 character codes of the Pickup Requestor country.
Suburb	O	AN 35	Suburb name for pickup
ShipmentRequest/RequestedShipment/Ship/BookingRequestor/RegistrationNumbers			
ShipmentRequest/RequestedShipment/Ship/BookingRequestor/RegistrationNumbers/RegistrationNumber (1:50)			
Number	M	AN 35	Registration Number of the pickup requestor.
NumberTypeCode	M	AN 3	Type of the registration number. Possible values; - VAT, Value-Added tax - EIN, Employer Identifiaction Number - GST, Goods and Service Tax - SSN, Social Secutiry Number - EOR, European Union Registration and Identification

	M		- DUN, Data Universal Numberin System
			- FED, Federal Tax ID
			- STA, State Tax ID
			- CNP, Brazil CNPJ/CPF Federal Tax
			- IE, Brazil type IE/RG Federal Tax
			- INN, Russia bank details section - INN
			- KPP, Russia bank details section - KPP
			- OGR, Russia bank details section - OGRN
			- OKP, Russia bank details section – OKPO
			- MRN, Germany Movement Reference Number
NumberIssuerCountryCode	M	AN 2	ISO 2 character code of the country where the Registration Number has been issued by.
ShipmentRequest/RequestedShipment/Ship/BookingRequestor/BankDetails			
ShipmentRequest/RequestedShipment/Ship/BookingRequestor/BankDetails/BankDetail			
BankName	O	AN	To be mapped in Customs Invoice - Russia Bank Name field
BankSettlementAccountNumberInLocalCurrency	O	AN	To be mapped in Customs Invoice - Russia Bank Settlement Account Number in RUR field
BankSettlementAccountNumberInForeignCurrency	O	AN	To be mapped in Customs Invoice - Russia Bank Settlement Account Number in USD/EUR
ShipmentRequest/RequestedShipment/Ship/Buyer			
ShipmentRequest/RequestedShipment/Ship/Buyer/Contact			
PersonName	O	AN 45	A contact name of a person who acts as Buyer
CompanyName	O	AN 60	The company name the person is working in.
PhoneNumber	O	AN 25	The contact person phone number. In case of questions, this person can be called by the courier.
EmailAddress	O	AN 50	The email address of the contact person.
MobilePhoneNumber	O	AN 25	The mobile phone number of the contact person.
ShipmentRequest/RequestedShipment/Ship/Buyer/Address			
StreetLines	M	AN 45	The street line should contain street name and number of the shipper.

StreetName	O	AN 35	Buyer street name should be sent as separate attribute if feasible.
BuildingName	O	AN 35	The buyer building name
StreetNumber	O	AN 15	Buyer street number should be sent as separate attribute, if feasible.
StreetLines2	O	AN 45	Buyer additional address information
StreetLines3	O	AN 45	Buyer additional address information
CityDistrict	O	AN 35	Buyer city district
City	M	AN 35	Buyer city name
StateOrProvinceCode	O	AN 2	2 Letter state code for the USA only
PostalCode	M	AN 12	Pickup postal code
CountryName	O	AN 35	Buyer country name
CountryCode	M	AN 2	ISO 2 character codes of the Buyer country.
Suburb	O	AN 35	Buyer suburb
ShipmentRequest/RequestedShipment/Ship/Buyer/RegistrationNumbers			
ShipmentRequest/RequestedShipment/Ship/Buyer/RegistrationNumbers/RegistrationNumber (1:50)			
Number	M	AN 35	Registration Number of the buyer.
NumberTypeCode	M	AN 3	Type of the registration number. Possible values; - VAT, Value-Added tax - EIN, Employer Identifiaction Number - GST, Goods and Service Tax - SSN, Social Secutiry Number - EOR, European Union Registration and Identification - DUN, Data Universal Numberin System - FED, Federal Tax ID - STA, State Tax ID - CNP, Brazil CNPJ/CPF Federal Tax - IE, Brazil type IE/RG Federal Tax - INN, Russia bank details section - INN - KPP, Russia bank details section - KPP - OGR, Russia bank details section - OGRN

			- OKP, Russia bank details section – OKPO - MRN, Germany Movement Reference Number
NumberIssuerCountryCode	M	AN 2	ISO 2 character code of the country where the Registration Number has been issued by.

ShipmentRequest/RequestedShipment/Ship/Buyer/BankDetails			

ShipmentRequest/RequestedShipment/Ship/Buyer/BankDetails/BankDetail			
BankName	O	AN	To be mapped in Customs Invoice - Russia Bank Name field
BankSettlementAccountNumberInLocalCurrency	O	AN	To be mapped in Customs Invoice - Russia Bank Settlement Account Number in RUR field
BankSettlementAccountNumberInForeignCurrency	O	AN	To be mapped in Customs Invoice - Russia Bank Settlement Account Number in USD/EUR

ShipmentRequest/RequestedShipment/Ship/Recipient			

ShipmentRequest/RequestedShipment/Ship/Recipient/Contact			
PersonName	M	AN 45	A contact name of a person who will ship the shipment.
CompanyName	M	AN 60	The company name the person is working in.
PhoneNumber	M	AN 25	The contact person phone number. In case of questions, this person can be called by the courier.
EmailAddress	O	AN 50	The email address of the contact person.
MobilePhoneNumber	O	AN 25	The mobile phone number of the contact person.

ShipmentRequest/RequestedShipment/Ship/Recipient/Address			
StreetLines	M	AN 45	The street line should contain street name and number of the shipper.
StreetName	O	AN 35	Recipient street name should be sent as separate attribute if feasible.
BuildingName		AN 35	The Recipient building number
StreetNumber	O	AN 15	Recipient street number should be sent as separate attribute, if feasible.
StreetLines2	O	AN 45	Recipient additional address information
StreetLines3	O	AN 45	Recipient additional address information
City	M	AN 35	Recipient city name
StateOrProvinceCode	O	AN 2	2 Letter state code for the USA only
PostalCode	M	AN 12	Recipient postal code

CountryCode	M	AN 2	ISO 2 character codes of the Receiver country.
Suburb	O	AN 35	Recipient suburb
ShipmentRequest/RequestedShipment/Ship/Recipient/RegistrationNumbers			
ShipmentRequest/RequestedShipment/Ship/Recipient/RegistrationNumbers/RegistrationNumber (1:50)			
Number	M	AN 35	Registration Number of the Recipient
NumberTypeCode	M	AN 3	Type of the registration number. Possible values; - VAT, Value-Added tax - EIN, Employer Identifiaction Number - GST, Goods and Service Tax - SSN, Social Secutiry Number - EOR, European Union Registration and Identification - DUN, Data Universal Numberin System - FED, Federal Tax ID - STA, State Tax ID - CNP, Brazil CNPJ/CPF Federal Tax - IE, Brazil type IE/RG Federal Tax - INN, Russia bank details section - INN - KPP, Russia bank details section - KPP - OGR, Russia bank details section - OGRN - OKP, Russia bank details section – OKPO - MRN, Germany Movement Reference Number
NumberIssuerCountryCode	M	AN 2	ISO 2 character code of the country where the Registration Number has been issued by.
ShipmentRequest/RequestedShipment/Ship/Recipient/BankDetails			
ShipmentRequest/RequestedShipment/Ship/Recipient/BankDetails/BankDetail			
BankName	O	AN	To be mapped in Customs Invoice - Russia Bank Name field
BankSettlementAccountNumberInLocalCurrency	O	AN	To be mapped in Customs Invoice - Russia Bank Settlement Account Number in RUR field
BankSettlementAccountNumberInForeignCurrency	O	AN	To be mapped in Customs Invoice - Russia Bank Settlement Account Number in USD/EUR
ShipmentRequest/RequestedShipment/Packages (1:1)			

ShipmentRequest/RequestedShipment/Packages/RequestedPackages (1:999)			
@number	M	Integer	Running number of the packages.
InsuredValue	O	15.3 D	Insurance values of the package.
Weight	M	12.3 D	The weight of the package.
UseOwnPieceIdentificationNumber	O	A 1	Y = allows you to define your own PieceID in the tag below
			N = Auto-allocates the PieceID from DHL Express (Default)
			You can request your own Piece ID range from your DHL Express IT consultant and store these locally in your integration however this is not needed as if you leave this tag then DHL will automatically assign the piece ID centrally.
			In addition this special function needs to be enabled for your username by your DHL Express IT Consultant.
PieceIdentificationNumber	O	AN35	You can request your own Piece ID range from your DHL Express IT consultant and store these locally in your integration however this is not needed as if you leave this tag then DHL will automatically assign the piece ID centrally.
			If you wish to use this function then the above tag UseOwnPieceIdentificationNumber needs to be set as Y
PackageContentDescription	O	AN70	This optional field allows you to provide the content description on a piece level instead of Shipment level.
ParentPieceIdentificationNumber	O	AN 35	Parent (Mother) Piece ID number
			This field will be used to indicate the Mother Shipment's Piece ID for linkage purposes.
CustomerReferences	M	AN 35	Customer Reference for the piece.
CustomerReferenceType	O	Enumerated	Shipment reference type
PackageTypeCode	O	AN 3	Package type code
			Valid enumeration;
			- 3BX
			- 2BC
			- 2BP
			- CE1
			- 7BX

			- 6BX
			- 4BX
			- 2BX
			- 1CE
			- WB1
			- WB3
			- XPD
			- 8BX
			- 5BX
			- WB6
			- TBL
			- TBS
			- WB2
ShipmentRequest/RequestedShipment/Packages/RequestedPackages/Dimensions			
Length	M	5.1 D >=0.5	Length of the piece listed.
Width	M	5.1 D >=0.5	Width of the piece listed.
Height	M	5.1 D >=0.5	Height of the piece listed.
ShipmentRequest/RequestedShipment/Packages/RequestedPackages/BespokeLabelData (BespokeLabelData is only applicable when LabelTemplate='ECOM26_84CI_003')			
LabelDescription	M	AN 80	The additional customer description
ShipmentRequest/RequestedShipment/Packages/RequestedPackages/BespokeLabelData/LabelBarcodes/LabelBarcode (1:2)			
BarcodeNumber	M	AN 1	Barcode number
BarcodeType	O	AN	The Symbology code for this barcode is 128
BarcodeContent	M	AN	Barcode content
TextBelowBarcode	M	AN	Text below barcode
ShipmentRequest/RequestedShipment/Packages/RequestedPackages/BespokeLabelData/LabelTextEntries/LabelTextEntry (1:6)			
LabelNumber	M	AN 1	Barcode sequence number

LabelCaption	M	AN 20	The caption to be printed in the tag value
LabelDescription	M	AN 40	The value to be printed for the respective tag in caption eg. "SALES", "50", "CN"," SG Regional"

ShipmentRequest/RequestedShipment/DangerousGoods			
ShipmentRequest/RequestedShipment/DangerousGoods/Content (1:99)			
ContentID	M	AN 3	Valid DHL Express Dangerous good content id (please contact your DHL Express IT representative for the relevant content ID code if you are shipping Dangerous Goods)
DryIceTotalNetWeight	C	AN 7	This is a numeric string with up to 7 char (i.e. 1000,00 or 1000.00)
UNCode	C	AN	Comma separated UN codes – eg. "UN-7843268473", "7843268473,123"

ShipmentRequest/RequestedShipment/ShipmentNotifications (0:1)			
ShipmentRequest/RequestedShipment/ShipmentNotifications/ShipmentNotification (0:5)			
NotificationMethod	M	AN 5	The notification method to be sent. Valid values; - EMAIL
EmailAddress	O	AN 250	Email address of the party to receive email notification.
BespokeMessage	O	AN 250	Additional message to be added to the body of the mail
LanguageCode	O	AN 3	LanguageCode used in the email content. The possible values are; - eng, (Default) - eng, British - zho, Chinese Traditional - chi, Chinese Simplified
LanguageCountryCode	O	AN 2	Language country code. The supported country code area as below; - CH - GB - US

5.4 SHIPMENTREQUEST - OUTPUT

The following diagram shows an overview of the shipment response structure. The critical information to derive from this response are the notification codes for the response, the shipment and piece identifiers returned, the encoded label image, and the optional pickup confirmation reference.
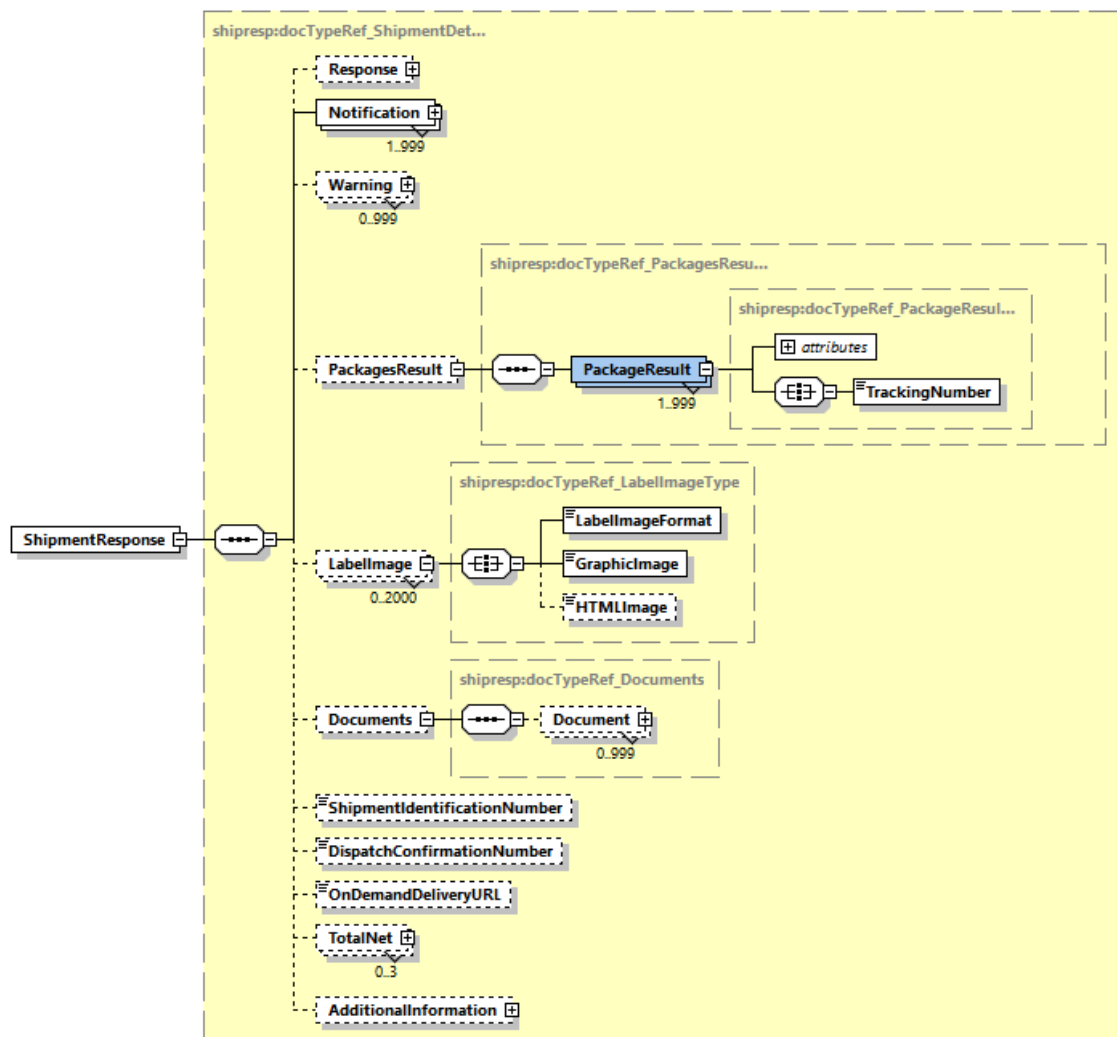
5.4.1 ShipmentResponse Schema Diagram

Each of the individual sections of ShipmentResponse is shown above in schema diagram, with context, and a detailed description of each field follows in the Output Field List.

5.4.2 ShipmentResponse Output: Notification

The Notification structure includes the result code and message, based on the results of the processing. Successful messages will include a zero error code and no corresponding message, while exceptions have both code and message.
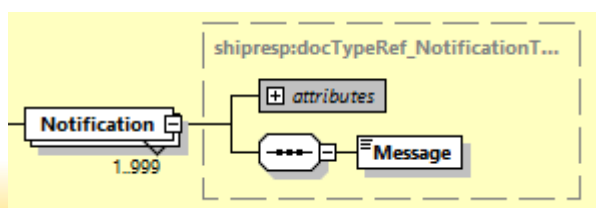
5.4.3   ShipmentResponse Output: PackagesResult

The PackagesResult provides the DHL piece ID associated to each RequestedPackage from the ShipmentRequest. In this case, the TrackingNumber is the Piece ID returned from the service. In order to tie the RequestedPackages from the ShipmentRequest with the PackageResult in the response, the @number attribute is used to referentially link the request and result packages.

The TrackingNumber field is the identifier for that specific piece of the shipment, of which there can be many.
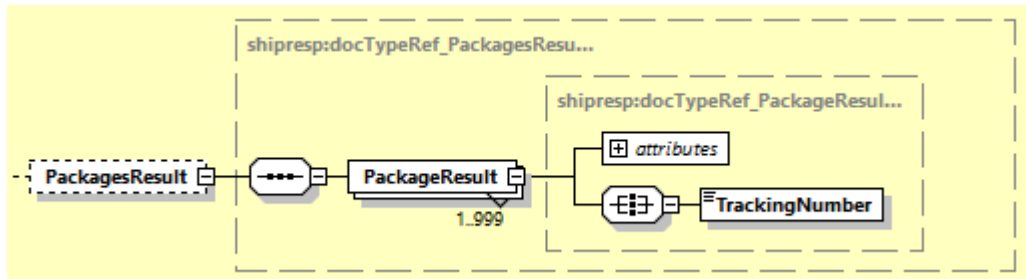
5.4.4   ShipmentResponse Output: LabelImage

The Label Image section of the response provides the label format in the LabelImageFormat field (i.e. PDF), as well as the base64 encoded label image in the GraphicImage field. The HTML Image is not used.
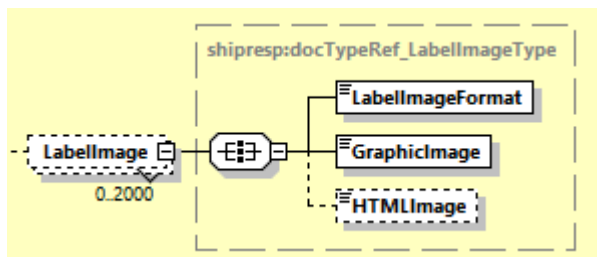
5.4.5   ShipmentResponse Output: Documents

The Documents section will return additional paperwork with its sub-element such as Custom Invoice and Shipmet Receipt document. This section can return multiple documents in the response message based on the customer input provided in the request message.
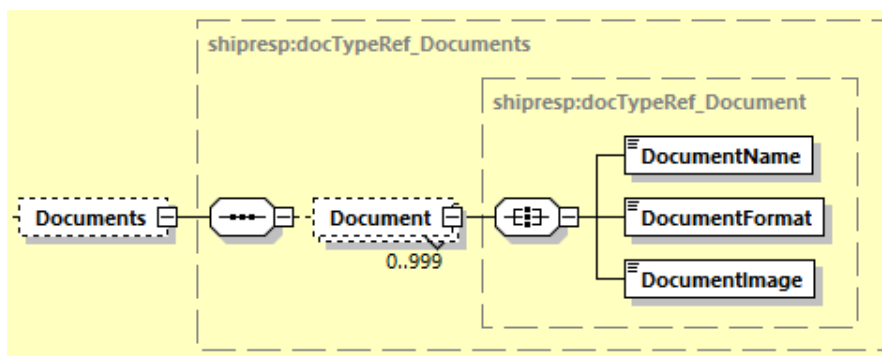
- DocumentName: The name of the document generated

- DocumentFormat: The format of the document returned. This value will be base on the customer input provided in the request message.

- DocumentImge: The base64 image of the document.

5.4.6   ShipmentResponse Output: ShipmentIdentificationNumber

This field corresponds to the airbill number associated to this shipment. This is the primary tracking identifier within DHL, and is the DHL primary reference field in calling application.

5.4.7   ShipmentResponse Output: DispatchConfirmationNumber

This field is the confirmation number generated by the creation of a pickup, if requested. This data will need to be persisted if the web service consumer intends to utilize the DeleteShipment functionality, as it is a required field.

5.4.8   ShipmentResponse Output: OnDemandDeliveryURL

This field will provide the On Demand Delivery (ODD) URL link.
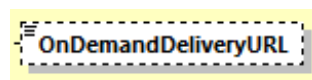
5.4.9   ShipmentResponse Output: TotalNet

The TotalNet section will show total shipping charges in three currencies, BILLC, PULCL, and BASEC. There are 3 children element under this section.

- Currency: The currency of the total charges

- Amount: The amount of the charges

- Charges: This element will breakdown the charges of the special services if customer provides it in the request message.
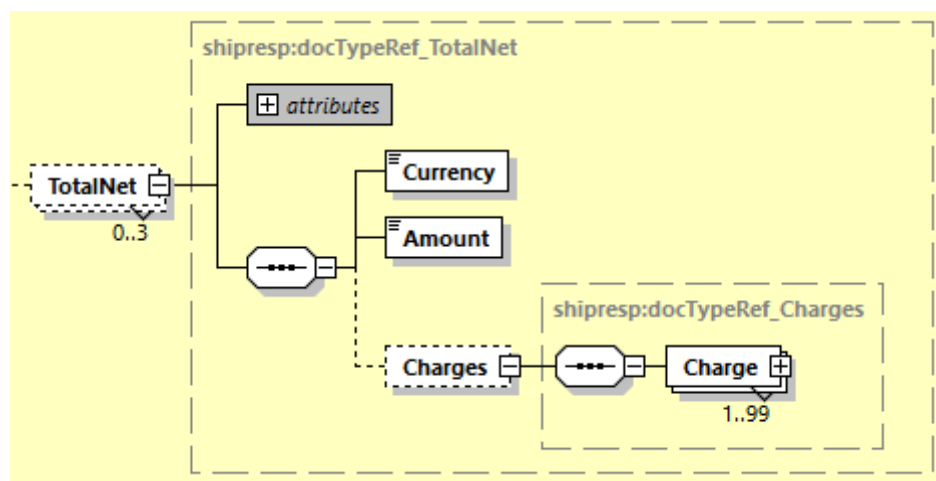
5.4.10   ShipmentResponse Output: AdditionalInformation

The AdditionalInformation section is to return additional information in the create shipment response message. MyDHL API will return this field when the request message have below input;

- RequestAdditionalInformation = Y, all additional response field will be returned in the response message

- RequestAdditionalInformation = Y AND RequestTransliterateResponse = Y, all additional response field will be returned and the ship field will be returned with transliterated characters.

5.5   SHIPMENT RESPONSE – OUTPUT FIELD LIST

Shipment Response xml fields (Source)	Mandatory/ Optional	Values or Constraints	Comments
ShipmentResponse			
ShipmentIdentificationNumber	O	AN 35	The shipment identification number also named airwaybill (AWB). This number can be used to track the progress of the shipment on the DHL webside.
DispatchConfirmationNumber	O	AN 15	The booking reference number. This number should be used when interacting with the DHL customer service regarding the pickup process.
OnDemandDeliveryURL	O	AN	The On Demand Delivery (ODD) URL link
ShipmentResponse/Response/ServiceHeader			
MessageTime	M	TIMESTAMP	Timestamp when DHL processed request
MessageReference	O	AN 36	Mapped directly from request if provided. Merchant can track messages by this reference
ServiceInvocationID	O		This element will get populate when existing or new customers has provided the <Request> element in the request message. This information will get populate in Response in all Error and Success scenarios.
ShipmentResponse/Notification (1:999)			
@code	M	N 6	Error > 0 or Success Code = 0
Message	M		Response Message, see Error codes for more details
ShipmentResponse/PackagesResult			
ShipmentResponse/PackagesResult/PackageResult (1:999)			
"@number"	O	Integer	Running number of the packages.

TrackingNumber	M	AN 35	This field contains a unique number for the individual package.
ShipmentResponse/LabelImage (0:2000)			
LabelImageFormat	M	AN 3	Mapped from Request Document. Currently always "PDF"
GraphicImage	M	Base64 Binary	This field contains the actual label as Base64 Binary. There will be one document containing all the labels for each package/piece on separate pages.
HTMLImage	O	Base64 Binary	Not used
ShipmentResponse/Documents			
ShipmentResponse/Documents/Document (0:999)			
DocumentName	M	AN	The name of the document
DocumentFormat	M	AN 3	Format of the document
DocumentImage	M	Base64 binary	Image of the document
ShipmentResponse/TotalNet (0:3)			
@type	M	Enumerated	Type of the charge Possible values; - 'BILLC', billing currency - 'PULCL', country public rates currency - 'BASEC', base currency
Currency	M	AN 3	Total shipping charge with tax
Amount	M	AN	PackageCharge or the Weight Charge
ShipmentResponse/TotalNet/Charges			
ShipmentResponse/TotalNet/Charges/Charge (1:99)			
ChargeType	M	AN	Global Product Name or Optional Special Services
ChargeAmount	M	AN	PackageCharge or the Weight Charge or Special Services Charge

ShipmentResponse/AdditionalInformation			
BillingCode	M	AN 3	
VolumetricWeight	O	12.3 D	DimensionalWeight
CutOffTime	O	TIME	ReadyByTime
DHLRoutingCode	O	AN	Routing Code
DHLRoutingDataID	O	AN	Routing Data ID
ServiceContentCode	O	AN 3	Product Content Code
DeliveryDateCode	O		Delivery Date Code
DeliveryTimeCode	O		Delivery Time Code
ShipmentResponse/AdditionalInformation/OriginServiceArea			
FacilityCode	O	AN 3	The DHL Facility Code for the origin
ServiceAreaCode	O	AN 3	The DHL Service Area Code for the origin of the Shipment
OutboundSortCode	O	AN 4	Outbound Sort Code of Origin
ShipmentResponse/AdditionalInformation/DestinationServiceArea			
FacilityCode	O	AN 3	The DHL Facility Code for the Destination
ServiceAreaCode	O	AN 3	The DHL Service Area Code for the destination of the Shipment
InboundSortCode	O	AN 4	Inbound Sort Code of Destination
ShipmentResponse/AdditionalInformation/Ship			
ShipmentResponse/AdditionalInformation/Ship/Shipper			
ShipmentResponse/AdditionalInformation/Ship/Shipper/Contact			
PersonName	M	AN 45	A contact name of a person who will ship the shipment.
CompanyName	M	AN 60	The company name the person is working in.
ShipmentResponse/AdditionalInformation/Ship/Shipper/Address			
StreetLines	M	AN 45	The street line should contain street name and number of the shipper
StreetName	O	AN 35	Shipper street name should be sent as separate attribute if

			feasible.
BuildingName	O	AN 35	The Shipper building name
StreetNumber	O	AN 15	Shipper street number should be sent as separate attribute, if feasible.
StreetLines2	O	AN 45	Shipper additional address information
StreetLines3	O	AN 45	Shipper additional address information
City	M	AN 35	Shipper city name
StateOrProvinceCode	O	AN 2	2 Letter state code for the USA only
PostalCode	M	AN 12	Shipper postal code
CountryCode	M	AN 2	ISO 2 character code of the Shipper country.
Suburb	O	AN 35	Shipper suburb
ShipmentResponse/AdditionalInformation/Ship/Recipient			
ShipmentResponse/AdditionalInformation/Ship/Recipient/Contact			
PersonName	M	AN 45	A contact name of a person who will receive the shipment.
CompanyName	M	AN 60	The company name the person is working in.
ShipmentResponse/AdditionalInformation/Ship/Recipient/Address			
StreetLines	M	AN 45	The street line should contain street name and number of the recipient
StreetName	O	AN 15	Recipient street name should be sent as separate attribute if feasible.
BuildingName	O	AN 35	The Recipient building name
StreetNumber	O	AN 15	Recipient street number should be sent as separate attribute, if feasible.
StreetLines2	O	AN 45	Recipient additional address information
StreetLines3	O	AN 45	Recipient additional address information
City	M	AN 35	Recipient city name

StateOrProvinceCode	O	AN 2	2 Letter state code for the USA only
PostalCode	M	AN 12	Recipient postal code
CountryCode	M	AN 2	ISO 2 character code of the Recipient country.
Suburb	O	AN 35	Recipient suburb

6. SHIPMENTDELETEREQUEST

6.1 SHIPMENTDELETEREQUEST - DESCRIPTION

The ShipmentDeleteRequest Operation will allow the user to synchronously cancel a previous successful ShipmentRequest. The underlying process for the ShipmentDeleteRequest is a cancellation of a scheduled driver pickup, if included in the original request. Any shipment manifest data which was included in the original ShipmentRequest will not be deleted as part of this operation, but will not become an active shipment if the shipment label does not enter the DHL Network. If a scheduled pickup was not included in the original ShipmentRequest (i.e. DropOffType = REGULAR_PICKUP), then it is not necessary to delete the shipment.

6.2 SHIPMENTDELETEREQUEST - INPUT

The following diagram shows an overview of the request input structure.

Within the DeleteRequest, the ClientDetail is an optional node for reference use, and does not affect functionality. The critical elements are the remaining nodes in the request.
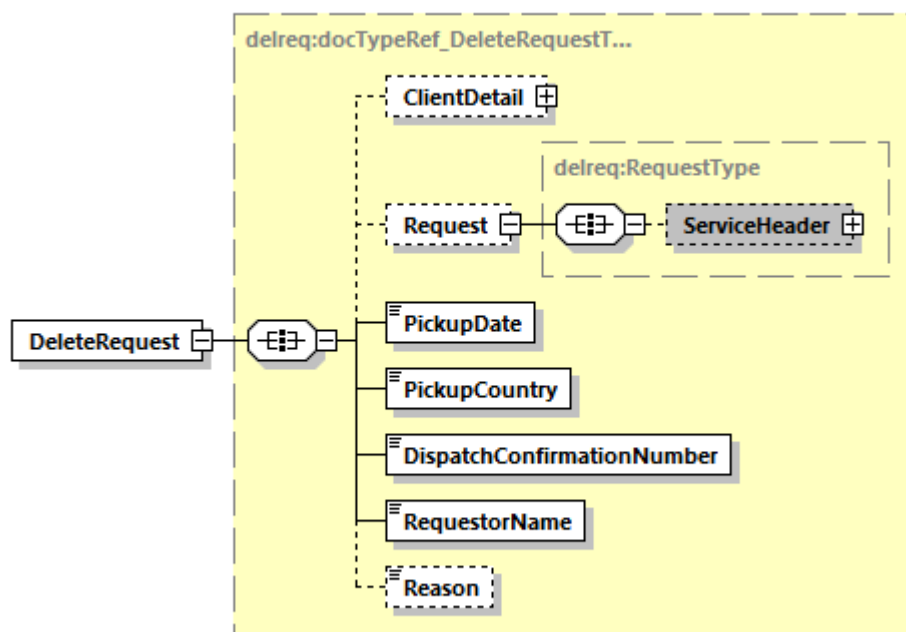
The ServiceHeader element contains the header information about the request message such as message time, message reference for tracking purpose on customer side.

The PickupDate is the day of the scheduled pickup, previously communicated as part of the ShipmentTimestamp of the ShipmentRequest. For example, if the ShipmentTimestamp for the successful shipment was "2010-11-30T12:30:47GMT+01:00", then the PickupDate would be "2010-11-30".

The PickupCountry is the two character country code which was used in the original request.

The DispatchConfirmationNumber is the reference value which was in the original ShipmentResponse for DispatchConfirmationNumber.

The RequestorName is a required field, but is not validated against the original ShipmentRequest. This value is not validated against the original request, and can be defaulted if necessary.

The Reason value is an optional field, and used to indicate the reason for the cancellation. The possible values are included in the table below. Value of 7 ("Other") used in the absence of transmitted data.

Reason	Value
001	Package Not Ready
002	Rates Too High
003	Transit Time Too Slow
004	Take To Service Center or Drop Box
005	Commitment Time Not Met
006	Reason Not Given
007	Other
008	Pickup Modified

6.3 SHIPMENTDELETEREQUEST – INPUT FIELD LIST

ShipmentDeleteRequest fields	Mandatory /Optional	Value constraints	Comments
DeleteRequest			
PickupDate	M	YYYY-MM-DD	The scheduled pickup date of the shipment to be deleted.
PickupCountry	M	AN 2	The country code associated to the origin of the shipment.
DispatchConfirmationNumber	M	AN 20	The confirmation number returned from the original shipment request.
RequestorName	M	AN 45	The delete requestor name
Reason	O	AN 50	Optional reason code (see above table)
DeleteRequest/ClientDetail			
sso	O		This field is for internal use only
plant	O		This field is for internal use only
DeleteRequest/Request			
DeleteRequest/Request/ServiceHeader			
MessageTime	O	TIMESTAMP	Timestamp when request has been created. The format should be YYYY-MM-DD(T)hh:mm:ss-Time Zone e.g. 2010-11-24T00:17:20Z 2010-11-24T00:17:20+08:00 2010-11-24T00:17:20-07:00
MessageReference	O	AN 36	Shipper Reference Number which is used for tracking by merchant. The same transaction ID will be returned as per request if it is provided.
WebstorePlatform	O	AN 20	Reserved for Third Party Vendor's identification
WebstorePlatformVersion	O	AN 15	Reserved for Third Party Vendor's identification

ShippingSystemPlatform	O	AN 20	Reserved for Third Party Vendor's identification
ShippingSystemPlatformVersion	O	AN 15	Reserved for Third Party Vendor's identification
PlugIn	O	AN 20	Reserved for Third Party Vendor's identification
PlugInVersion	O	AN 15	Reserved for Third Party Vendor's identification

6.4   SHIPMENTDELETEREQUEST – OUTPUT
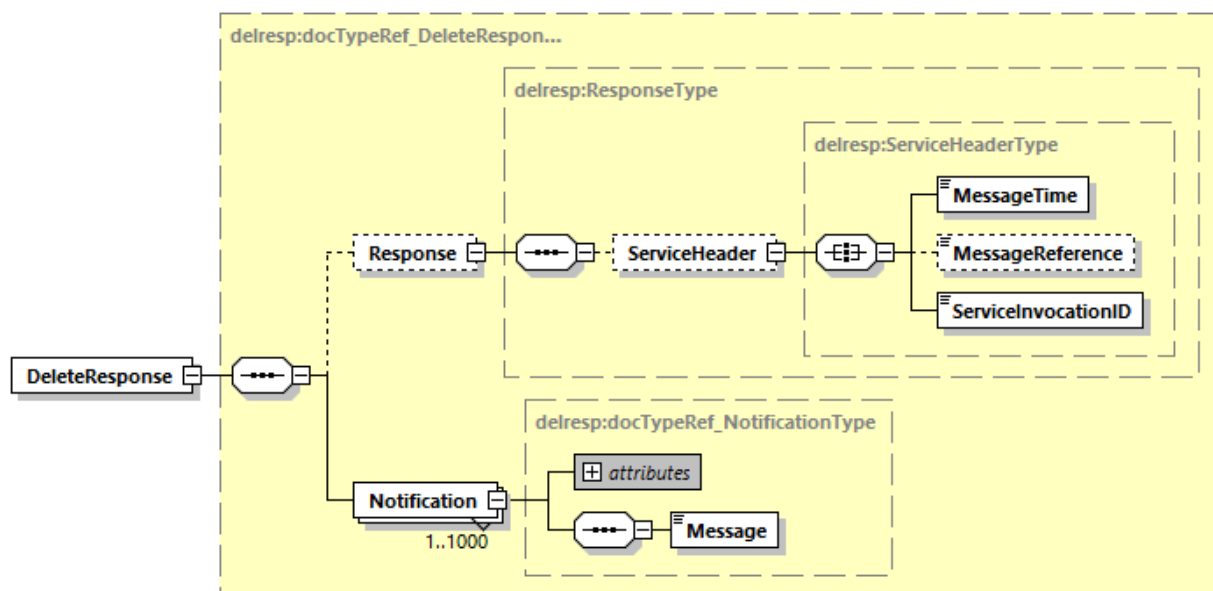
6.5 SHIPMENTDELETEREQUEST – OUTPUT FIELD LIST

ShipmentDeleteResponse fields	Mandatory /Optional	Value constraints	Comments
DeleteResponse			
DeleteResponse/Response			
DeleteResponse/Response/ServiceHeader			
MessageTime	M	Date	Timestamp when request has been processed on DHL side. The format should be YYYY-MM-DD(T)hh:mm:ss-Time Zone
MessageReference	O	AN 36	This information will get populate from the Request message, if provided.
ServiceInvocationID	M		This element will get populate when existing or new customers has provided the <Request> element in the request message. This information will get populate in Response in all Error and Success scenarios.
DeleteResponse/Notification (1:1000)			
@code	M		Error > 0 or Success Code = 0
Message	M		Response Message, see Error codes for more details

For this service, the potential error use cases include

- Pickup Not Found, if already deleted

- Pickup Not Found, if manually deleted otherwise

- Pickup Not Found, if still in process of creation

Please note, for the 3rd use case, there is a very small window of time between when the original pickup request is processed and when the backend system creates the pickup (< 30 secs). During this time, it may not be possible to delete the pickup request.

7. TRACKING REQUEST

7.1 TRACKINGREQUEST - DESCRIPTION

The TrackingRequest operation is used to inform customers about the status of their in-transit shipments, based on the valid DHL Waybill Number, Shipment Reference and License Plate (LP) number. The resulting response will provide tracking events at both the Shipment and/or Piece events corresponding to the DHL Waybill(s), LPNumber(s) and shipment reference submitted.

When presenting the results of the web service, note that the resulting piece and shipment events should not be grouped separately. Depending on the type of event or DHL processing facility, only piece or shipment data (or both piece and shipment) may be available. Merging the resulting Piece and Shipment events will provide a consolidated view of the event history for the DHL Shipment.

7.1.1 TrackingRequest Schema Diagram

The following diagram details the schema diagram for the TrackingRequest, as input. There are three options available to track the shipment, which is AWBNumber, LPNumber and ShipmentReference with ShipperAccountNumber.
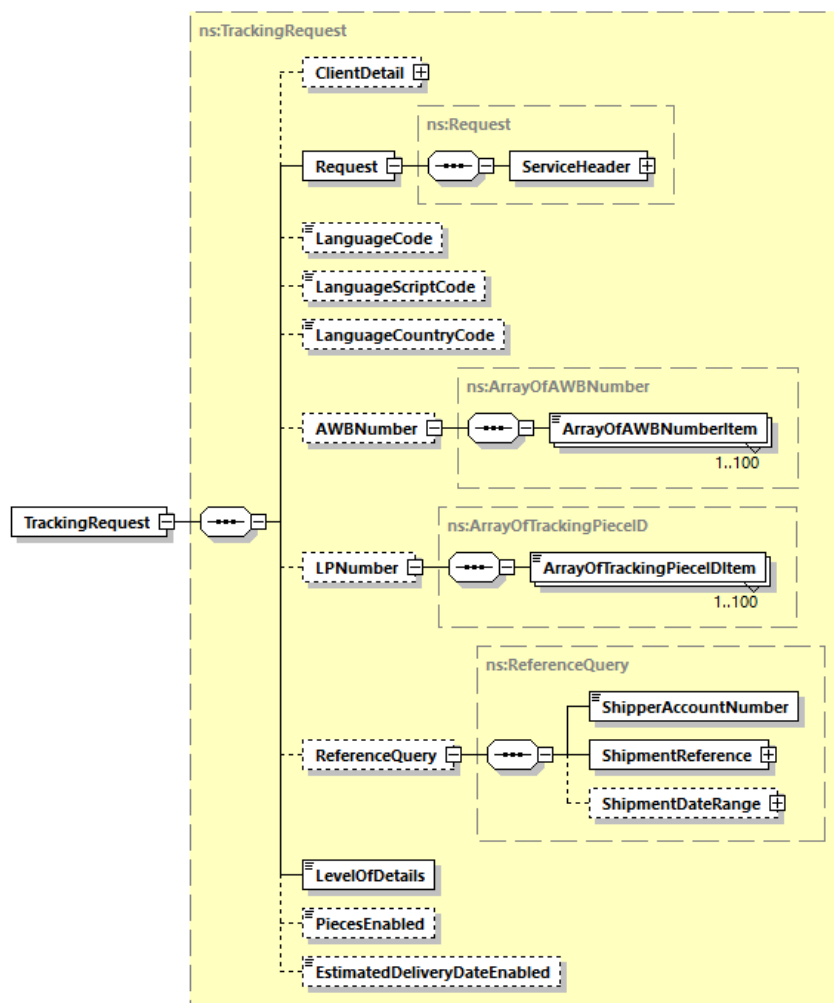
7.2 TRACKINGREQUEST - INPUT

The Request node contains a ServiceHeader structure, which describes the MessageTime and MessageReference of the request. The Header fields are required fields for the request, used to distinguish individual requests. The MessageReference is required to be between 28 and 32 characters in length, but is not required to be unique between requests.

7.2.1   TrackingRequest Input: LanguageCode

The LanguageCode element helps to identify the language code and provide the shipment and piece level translation of checkpoint descriptions based on language code provided by user.

7.2.2   TrackingRequest Input: LanguageScriptCode

The LanguageScriptCode element is used to identify the language script code and provide the shipment and piece level translation of checkpoint descriptions based on language code, language country code (if provided) and language script code.

7.2.3   TrackingRequest Input: LanguageCountryCode

The LanguageCountryCode element is to identify the language country code and provide the shipment and piece level translation of checkpoint descriptions based on language code and language country code provided by user.

7.2.4   TrackingRequest Input: AWBNumber

The AWBNumber element must contain at least one element within the ArrayOfAWBNumberItem node. The DHL Waybill element is defined at a maximum length of 11 characters; the standard DHL Waybill used in shipping will typically be 10 digits. The AWBNumber element allows multiple DHL Waybill numbers in a single request, as multiple Waybill requests are batched on the backend to populate the response for multiple shipments.
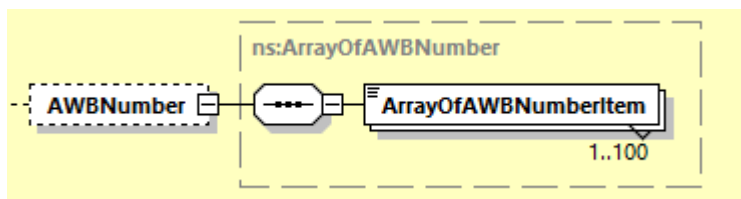
7.2.5   TrackingRequest Input: LPNumber

The LPNumber element is used as input to track the shipment form the LPNumber provided in the request message.
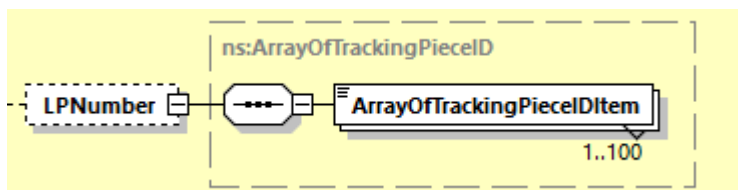
7.2.6   TrackingRequest Input: ReferenceQuery

The ReferenceQuery element helps to query using the Shipper's Reference Number, Account Number and Shipment Date. This element is not allowed to be use along with the DHL Waybill number and License Plate Number. There are 3 children under this element;
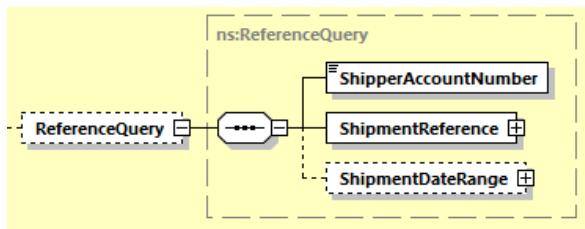
- ShipperAccountNumber – A mandatory element that will be used to undergo account validation process (if needed)

- ShipmentReference – A mandatory element that have 2 children element; Value and Type that will be used to retrieve the response with the Shipment Details and checkpoints associated with the AccountNumber, ReferenceID and ReferenceType (if provided) in Request message.

- ShipmentDateRange – An optional element that helps to filter data based on the provided dates. There are 2 children element; From and To.

7.2.7   TrackingRequest Input: LevelOfDetails

The LevelOfDetails element contains an enumerated value for checkpoint details requested in the response. It is a required element in the request, applies to all shipments in the request and has the following values.

- ALL_CHECKPOINTS, populates all the customer visible checkpoints available in the response message.
- LAST_CHECKPOINT_ONLY, this value is used when only the last checkpoint details are required.
- ADVANCE_SHIPMENT, to support advance shipment query. When this value is used, only shipment details information gets populated in response message. Checkpoint details are not populated for Advance Shipment.
- BBX_CHILDREN, when the Mother AWB number is provided in the request message, the shipment details and checkpoints of mother AWB with its children's AWB numbers will be returned. However, there will be no checkpoint details for the childrens AWB number provided.
- SHIPMENT_DETAILS_ONLY, only shipment details are provided in the response message. No checkpoint details are populated.

7.2.8   TrackingRequest Input: PiecesEnabled

The PiecesEnabled element contains an enumerated value for shipment and/or piece details and events requested in the response. It is an optional element in the request, applies to all shipments in the request and has the following values.

- B = Both Piece and Shipment Details (recommended value)
- S = Shipment Details Only
- P = Piece Details Only.

7.2.9   TrackingRequest Input: EstimatedDeliveryDateEnabled

The EstimatedDeliveryDateEnabled element indicates if estimated delivery date (EDD) should be included in the service response (Estimated Delivery Date information is not always available).

7.3 TRACKINGREQUEST – INPUT FIELD LIST

The following table details the fields used by the TrackingRequest, their cardinality and a brief description of their usage.

Tracking Request fields	M/O	Values or Constraints	Comments
TrackingRequest			
LanguageCode	M/O	AN 3	The language code requested by user. This field is mandatory when LanguageScriptCode and/or LanguageCountryCode is provided. The supported language code are as below; - eng, English (Default) - bak, - bul, Bulgarian - cze, Czech - dan, Danish - ger, German - ewe, - gre, Greek - spa, Spanish - est, Estonian - fin, Finnish - fre, French - heb, Hebrew - hrv, Croatian - hun, Hungarian - ind, Indonesian - ita, Italian - jpn, Japanese - kor, Korean - lit, Lithuanian

			- lav, Latvian
			- mac, Macedonian
			- dut, Dutch
			- nor, Norwegian
			- pol, Polish
			- por, Portuguese
			- rum, Romanian
			- rus, Russian
			- srd,
			- slo, Slovak
			- slv, Slovenian
			- alb, Albanian
			- srp,
			- swe, Swedish
			- chi, Chinese
			- tha, Thai
			- tur, Turkish
			- twi,
			- ukr, Ukrainian
			- ice, Icelandic
LanguageScriptCode	O	AN 4	The script of the language code
LanguageCountryCode	O	AN 2	The country code of the language
LevelOfDetails	M	Enumerated	Checkpoint Detail Indicator. Possible values; - LAST_CHECKPOINT_ONLY - ALL_CHECKPOINTS - SHIPMENT_DETAILS_ONLY - ADVANCE_SHIPMENT - BBX_CHILDREN
PiecesEnabled	O	Enumerated	Pieces Indicator. Possible values;

			- B = Both Piece and Shipment - S = Shipment Details Only - P = Piece Details Only.
EstimatedDeliveryDateEnabled	O	Enumerated	Possible values: - 1, EDD requested - 0, EDD not requested (Estimated Delivery Date is not always returned and is subject to the scans by the DHL Operations team)

TrackingRequest/Request			
TrackingRequest/Request/ServiceHeader			
MessageTime	M	Date	The format of the should be YYYY-MM-DD(T)hh:mm:ss-Time Zone e.g. 2010-11-24T00:17:20Z 2010-11-24T00:17:20-07:00
MessageReference	M	AN 32	Message reference, between 28-32 characters in length.
WebstorePlatform	O	AN 20	Reserved for Third Party Vendors identification
WebstorePlatformVersion	O	AN 15	Reserved for Third Party Vendors identification
ShippingSystemPlatform	O	AN 20	Reserved for Third Party Vendors identification
ShippingSystemPlatformVersion	O	AN 15	Reserved for Third Party Vendors identification
PlugIn	O	AN 20	Reserved for Third Party Vendors identification
PlugInVersion	O	AN 15	Reserved for Third Party Vendors identification
TrackingRequest/ClientDetail			
sso	O		This field is for internal use only
plant	O		This field is for internal use only
TrackingRequest/AWBNumber (Optional)			

ArrayOfAWBNumberItem (1:100)	M	AN 11	DHL Waybill number
TrackingRequest/LPNumber (Optional)			
ArrayOfTrackingPieceIDItem (1:100)	M	AN 35	DHL Piece ID
TrackingRequest/ReferenceQuery (Optional)			
ShipperAccountNumber	M	N 12	The account number of the shipper
TrackingRequest/ReferenceQuery/ShipmentReferences			
ShipmentReference	M	AN 35	The ShipmentReference element the shipper reference ID number.
ShipmentReferenceType	O	AN 3	The ReferenceType element is the shipper reference type. Possible value; - CU, reference number of consignor
TrackingRequest/ReferenceQuery/ShipmentDateRange			
From	M	Date	The ShipmentDateFrom element contains the date from which the shipment should be queried. The format of the date should be YYYY-MM-DD.
To	M	Date	The ShipmentDateTo element contains the date to which the shipment should be queried.The format of the date should be YYYY-MM-DD.

Waybill numbers to be used during Testing for Tracking

Please note that when testing the Tracking Web service, only the Waybill numbers below are loaded and any production Waybill numbers or ones created via CreateShipment will not be trackable.

3898464710	9296347550	9296392420	3567549160	8423914660	7195064870	7895183380
1191166550	7780184230	5220325810	7895111000	7898385320	5138809620	6424045110
6768764450	3314358460	9545331390	7895083910	8260591010	4688745390	7967566180

7.4 TRACKINGRESPONSE - OUTPUT

The following diagram details the TrackingResponse. All successful tracking responses will conform to this schema.
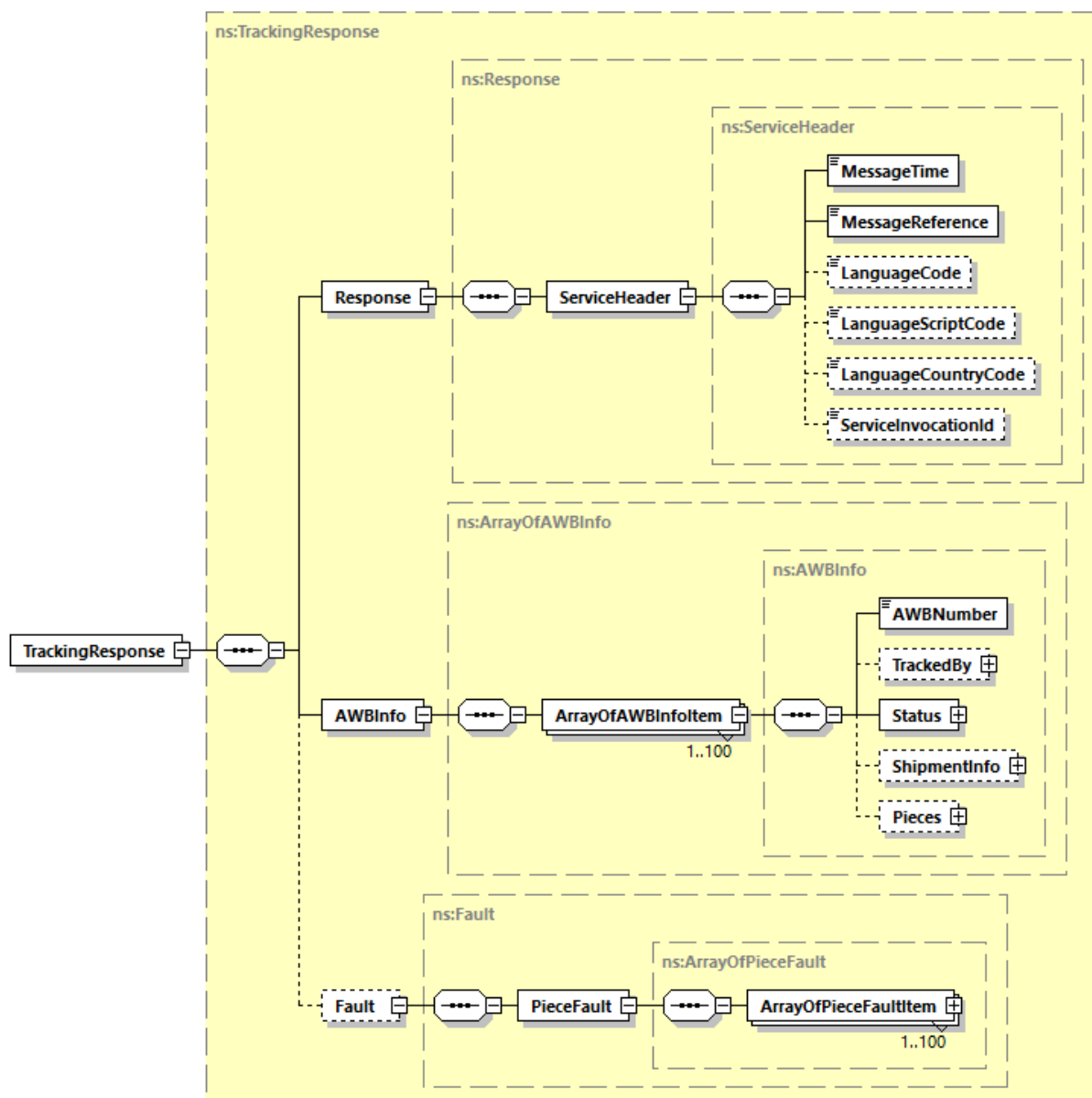
At a high level, the TrackingResponse contains a Response element and an AWBInfo element. Within the AWBInfo element, each ArrayOfAWBInfoItem corresponds to the response for each DHL Airbill submitted in the original request.

The remaining subsections of 4.2.4 will provide additional context to the structures immediately below TrackingResponse, while the individual nodes are described in further detail in section 4.2.5.

7.4.1   TrackingResponse Output: Response

The Response element contains the service header information for the message. This includes the timestamp when the response generated to the consumer, as well as the unique message reference generated by DHL.

7.4.2   TrackingResponse Output: AWBInfo

The AWBInfo element is a complex element which maintains an array of airbill responses for each airbill requested. The ArrayOfAWBInfoItem consists of five child elements

- AWBNumber
- TrackedBy
- Status
- ShipmentInfo
- Pieces

7.4.3   TrackingResponse Output: AWBNumber

The AWBNumber returned in the response corresponds to the DHL Airbill Number in the Tracking Request. For multiple shipment requests, this field is used to distinguish between the multiple responses.

7.4.4   TrackingResponse Output: TrackedBy

This is an optional element which gets populated in response message only when user performed tracking query by License Plate Number. This is only applicable to track by Piece ID option only.
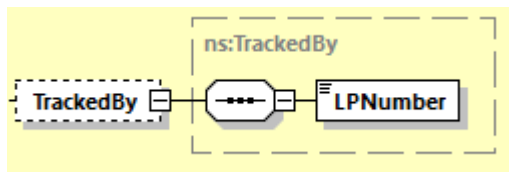
7.4.5   TrackingResponse Output: Status

The Status element consists of a summary ActionStatus field, which describes the success of the service. Expected values for this element are "Success" and "No Shipments Found".

The optional Condition element consists of additional error information, and is only present in the case of an exception. Appendix A contains specific information on the values of the ConditionCode and ConditionData returned in the case of a Not Found exception.
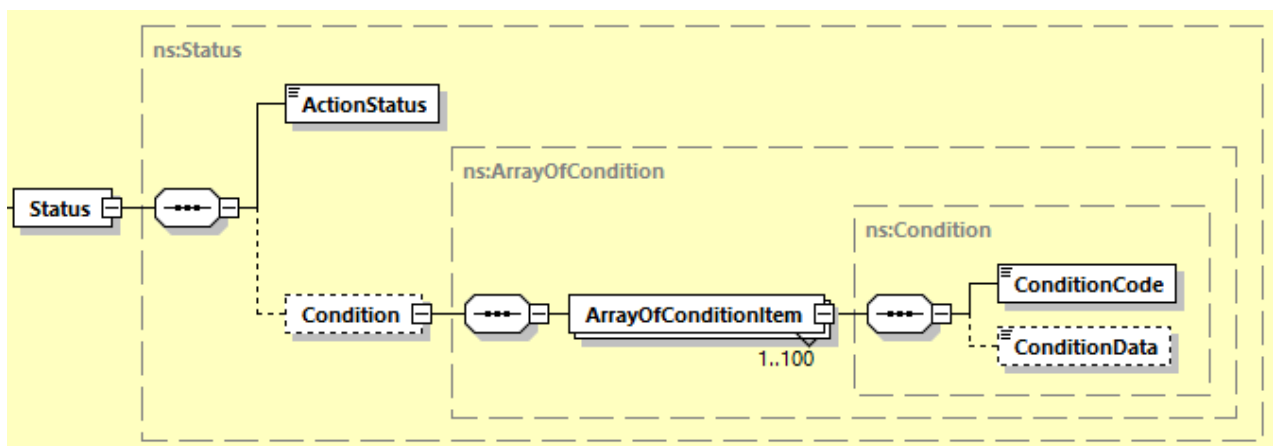
7.4.6 TrackingResponse Output: ShipmentInfo

The ShipmentInfo element is an optional element within the response, and will be populated for successful invocations. This element describes the shipment details, as well as provide optional ShipmentEvents. The ShipmentInfo element consists of the following child elements:

- OriginServiceArea – This complex element contains the Service Area code and Service Area description for the origin of the shipment.
- DestinationServiceArea – This complex element contains the Service Area Code and Service Area Description for the destination of the shipment.
- ShipperName – The name or title associated to the shipper.
- ShipperAccountNumber – The account number for shipping, currently not included for tracking purposes.
- ConsigneeName – The name or title associated to the receiver.
- ShipmentDate – The date of the shipment initiation.
- Pieces – The number of pieces in the shipment.
- Weight – The weight of the shipment.
- WeightUnit – The unit of measure for shipment weight
- ServiceType – The global or network product code of the shipment.
- ShipmentDescription – The description of the shipment
- Shipper – The optional element which contains the shipper or origin city, division code, postal code and country/region code of the shipment.
- Consignee – The optional element which contains the consignee or destination city, division code, postal code and country/region code of the shipment.
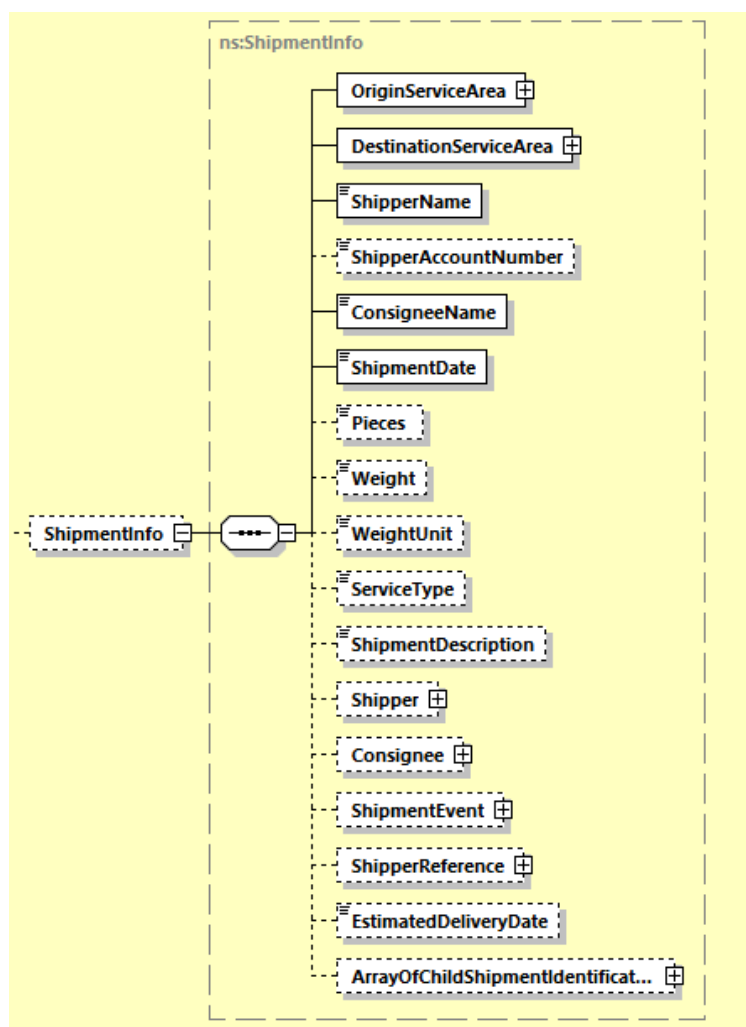
The ShipmentEvent element is an optional complex element detailing the specific shipment events for the entire shipment, and has a cardinality of zero to many. Each event will be detailed under the element ArrayOfShipmentEventItem, and the events will appear in descending order by date/time. The ArrayOfShipmentEventItem element consists of these child elements.
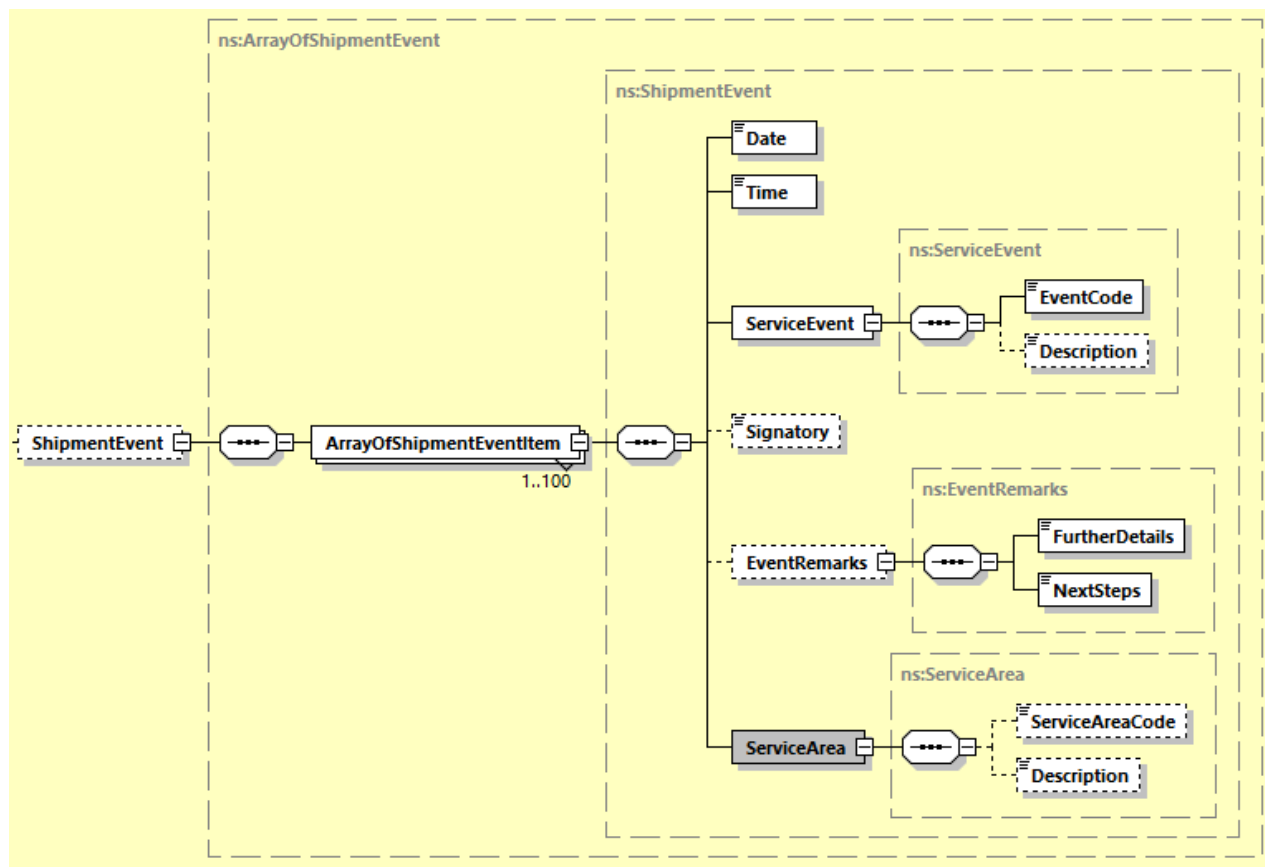
- Date – The date of the Shipment Event
- Time – The time of the Shipment Event (in local time)
- Service Event – The code and description of the event.
- Signatory – The signee for the shipment, if captured.
- EventRemarks- The further details of the event and next step of the shipment
- Service Area – The service area code and description where the event occurred.

The ShipmentReference element is an optional complex element detailing the reference information, if any, available for this shipment

.
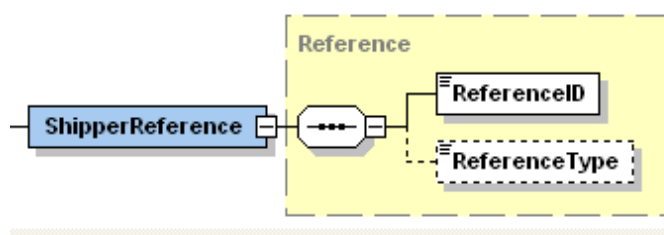
- EstimatedDeliveryDate – estimated delivery date (EDD)

The ArrayOfChildShipmentIdentificationNumber element is an optional element that populates the children AWB numbers of requested Mother AWB Number.
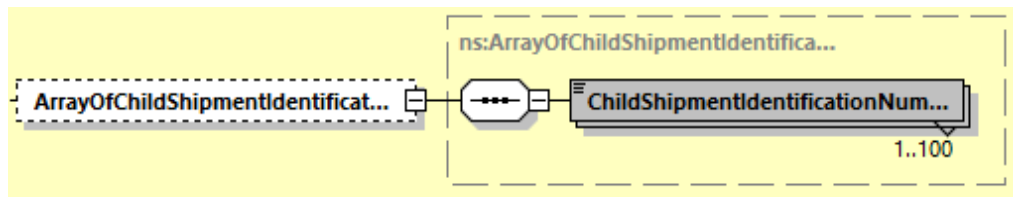
7.4.7 TrackingResponse Output: Pieces

The following diagram details the Pieces element of ArrayOfAWBInfoItem. The Pieces element is an optional element which contains a single complex PieceInfo element. The PieceInfo element consists of one to many ArrayOfPieceInfoItem elements.
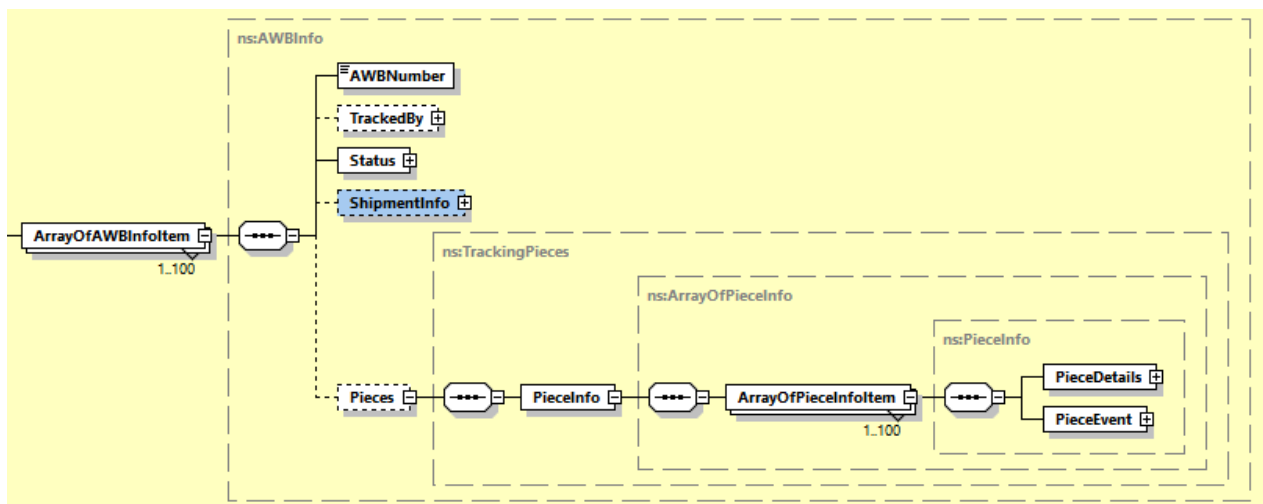
Within the ArrayOfPieceInfoItem element, there are two complex child elements.

- PieceDetails – This element describes attributes of the specific piece, including piece id, dimensions and weight.
- PieceEvent – This element contains one to many events at the piece level, including a description of the event, the date/time of the event, and the location of the event. In this sense, it is identical in structure to the ShipmentEvent element.

7.5 TRACKINGRESPONSE – OUTPUT FIELD LIST

TrackingResponse	Mandatory /Optional	Value constraints	Comments
TrackingResponse/Response			
TrackingResponse/Response/ServiceHeader			
MessageTime	M	Date	The format of the should be YYYY-MM-DD(T)hh:mm:ssZ (GMT e.g 2011-01-12T18:41:12Z
MessageReference	M	AN 36	The unique message reference for this response.
LanguageCode	O	AN 3	These elements should populate only if provided in Request message.
LanguageScriptCode	O	AN 4	These elements should populate only if provided in Request message.
LanguageCountryCode	O	AN 2	These elements should populate only if provided in Request message.
ServiceInvocationID	O	Token	This information will get populate in Response Message for all Error and Success scenarios. This element will populate only when <LevelOfDetails> element values are as listed below: - ALL_CHECKPOINTS - LAST_CHECKPOINT_ONLY - SHIPMENT_DETAILS_ONLY - BBX_CHILDREN - ADVANCE_SHIPMENT
TrackingResponse/AWBInfo			
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem (1:100)			
AWBNumber	M	AN 11	Identifies the piece number as a counter, same as input.
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/TrackedBy			
LPNumber	M	AN 35	License Plate Number
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/Status			
ActionStatus	M	AN 20	The summary status of the request. Values include;

			"Success"
			"No Shipments Found"

TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/Status/Condition			

TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/Status/Condition/ArrayOfConditionItem(1:100)			
ConditionCode	M	N 3	Error Code associated to the request e.g. 101
ConditionData	O	AN 50	Error Description

TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/ShipmentInfo			
ShipperName	M	AN 45	Shipper Name
ShipperAccountNumber	O	AN 12	Shipper's Account Number (currently not populated for tracking)
ConsigneeName	M	AN 45	Receiver's Name
ShipmentDate	M	Date	The shipment initiation date, local to origin YYYY-MM-DD(T)HH:MM:SS+GMT 2010-11-09T14:30:00+01:00
Pieces	O	N 6	Number of pieces in shipment
Weight	O	AN 9	Weight of shipment Format 99999.999
WeightUnit	O	AN 1	L = Pounds K = Kilogram G = Grams
ServiceType	O	AN 4	The shipping product requested for this shipment, corresponding to the DHL Global Product codes.
ShipmentDescription	O	AN	The description of the shipment
EstimatedDeliveryDate	O	Date	Estimted delivery date (EDD) YYYY-MM-DD(T)HH:MM:SS+GMT 2010-11-09T14:30:00+01:00

TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/ShipmentInfo/OriginServiceArea			
ServiceAreaCode	O	AN 3	The DHL Service Area Code for the origin of the Shipment
Description	O	AN 40	The description of the Service Area Code.
OutboundSortCode	O	AN 4	Outbound Sort Code of Origin (currently not available)
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/ShipmentInfo/DestinationServiceArea			
ServiceAreaCode	O	AN 3	The DHL Service Area Code for the destination of the Shipment
Description	O	AN 40	Description
FacilityCode	O	AN 3	The DHL Facility Code for the Destination
InboundSortCode	O	AN 4	Inbound Sort Code of Destination (currently not available)
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/ShipmentInfo/Shipper			
City	O	AN 35	Shipper city name
Suburb	O	AN 35	Shipper suburb name
StateOrProvinceCode	O	AN 2	Shipper state or province code
PostalCode	O	AN 12	Shipper postal code
CountryCode	O	AN 2	ISO 2 character code of the Shipper country.
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/ShipmentInfo/Consignee			
City	O	AN 35	Consignee city name
Suburb	O	AN 35	Consignee suburb name
StateOrProvinceCode	O	AN 2	Consignee state or province code
PostalCode	O	AN 12	Consignee postal code
CountryCode	O	AN 2	ISO 2 character code of the Consignee country.
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/ShipmentInfo/ShipperReference			
ReferenceID	O	AN 35	Reference ID for shipment

ReferenceType	O	AN 2	Reference Type
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/ShipmentInfo/ArrayOfChildShipment IdentificationNumbers			
ChildShipmentIdentificationNumber	M	AN 11	The children AWB numbers of requested Mother AWB Number
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/ShipmentInfo/ShipmentEvent			
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/ShipmentInfo/ShipmentEvent/ ArrayOfShipmentEventItem(1:100)			
Date	M	Date	Local Date of Shipment Event YYYY-MM-DD
Time	M	Time	Local Time of Shipment Event
Signatory	O	AN 20	The signee for the shipment, only occurs for final disposition events (such as OK event)
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/ShipmentInfo/ShipmentEvent/ ArrayOfShipmentEventItem/ServiceEvent			
EventCode	M	AN 2	The event code for this specific event.
Description	M	AN 50	The description of the event
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/ShipmentInfo/ShipmentEvent/ ArrayOfShipmentEventItem/EventRemarks			
FurtherDetails	M	AN	The further details describe from the event description
NextSteps	M	AN	Explained the next step for the shipment
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/ShipmentInfo/ShipmentEvent/ ArrayOfShipmentEventItem/ServiceArea			
ServiceAreaCode	O	AN 3	The DHL Service Area Code for the event
Description	O	AN 40	The description of the service area code.
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/Pieces			
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/Pieces/PieceInfo			
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/Pieces/PieceInfo/ArrayOfPieceInfoItem (1:100)			

TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/Pieces/PieceInfo/ **ArrayOfPieceInfoItem/PieceDetails**			
AWBNumber	M	AN 11	Airbill associated to the Piece (same as the parent node airbill)
LicensePlate	M	AN 35	Piece ID associated to the Piece
PieceNumber	O	N 6	Number of the Piece
ActualDepth	O	AN 9	Actual Depth of shipment Format 99999.999
ActualWidth	O	AN 9	Actual Width of shipment Format 99999.999
ActualHeight	O	AN 9	Actual Height of shipment Format 99999.999
ActualWeight	O	AN 9	Actual Weight of shipment Format 99999.999
Depth	O	AN 9	Depth of shipment Format 99999.999
Width	O	AN 9	Width of shipment Format 99999.999
Height	O	AN 9	Height of shipment Format 99999.999
Weight	O	AN 9	Weight of shipment Format 99999.999
PackageType	O	AN 3	Package Type of Shipment
DimWeight	O	AN 9	Volumetric Weight of shipment Format 99999.999
WeightUnit	O	AN 1	L = Pounds K = Kilogram G = Grams
PieceContents	O	AN 20	Contents or description of the piece
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/Pieces/PieceInfo/			

ArrayOfPieceInfoItem/PieceEvent			
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/Pieces/PieceInfo/ ArrayOfPieceInfoItem/PieceEvent/ArrayOfPieceEventItem (1:100)			
Date	M	Date	Local Date of Piece Event YYYY-MM-DD
Time	M	Time	Local Time of Shipment Event HH:MM:SS
Signatory	O	AN 20	The signee for the piece, only occurs for final disposition events (such as OK event)
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/Pieces/PieceInfo/ArrayOfPieceInfoItem/ PieceEvent/ArrayOfPieceEventItem/ServiceEvent			
EventCode	M	AN 2	The event code for this specific event.
Description	O	AN 50	The description of the event
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/Pieces/PieceInfo/ArrayOfPieceInfoItem/ PieceEvent/ArrayOfPieceEventItem/ServiceArea			
ServiceAreaCode	O	AN 3	The DHL Service Area Code for the event
Description	O	AN 40	The description of the service area code.
TrackingResponse/AWBInfo/ArrayOfAWBInfoItem/Pieces/PieceInfo/ArrayOfPieceInfoItem/ PieceEvent/ArrayOfPieceEventItem/ShipperReference			
ReferenceID	O	AN 35	Reference ID for shipment
ReferenceType	O	AN 2	Reference Type
TrackingResponse/Fault			
TrackingResponse/Fault/PieceFault			
TrackingResponse/Fault/PieceFault/ArrayOfPieceFaultItem (1:100)			
PieceID	M	AN 35	License Plate Number
ConditionCode	M	AN	Error code
ConditionData	M	AN	Error Messsage

8. DOCUMENTRETRIEVE - EPOD

8.1 DOCUMENTRETRIEVE-EPOD - DESCRIPTION

The Document Retrieve operation will return ePOD image(s) according to how the image was requested.

Using Waybill number as well as other shipment criteria, this operation returns the available ePOD image including, if requested, the ePOD details.

A Document Retrieve request is successfully executed if the correct combination of account/Waybill and image content is sent in the request.

8.2 DOCUMENTRETRIEVE-EPOD - INPUT

The following diagrams show an overview of the request input structure. It is composed of two main structures. The header (Hdr) and the Body(Bd). The Bd contains two structures, the Shipment (Shp) elements and the Generic Request (GenrcRq). Most of the parameters defining the image requested are on the Shp and GenrcRq segments.
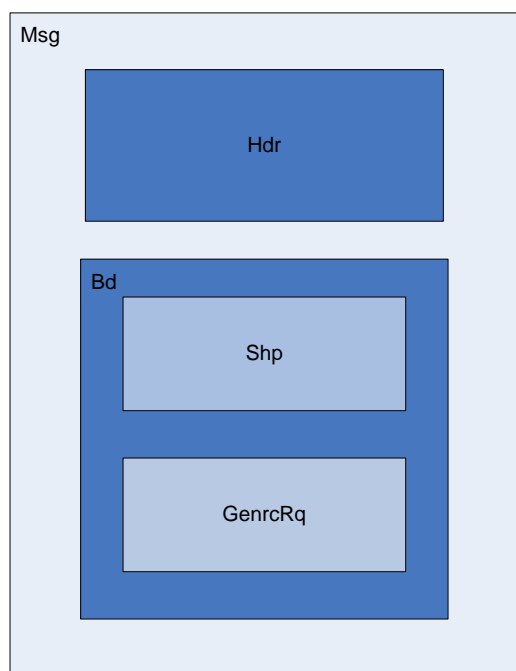
The representation of each of the individual sections of shipmentDocumentRetrieve request is below in schema diagram, with context, and a detailed description of each field follows in the Input Field List.

8.2.1   Header (Hdr) Schema Diagram
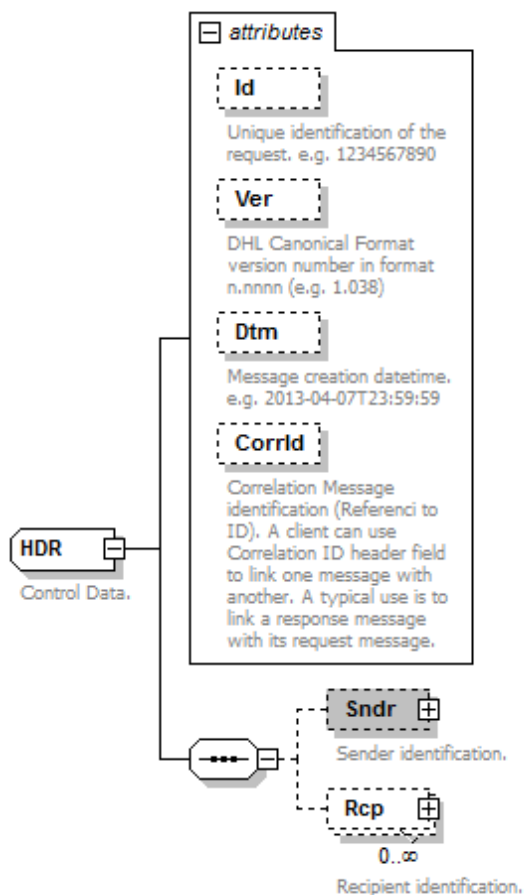
8.2.2   Header Input: Id

Unique identification of the request. e.g. 1234567890

8.2.3   Header Input: Ver

Mandatory: Version of the DHL canonical format. This is a constant value that should be set to 1.038.

8.2.4   Header Input: Dtm

Mandatory: Message creation date-time in the following format: **2013-04-07T23:59:59**

8.2.5   Header Input: CorrId

Correlation id can be used to link a message. It is optional and it is only used in the response.

8.2.6   Header Input: Sndr

The Sndr section provides details about the message sender.
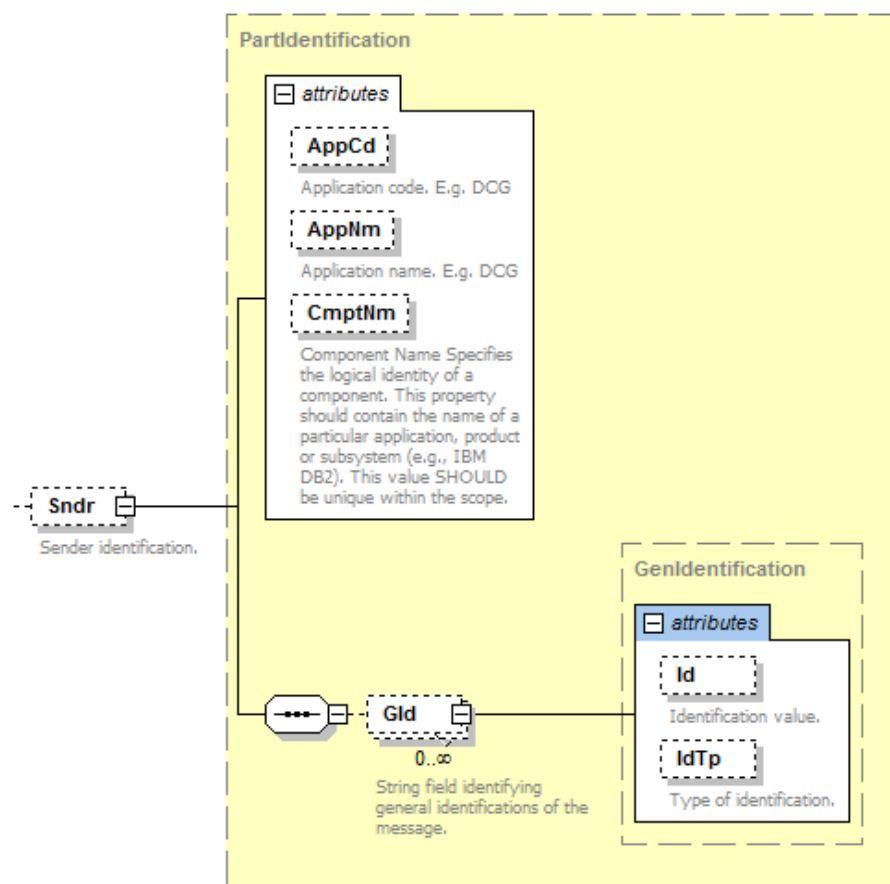
8.2.7   Sndr Input: AppCd

Mandatory: The AppCd identifies the application sending the request to the backend system. In this case, the value should be DCG.

8.2.8   Sndr Input: AppNm

Optional: The AppNm node contains the name of the sending application.

8.2.9   Sndr Input: CmptNm

Optional: The CmptNm is the name of the component in the application that is sending the request.

8.2.10 Sndr Input: GId

Optional: General identification of the message. In this process this group is not used.
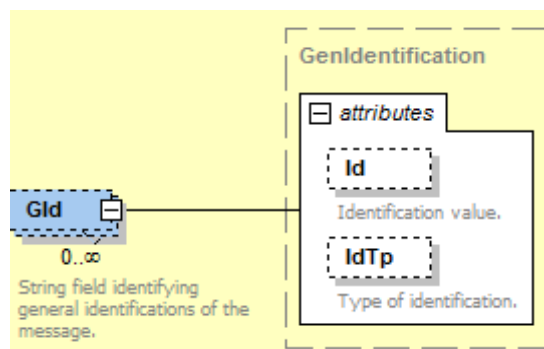
8.2.11 Header Input: Rcp.

Optional: Recipient identification. This section is only used in the response no need to use it in the request.
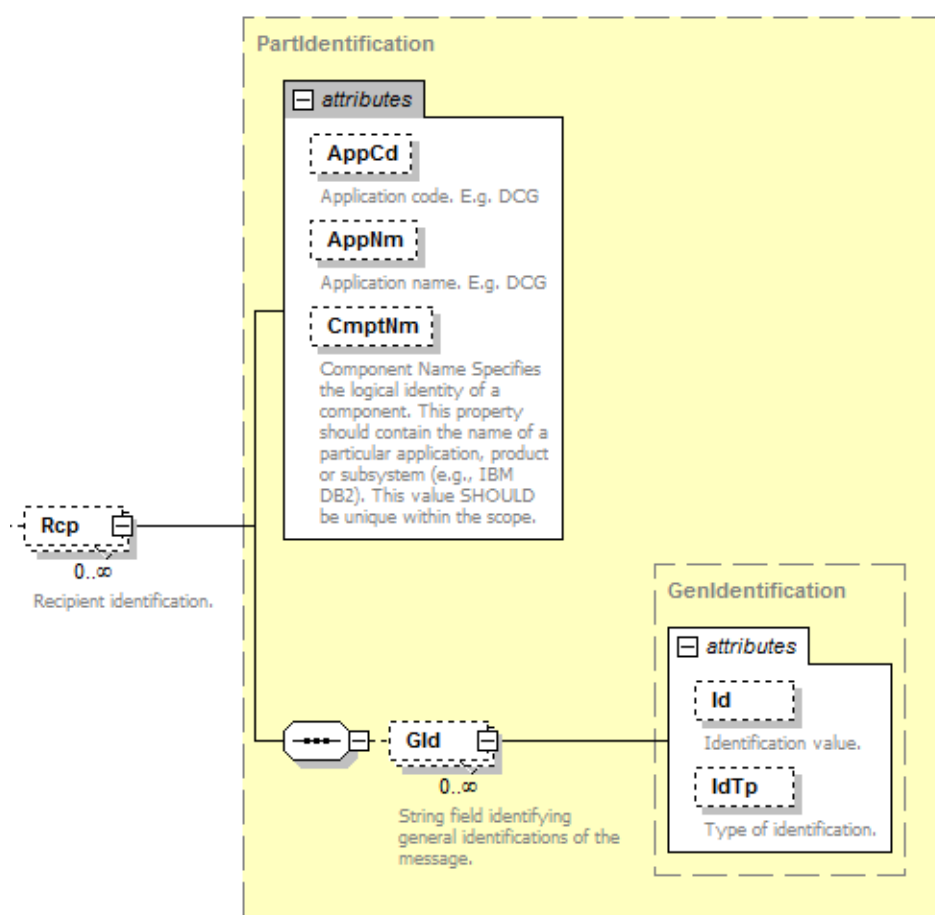
8.2.12   Bd Input: Shp Schema Diagram
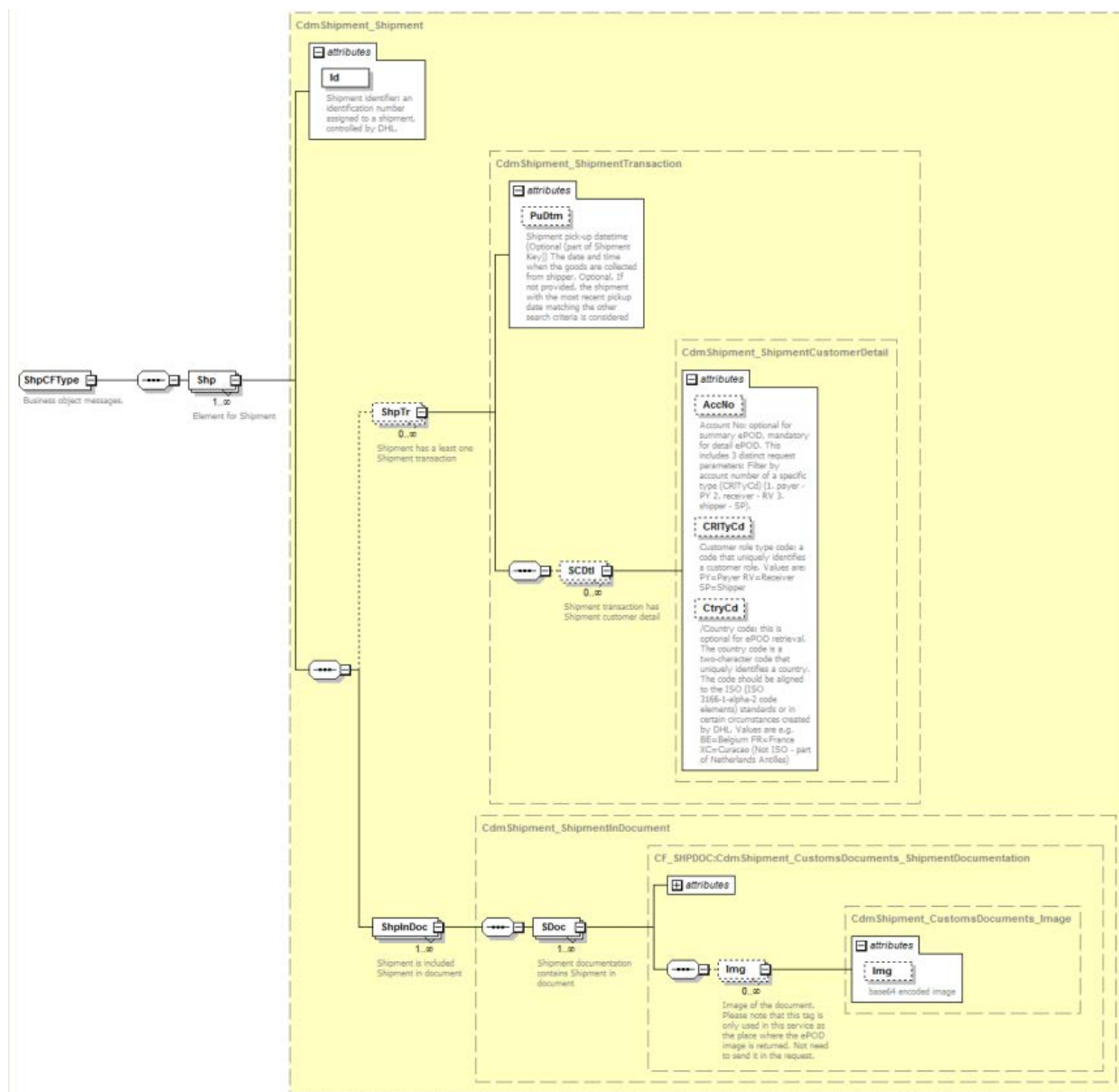
8.2.13   Shp Input: Id

Mandatory: Shipment identifier: an identification number assigned to a shipment, controlled by DHL.

8.2.14 Shp Input: ShpTr

The ShpTr section contains the fields related to the shipment transaction
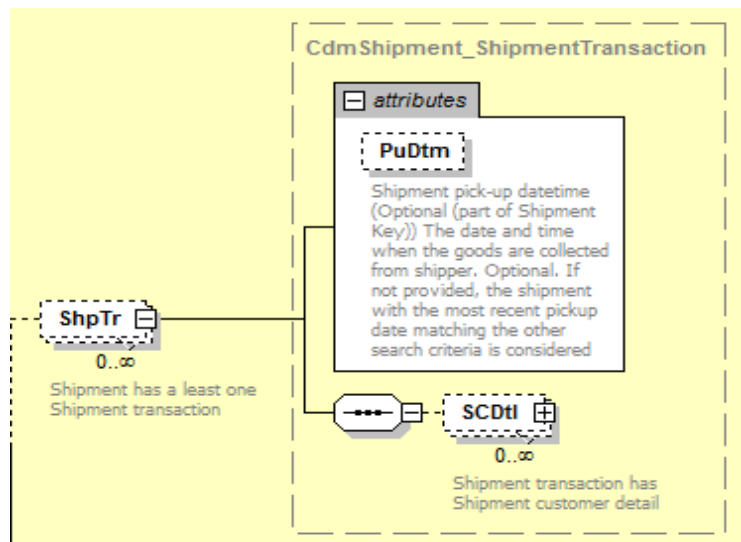
8.2.15 ShpTr Input: PuDtm

Optional: Shipment pick-up datetime (Optional (part of Shipment Key)) The date and time when the goods are collected from shipper. If not provided, the shipment with the most recent pickup date matching the other search criteria is considered.
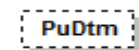
8.2.16 ShpTr Input: SCDtl

The SCDtl section contains shipment customer detail
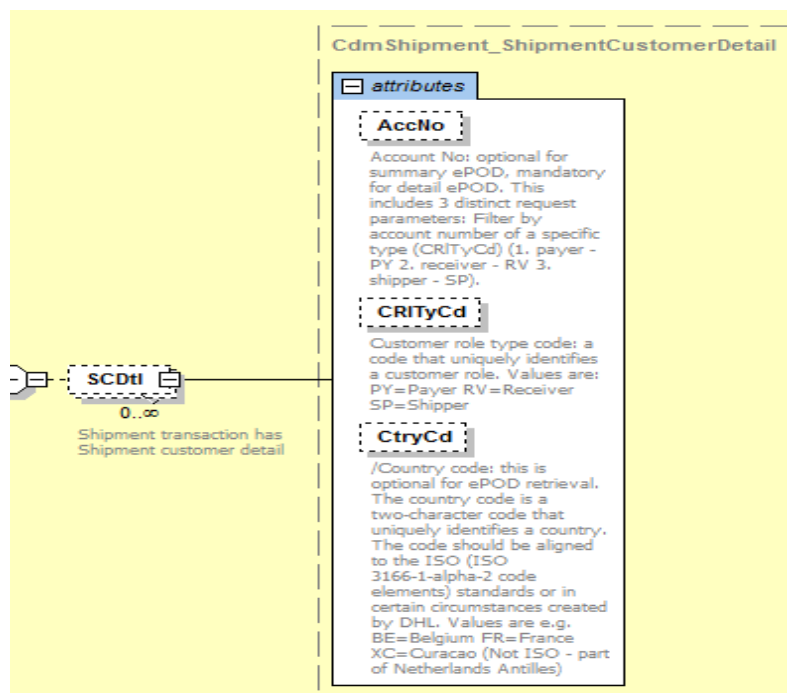
8.2.17   SCDtl Input: AcctNo

Account Number. This is optional if requesting a summary ePOD, however it is mandatory for each Waybill number to declare the corresponding account number.
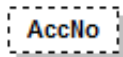
8.2.18   SCDtl Input: CRlTyCd

Optional: If the AccNo is provided this field also should be provided. Customer role type code: It is optional for summary ePOD but mandatory for detail ePOD. This is the code that uniquely identifies a customer role. Values are: PY=Payer RV=Receiver SP=Shipper
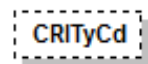
8.2.19   SCDtl Input: CtryCd

/Country code: this is optional for ePOD retrieval. The country code is a two-character code that uniquely identifies a country. The code should be aligned to the ISO (ISO 3166-1-alpha-2 code elements) standards or in certain circumstances created by DHL. Values are e.g. BE=Belgium FR=France XC=Curacao (Not ISO - part of Netherlands Antilles).
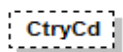
8.2.20   Shp Input: ShpInDoc

The ShpInDoc includes the SDoc(Shipment Documentation) section
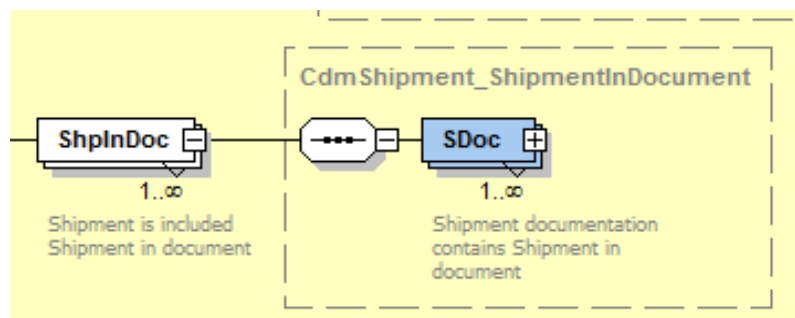
8.2.21 ShpInDoc Input: SDoc

SDoc contains shipment in document
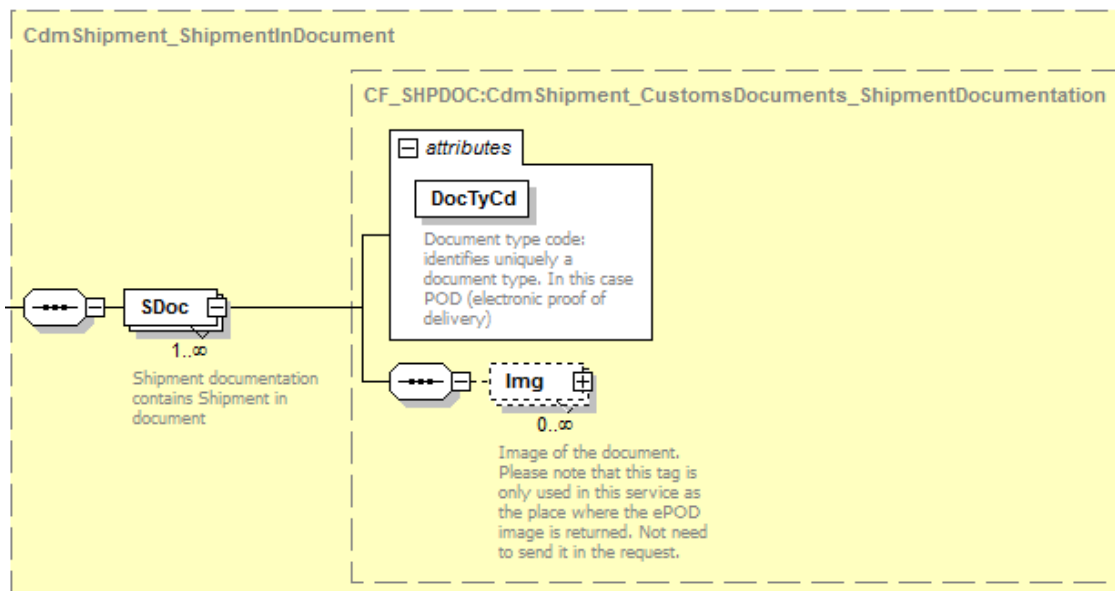
8.2.22 SDoc Input: DocTyCd

Mandatory: Document type code: identifies uniquely a document type. In this case POD (electronic proof of delivery)
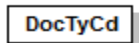
8.2.23 SDoc Input: Img

The Img (Image) section contains only the Img (image) field. Image of the document. Please note that this tag is only used in this service as the place where the ePOD image is returned. Not need to send it in the request.
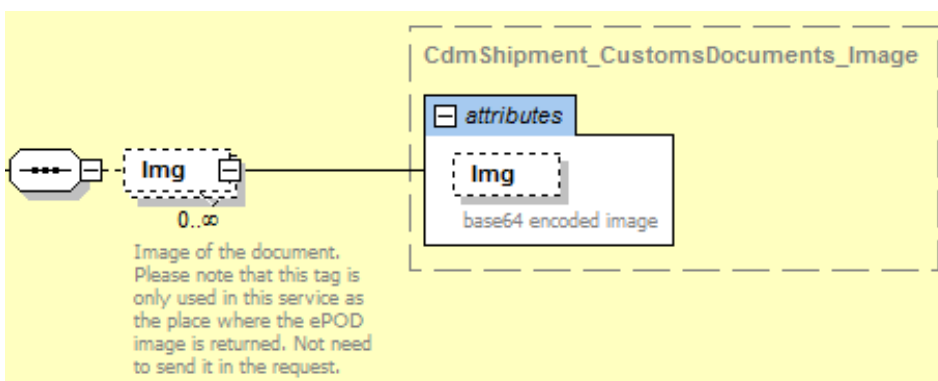
8.2.24   Bd Input: GenrcRq

The Generic Request GenrcRq) contains the type and value criteria of the request.
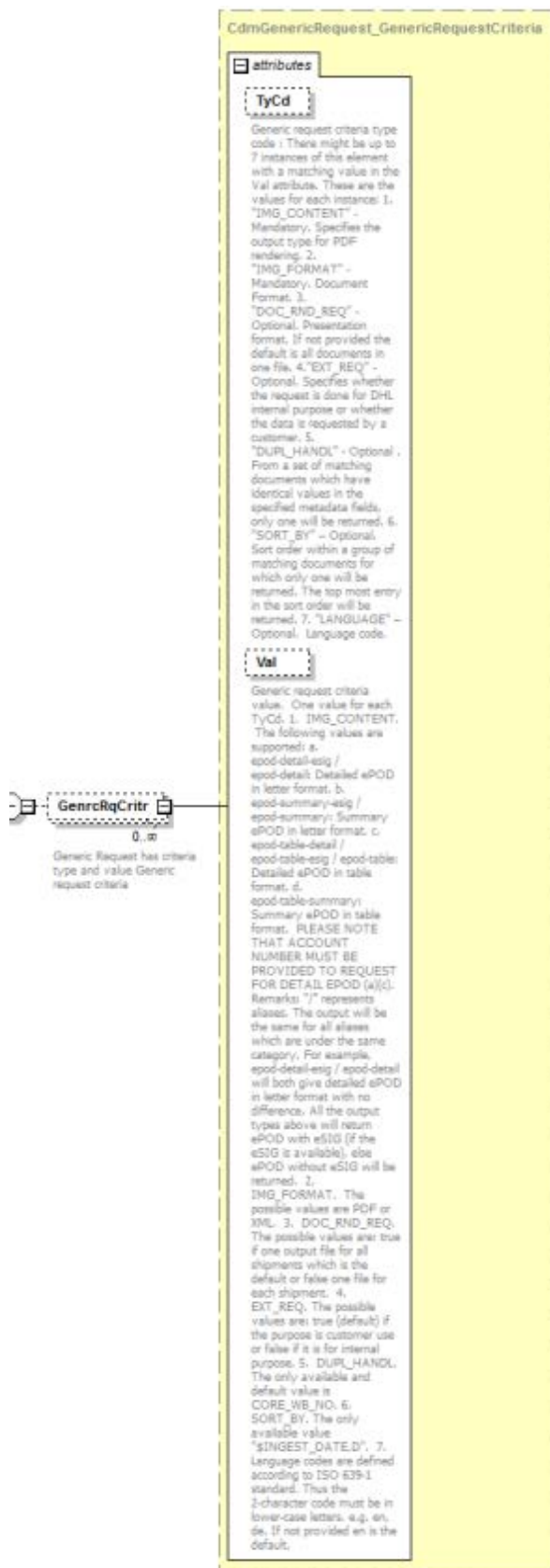
8.2.25 GenrcRq Input: TyCd

Generic request criteria type code : There might be up to 7 instances of this element with a matching value in the Val attribute. These are the values for each instance:

1. "IMG_CONTENT" - Mandatory. Specifies the output type for PDF rendering.

2. "IMG_FORMAT" - Mandatory. Document Format.

3. "DOC_RND_REQ" - Optional. Presentation format. If not provided the default is all documents in one file.

4. "EXT_REQ" - Optional. Specifies whether the request is done for DHL internal purpose or whether the data is requested by a customer.

5. "DUPL_HANDL" - Optional . From a set of matching documents which have identical values in the specified metadata fields, only one will be returned.

6. "SORT_BY" – Optional. Sort order within a group of matching documents for which only one will be returned. The top most entry in the sort order will be returned.

7. "LANGUAGE" – Optional. Language code.

8.2.26 GenrcRq Input: Val

Generic request criteria value. One value for each TyCd.

1. IMG_CONTENT. The following values are supported: a. epod-detail-esig / epod-detail: Detailed ePOD in letter format. b. epod-summary-esig / epod-summary: Summary ePOD in letter format. c. epod-table-detail / epod-table-esig / epod-table: Detailed ePOD in table format. d. epod-table-summary: Summary ePOD in table format.   PLEASE NOTE THAT ACCOUNT NUMBER MUST BE PROVIDED TO REQUEST FOR DETAIL EPOD (a)(c). Remarks: "/" represents aliases. The output will be the same for all aliases which are under the same category. For example, epod-detail-esig / epod-detail will both give detailed ePOD in letter format with no difference. All the output types above will return ePOD with eSIG (if the eSIG is available), else ePOD without eSIG will be returned.

2. IMG_FORMAT. The only possible value is PDF.

3. DOC_RND_REQ. The possible values are: true if one output file for all shipments which is the default or false one file for each shipment.

4. EXT_REQ. The possible values are: true (default) if the purpose is customer use or false if it is for internal purpose.

5. DUPL_HANDL. The only available and default value is CORE_WB_NO.

6. SORT_BY. The only available value "$INGEST_DATE,D".

7. Language codes are defined according to ISO 639-1 standard. Thus the 2-character code must be in lower-case letters. e.g. en, de. If not provided en is the default.

8.3   SHIPMENTDOCUMENTRETRIEVE-EPOD – INPUT FILED LIST

Shipment Document Retrieve fields	Mandatory /Optional	Value constraints	Comments
shipmentDocumentRetrieveReq			
./MSG			
./Hdr			
@Id	O	AN 30	Request Id
@Ver	O	AN 7	Use always this value: 1.038
@Dtm	O	DateTime	Format: 2013-04-07T23:59:59
@CorrId	O	AN 20	Correlation ID. This field is only used in the response. No need to send in the request.
./Sndr			
@AppCd	M	AN 5	Value: DCGAP
@AppNm	O	AN 20	Value: DCGAP
@CmptNm	O	AN 256	Your own unique system name
*./**Rcp** This section is not used in the request, only in the response.*			
./Bd			
./Ship(1:M)			
@Id	M	AN 35	Shipment Id (AWB)
./ShpTr(0:M)			
@PuDtm	O	DateTime	Pickup Date-Time: **We recommend not to enter the pick up date**. However, the format of the pickup date is 2012-01-31T00:00:00.
./SCDtl():M)			
@AccNo	O	AN 12	Account No: optional for summary ePOD, mandatory for detail ePOD. This includes 3 distinct request parameters: Filter by account number of a specific type (CRlTyCd) (1. payer - PY 2. receiver - RV 3. shipper - SP).
@CRlTyCd	O	AN 2	Customer role type code: This code identifies weather the above account number was used in the Payer, Receiver or Shipper Account field while creating the shipment.

|			The possible codes are PY=Payer, RV =Receiver, SP=Shipper – You only need to specify this field if you are requesting a detailed ePOD
@CtryCd	O	AN 2	Country code: this is optional for ePOD retrieval. This is the origin country code..The country code is a two-character code that uniquely identifies a country. The code should be aligned to the ISO (ISO 3166-1-alpha-2 code elements) standards or in certain circumstances created by DHL. Values are e.g. BE=Belgium FR=France XC=Curacao (Not ISO - part of Netherlands Antilles)
./ShpInDoc(1:M)			
./SDoc(1:M)			
@DocTyCd	M	AN3	Document type code: identifies uniquely a document type. Value = POD (electronic proof of delivery)
./GenrcRq(0:M)			
@ TyCd	O	AN12	Generic request criteria type code : There might be up to 7 instances of this element with a matching value in the Val attribute. These are the values for each instance: 1. "IMG_CONTENT" - Mandatory. Specifies the output type for PDF rendering. 2. "IMG_FORMAT" - Mandatory. Document Format. 3. "DOC_RND_REQ" - Optional. Presentation format. If not provided the default is all documents in one file. 4. "EXT_REQ" - Optional. Specifies whether the request is done for DHL internal purpose or whether the data is requested by a customer. 5. "DUPL_HANDL" - Optional . From a set of matching documents which have identical values in the specified metadata fields, only one will be returned. 6. "SORT_BY" – Optional. Sort order within a group of matching documents for which only one will be returned. The top most entry in the sort order will be returned. 7. "LANGUAGE" – Optional. Language code.
@Val	O	AN75	Generic request criteria value. One value for each TyCd. 1. IMG_CONTENT. The following values are supported: a. epod-detail-esig / epod-detail: Detailed

			ePOD in letter format. b. epod-summary-esig / epod-summary: Summary ePOD in letter format. c. epod-table-detail / epod-table-esig / epod-table: Detailed ePOD in table format. d. epod-table-summary: Summary ePOD in table format. PLEASE NOTE THAT ACCOUNT NUMBER MUST BE PROVIDED TO REQUEST FOR DETAIL EPOD (a)(c). Remarks: "/" represents aliases. The output will be the same for all aliases which are under the same category. For example, epod-detail-esig / epod-detail will both give detailed ePOD in letter format with no difference. All the output types above will return ePOD with eSIG (if the eSIG is available), else ePOD without eSIG will be returned. 2. IMG_FORMAT. The possible value is PDF. 3. DOC_RND_REQ. The possible values are: true if one output file for all shipments which is the default or false one file for each shipment. 4. EXT_REQ. The possible values are: true (default) if the purpose is customer use or false if it is for internal purpose. 5. DUPL_HANDL. The only available and default value is CORE_WB_NO. 6. SORT_BY. The only available value "$INGEST_DATE,D". 7. Language codes are defined according to ISO 639-1 standard. Thus the 2-character code must be in lower-case letters. e.g. en, de. If not provided en is the default.

8.4 SHIPMENTDOCUMENTRETRIEVE-EPOD – OUTPUT

The representation of each of the individual sections of shipmentDocumentRetrieve response is below in schema diagram, with context, and a detailed description of each field follows in the Output Field List.

8.4.1 Header (Hdr) Schema Diagram
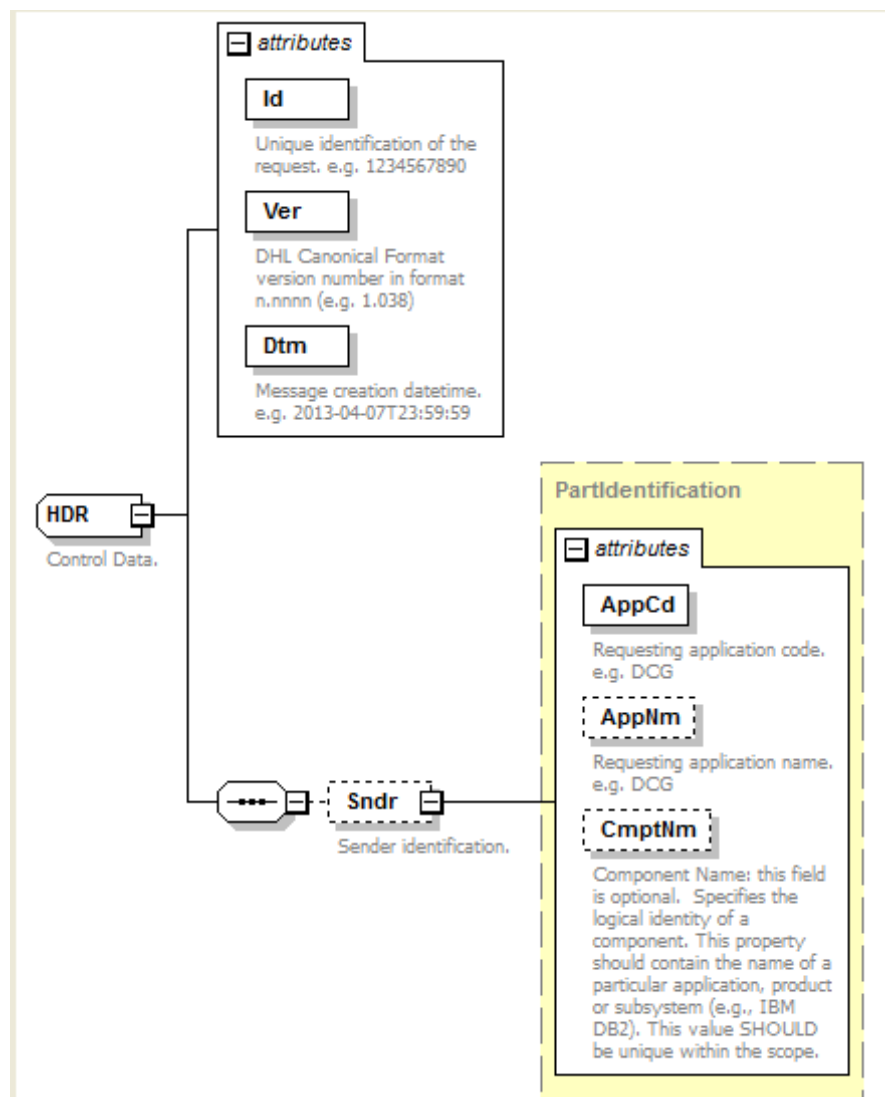
8.4.2 Header Output: Id

Unique identification of the response. e.g. 1234567890

8.4.3 Header Output: Ver

Version of the DHL canonical format. This is a value backend returns based on the canonical format version used. For example 1.038.
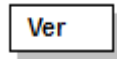
8.4.4 Header Output: Dtm

Response's date-time in the following format: **2013-04-07T23:59:59**

8.4.5 Header Output: Sndr

The Sndr section provides details about the response sender.
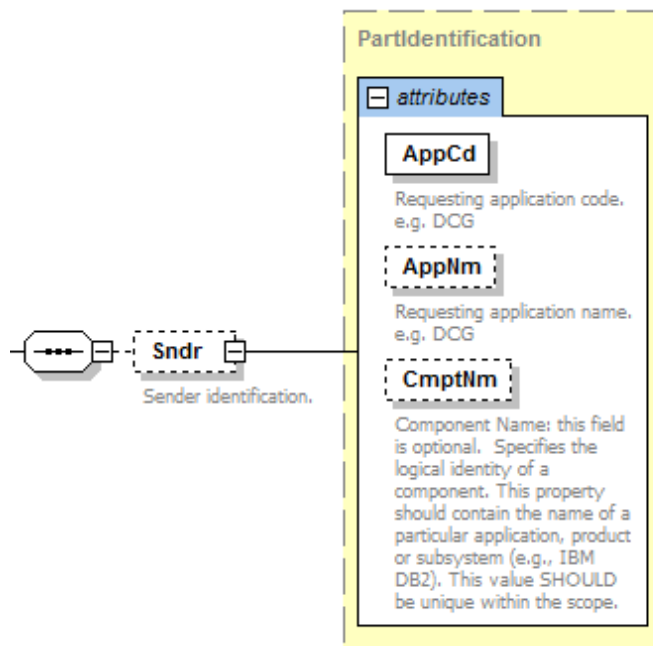
8.4.6 Header Output: AppCd

The AppCd identifies the application sending the response. In this case, the value is ESB.

8.4.7 Header Output: AppNm

The AppNm node contains the name of the responding application. The value is ESB.
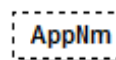
8.4.8 Bd Output: Shp Schema Diagram
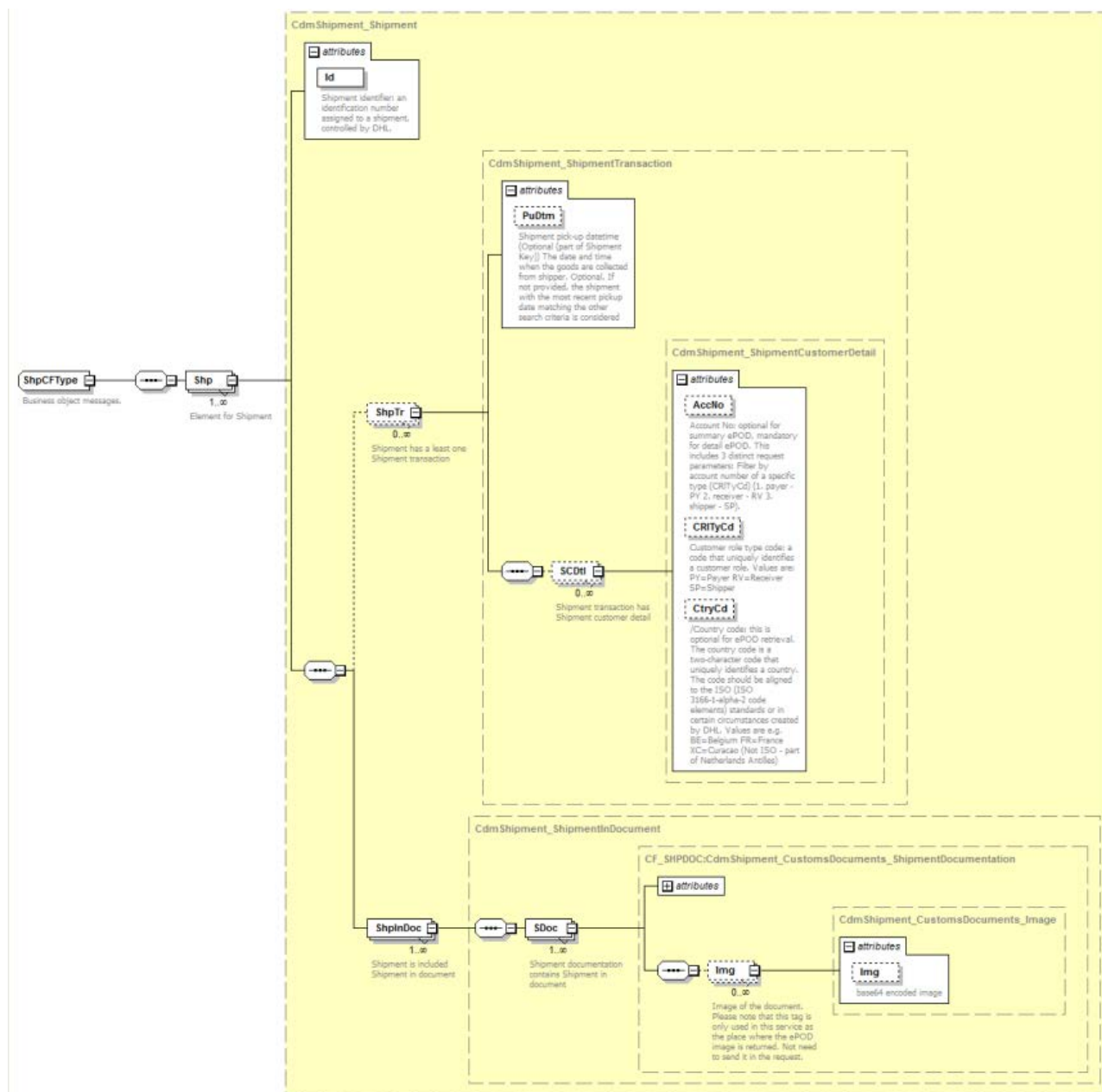
8.4.9 Shp Output: Id

Shipment identifier: This is not returned in the response.
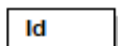
8.4.10   Shp Output: ShpTr

Nothing from ShpTr section is returned.
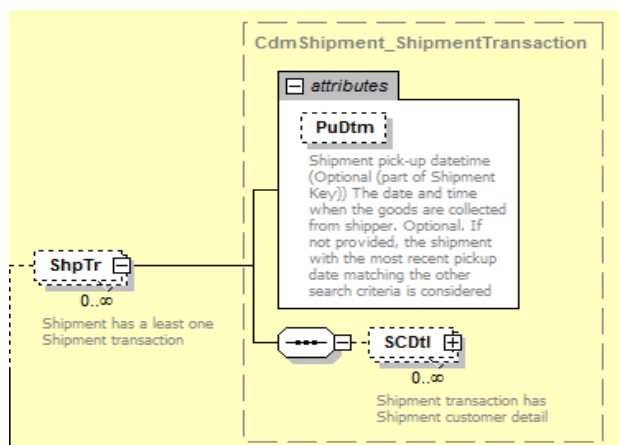
8.4.11   ShpTr Output: PuDtm

This is not returned.
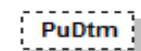
8.4.12   ShpTr Outtput: SCDtl

The SCDtl section contains shipment customer detail. This is not returned.
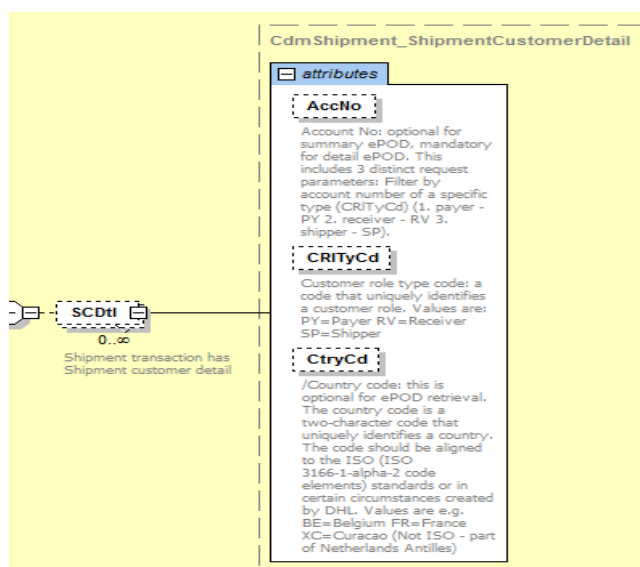
8.4.13   SCDtl Output: AcctNo

This is not returned.
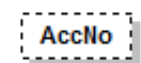
8.4.14   SCDtl Output: CRlTyCd

This is not returned.

8.4.15   SCDtl Output: CtryCd

This is not returned.

8.4.16   Shp Output: ShpInDoc

The ShpInDoc includes the SDoc(Shipment Documentation) section
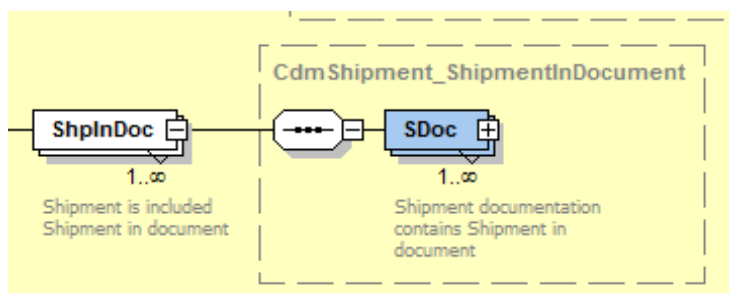
8.4.17   ShpInDoc Output: SDoc

SDoc contains shipment in document
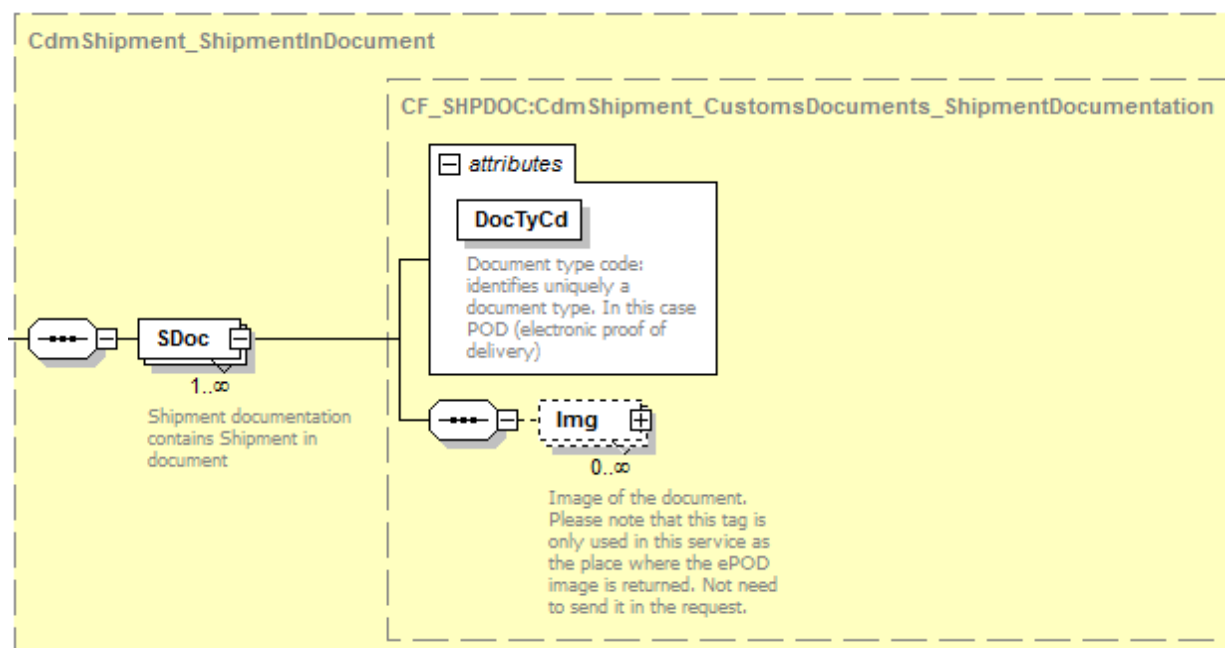
8.4.18   SDoc Output: DocTyCd

Document type code: Value returned is POD.

8.4.19 SDoc Output: Img

The Img (Image) section contains only the Img (image) field. Image of the document returned in a base64 encoded string. It also returns the ImgMimeTy with value = application/pdf
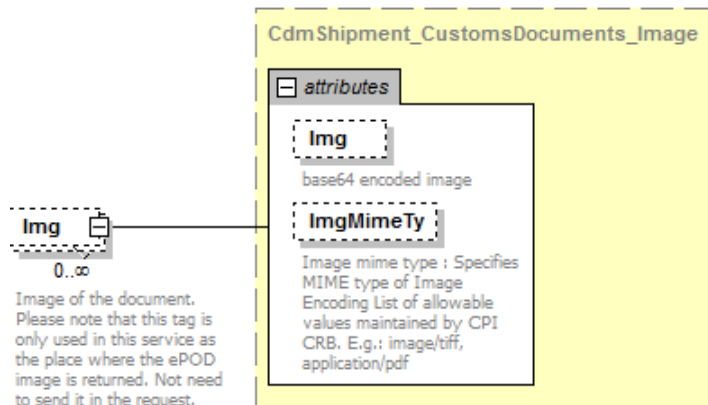
8.4.20 SDoc Output: ImgMimeTy

Image mime type : Specifies MIME type of Image. In this case the value is application/pdf.
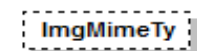
8.4.21 DatTrErr Output

The DatTrErr is where any messages generated during the process of the request are returned.
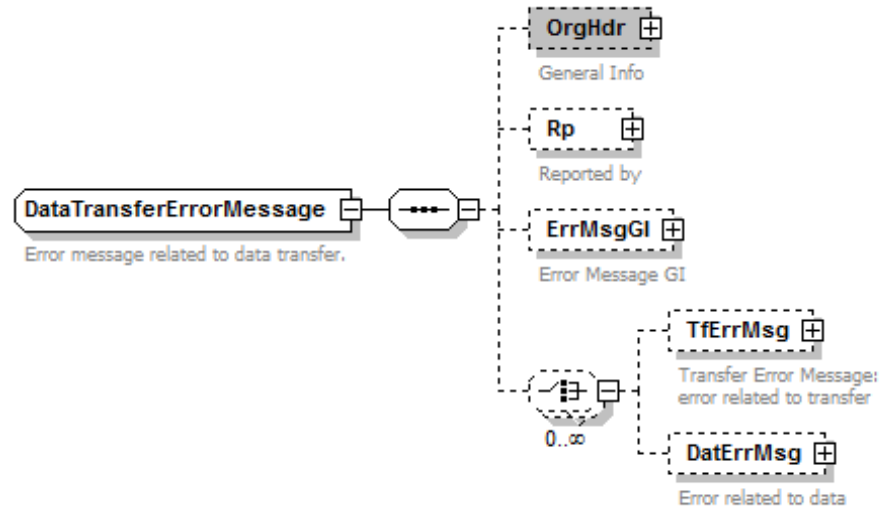
8.4.22   OrgHdr Output: Service

Even though this section has four attributes (Id, Ver, Dtm, and CorrId) and blocks Sndr and Rcp defined, the first three attributes return with null values. Only CorrId is returned.
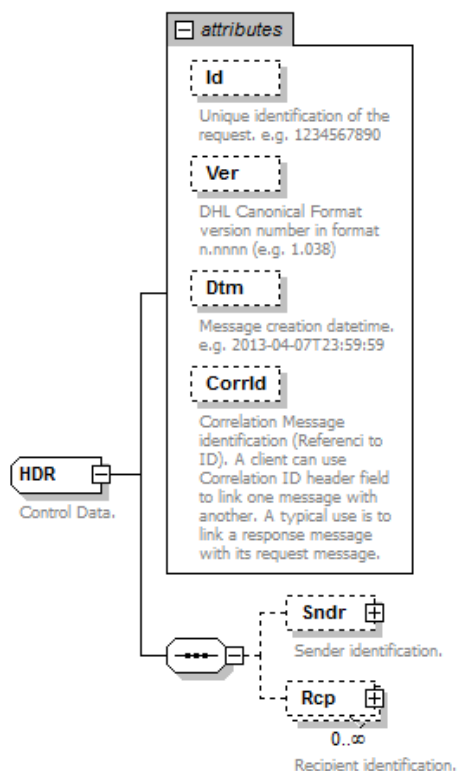
8.4.23   OrgHdr Output: CorrId

Correlation Message identification (Referenced to ID). In this case a unique number is returned(e.g.: 72563197).
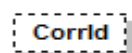
8.4.24   OrgHdr Output: Sndr

Sndr only returns fields AppNm and CmptNm with values "ESB" and "ESB"
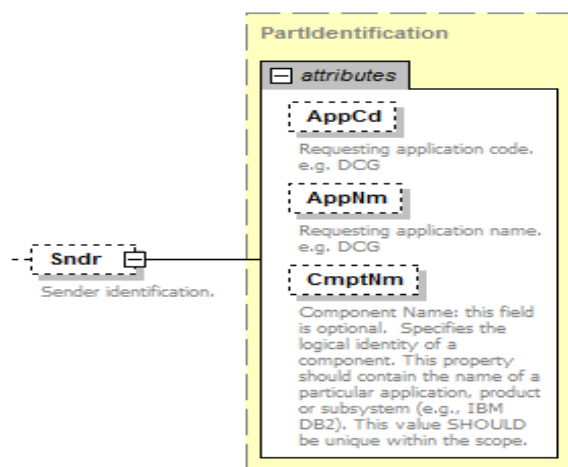
8.4.25 OrgHdr Output: Rcp

Rcp returns only AppNm and CmptNm with values "DCG" and "DCG".
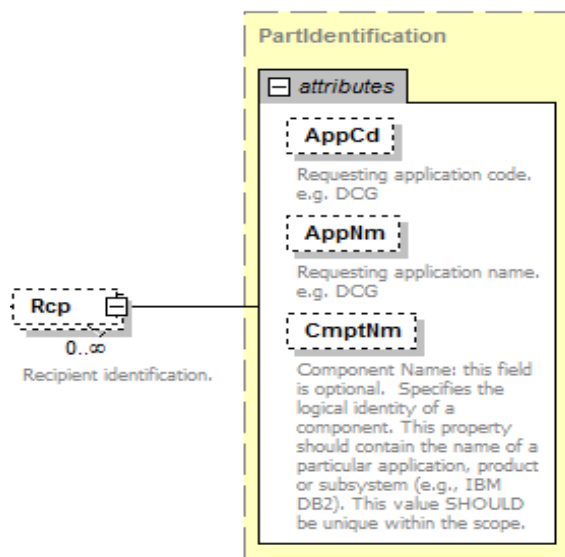
8.4.26 Rp Output

This section returns information about the backend service operation that processed the request. The below three attributes are returned.
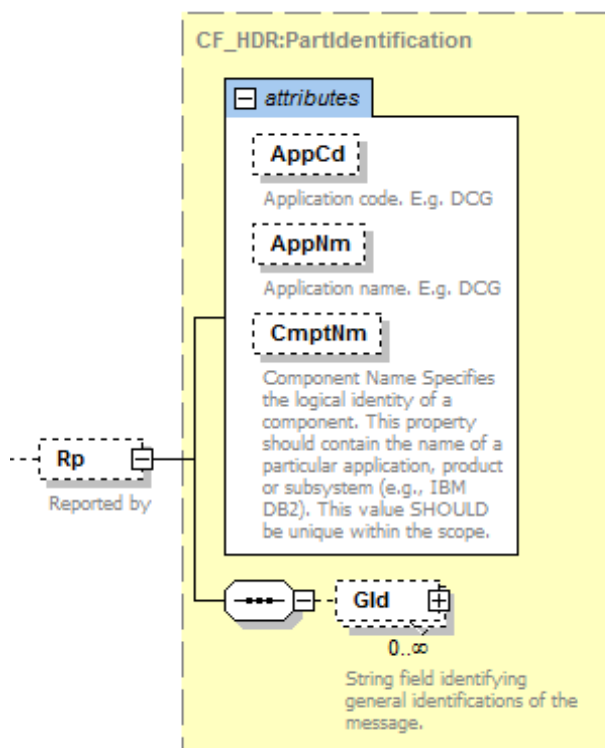
8.4.27 Rp Output: AppCd

Backend returns a null value in this field.

8.4.28   Rp Output: AppNm

Backend does not return this field.

8.4.29   Rp Output: CmptNm

Backend returns the name of the operation that processed the ePOD request. It will always be the value "DocumentManagement.ShipmentDocumentRetrieveProvider".

8.4.30   Rp Output:GId

General identification of the message. This is <mark>optional</mark> and might return two attributes: Id which is the message identification value and IdTp, which is the identification type.
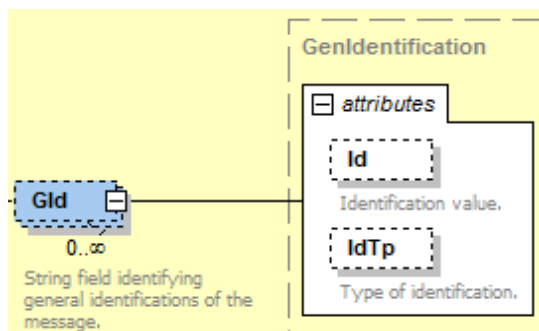
8.4.31   DatTrErr Output: ErrMsgGI

The error message general info (ErrMsgGI) returns attributes that provide information about messages generated by backend. For this service only returns three attributes: Ty, Pri, and Sev. Only those three attributes will be described below.
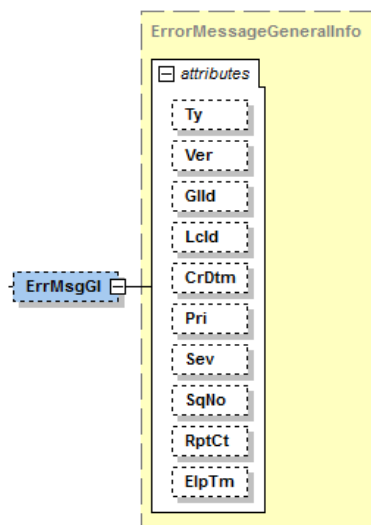
8.4.32   ErrMsgGI Output: Ty

Error message type identifier. The value will always be "CF".

8.4.33   ErrMsgGI Output: Pri

Priority defines the importance of the event. The backend operation will return a value of 2 for ePOD retrieval.

8.4.34   ErrMsgGI Output: Sev

Severity: the perceived severity of the status the event is describing with respect to the application that reports the event.

8.4.35   DatTrErr Output: TfErrMsg
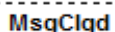
Transfer Error Message (TfErrMsg) returns any errors related to the transfer of the message.
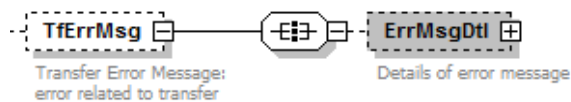
8.4.36   TfErrMsgOutput: ErrMsgDtl

This structure display the details of the error related to the transfer of the message. Usually Backend returns only MsgClgd and Dsc.
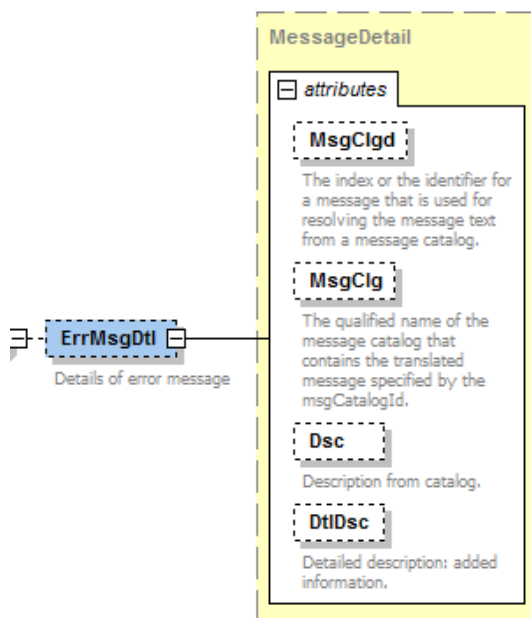
8.4.37   ErrMsgDtl Output:MsgClgd

The identifier for the error message. For example 100002.

8.4.38   ErrMsgDtl Output:MsgClg

The message name regarding the identifier MsgClgd

MsgClg

8.4.39   ErrMsgDtl Output:Dsc

The error message description

Dsc

8.4.40   ErrMsgDtl Output: DtlDsc

Additional details about the error message.

DtlDsc

8.4.41   DatTrErr Output: DatErrMsg

Data Error Message (DatErrMsg). Information about errors related to data.
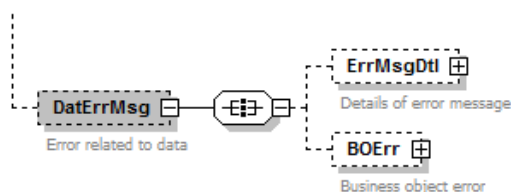
8.4.42   DatErrMsg Output:ErrMsgDtl

This structure display the details of the error related to the message data. Usually backend returns only MsgClgd and Dsc.
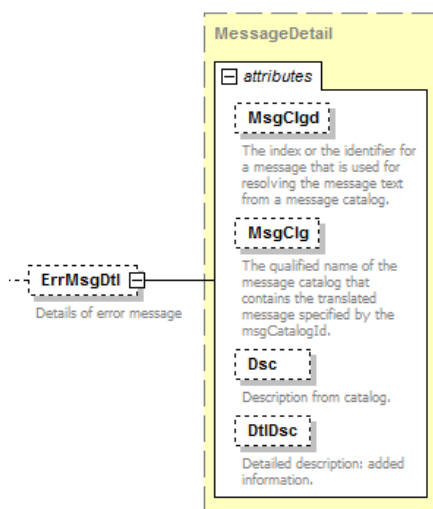
8.4.43   ErrMsgDtl Output:MsgClgd

The identifier for the error message. For example 100002.

MsgClgd

8.4.44   ErrMsgDtl Output:MsgClg

The message name regarding the identifier MsgClgd

8.4.45   ErrMsgDtl Output:Dsc

The error message description

8.4.46   ErrMsgDtl Output: DtlDsc

Additional details about the error message.

8.4.47   DatErrMsg Output:BOErr

Backend returns error messages when mandatory fields are missing. The error message will be in the section FldErr.
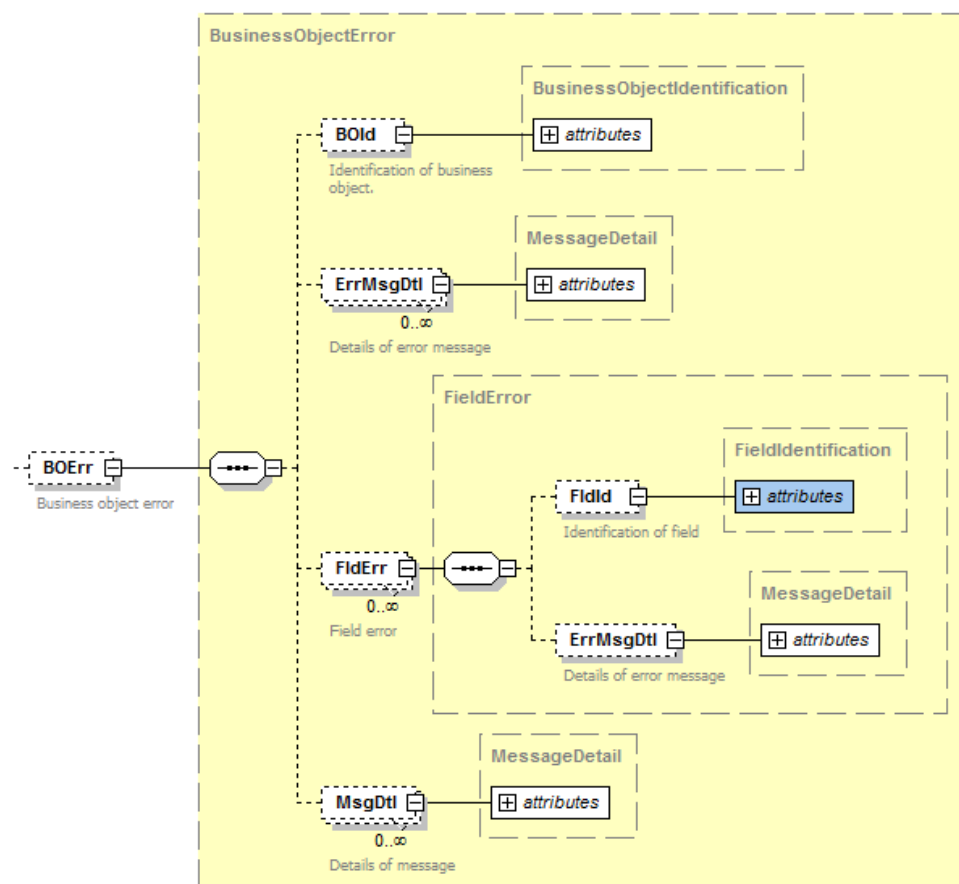
8.4.48   BOErr Output: FldErr

Errors related to mandatory missing fields:
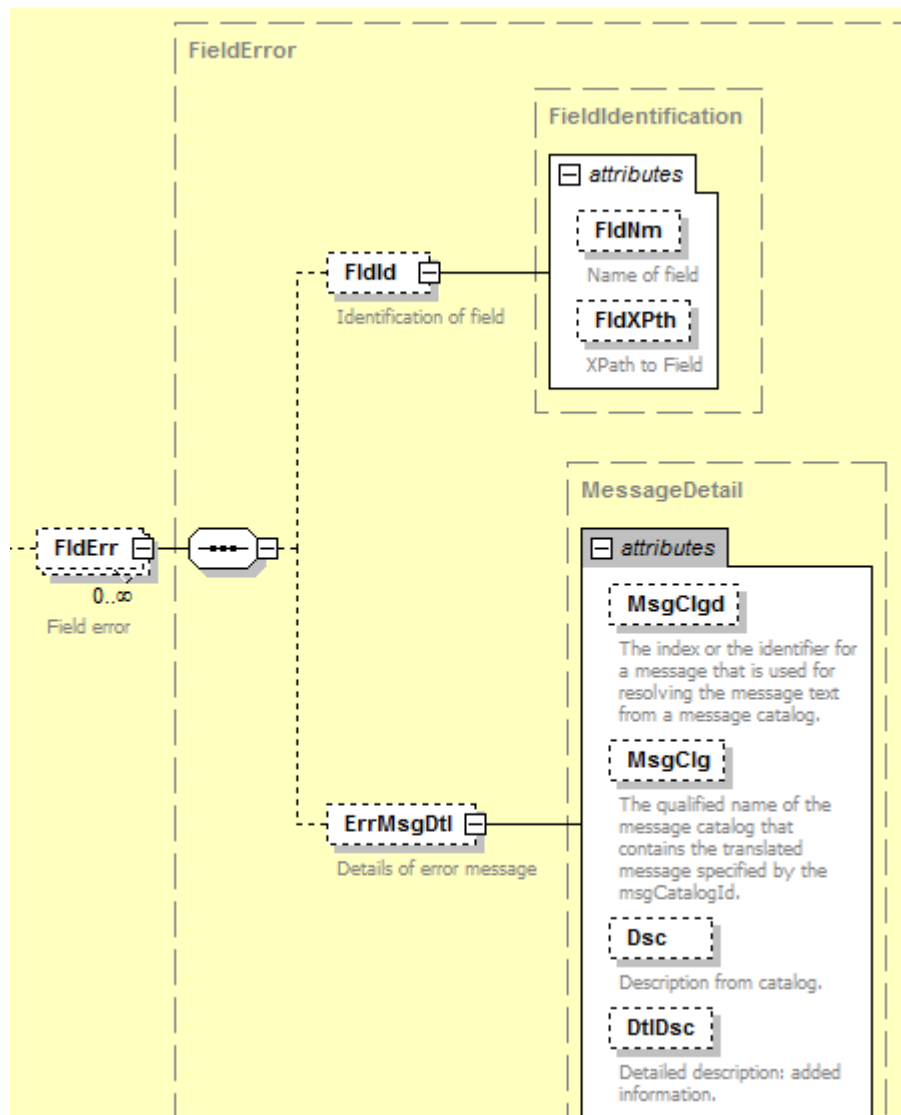
8.4.49   FldErr Output: FldId

This structure returns FldXPth with the Xpath of the field that is missing, for example: <FldId FldXPth="/ns:MSG/Bd/Shp/ShpInDoc/Sdoc@DocTyCd"/>

8.4.50   FldErr Output: ErrMsgDtl

ErrMsgDtl returns the field Dsc with the description of the missing field, for example: <ErrMsgDtl Dsc="DocTyCd is not set"/>

8.5   DOCUMENTRETRIEVE-EPOD – OUTPUT FIELD LIST

Shipment Document Retrieve fields	Mandatory /Optional	Value constraints	Comments
shipmentDocumentRetrieveResp			
./MSG			
./Hdr			
@Id	M	AN 30	Response Id
@Ver	M	AN 7	Version of the response schema used: e.g.: 1.038
@Dtm	M	DateTime	Date-time when the response was created. Format: 2013-04-07T23:59:59
./Sndr			
@AppCd	M	AN 5	Value: ESB
@AppNm	O	AN 20	Possible values ESB
@CmptNm	O	AN 256	This field is not returned.
./Bd			
./Ship(1:M)			
@Id	M	AN 35	Shipment Id (AWB). Even though it is defined as mandatory in the schema, the field is returned with an empty value.
./ShpTr(0:M) Nothing from this section is returned			
@PuDtm	O	DateTime	Pickup Date-Time (Not returned)
./SCDtl():M)			
@AccNo	O	AN 12	Account No: optional for summary ePOD, mandatory for detail ePOD. This includes 3 distinct request parameters: Filter by account number of a specific type (CRITyCd) (1. payer - PY 2. receiver - RV 3. shipper - SP). (NOT RETURNED)
@CRlTyCd	O	AN 2	Customer role type code: a code that uniquely identifies a customer role. Values are: PY=Payer RV=Receiver SP=Shipper. (NOT RETURNED)
@CtryCd	O	AN 2	/Country code: this is optional for ePOD retrieval. The country code is a

			two-character code that uniquely identifies a country. The code should be aligned to the ISO (ISO 3166-1-alpha-2 code elements) standards or in certain circumstances created by DHL. Values are e.g. BE=Belgium FR=France XC=Curacao (Not ISO - part of Netherlands Antilles) (NOT RETURNED)
./ShpInDoc(1:M)			
./SDoc(1:M)			
@DocTyCd	M	AN 3	Document type code: Value returned: POD (electronic proof of delivery)
./Img (0:M)			
@Img	O	Base64Binary	Base64 encoded image
./DatTrErr(0:M)			
./OrgHdr(0:1)			
@Id	M	AN 20	Unique identifier of the response. In this case the field is returned with an empty value
@Ver	M	AN 7	Version schema format. Service returns null value in this field.
@Dtm	M	DateTime	Response creation date-time. Service returns null value in this field.
./Sndr(0:1) The service does not return anything from this section			
@AppCd	M	AN 5	This field is not returned.
@AppNm	O	AN 20	This field is not returned.
@CmptNm	O	AN 256	This field is not returned.
./Rp(0:1)			
@AppCd	M	AN 5	The service returns a null value in this field.
@AppNm	O	AN 20	The service does not return this field.
@CmptNm	O	AN 256	The service returns value "DocumentManagement.ShipmentDocumentRetrieveProvider"
./ErrMsgGl(0:1) Only 3 fields from this section sometimes are returned			
@Ty	O	AN 20	Error message type identifier: e.g.:CF
@Pri	O	NUMBER	Priority:e.g.:2

@Sev	O	NUMBER	Severity: e.g.: 10
./TfErrMsg(0:M)			
./ ErrMsgDtl(0:1)			
@ MsgClgd	O	AN 128	Error message identifier. For example: 100000
@ MsgClg	O	AN 128	The message name regarding the identifier MsgClgd. For example: IPESB
@Dsc	O	AN 128	The error message description.
@ DtlDsc	O	AN 128	Additional details about the error message.
./ DatErrMsg (0:M)			
./ ErrMsgDtl(0:1)			
@ MsgClgd	O	AN 128	Error message identifier. For example: 100000
@ MsgClg	O	AN 128	The message name regarding the identifier MsgClgd. For example: IPESB
@Dsc	O	AN 128	The error message description.
@ DtlDsc	O	AN 128	Additional details about the error message.
./ BOErr (0:1)			
./FldErr(0:M)			
./FldId(0:1)			
@ FldXPth	O	AN 512	This structure returns FldXPth with the Xpath of the field that is missing, for example: <FldId FldXPth="/ns:MSG/Bd/Shp/ShpInDoc/Sdoc@DocTyCd"/>
./ ErrMsgDtl(0:1)			
@ Dsc	O	AN 128	ErrMsgDtl returns the field Dsc with the description of the missing field, for example: <ErrMsgDtl Dsc="DocTyCd is not set"/>

9. UPDATESHIPMENT

9.1 UPDATESHIPMENT - DESCRIPTION

The updateShipment request allows for additional pieces to be added to a previously created shipment that has not been picked up by DHL Express/had a scan against it. As an example a shipment was created for customer A in the morning however 2 hours later customer A has ordered something else and instead of creating two independent shipments to Customer A, you can use the updateShipment service to search for your previous shipment and add the additional pieces to it.

The updateShipment request also allows for upload and reupload of PLT images to a previously created shipment. Customer can create any PLT shipment using the ShipmentRequest service without uploading any PLT images (PaperlessTradeEnabled= false). The PLT images for the shipment can be reuploaded before it reached the custom clearance. However, the original shipment must contain WY as the special service otherwise, an error will be returned when the customer wants to use the reupload function in this updateShipment service.

As an output you will receive either the additional transport labels only or you can request all the labels to be printed – this allows flexibility based on your operational processes when labelling the parcels.

IMPORTANT: Please note that at least **10mins** must be given between the initial createShipment request and then the updateShipment request (including subsequent updateShipment request). This is to ensure that the shipment data has propagated into the DHL Operations backend and that MyDHL API retrieves the current number of pieces back to provide an operationally correct Transport Label.

9.2 UPDATESHIPMENT - INPUT

The following diagram shows an overview of the request input structure.

9.2.1   updateShipment Schema Diagram

Each of the individual sections of updateShipment is shown below in schema diagram, with context, and a detailed description of each field follows in the Input Field List.
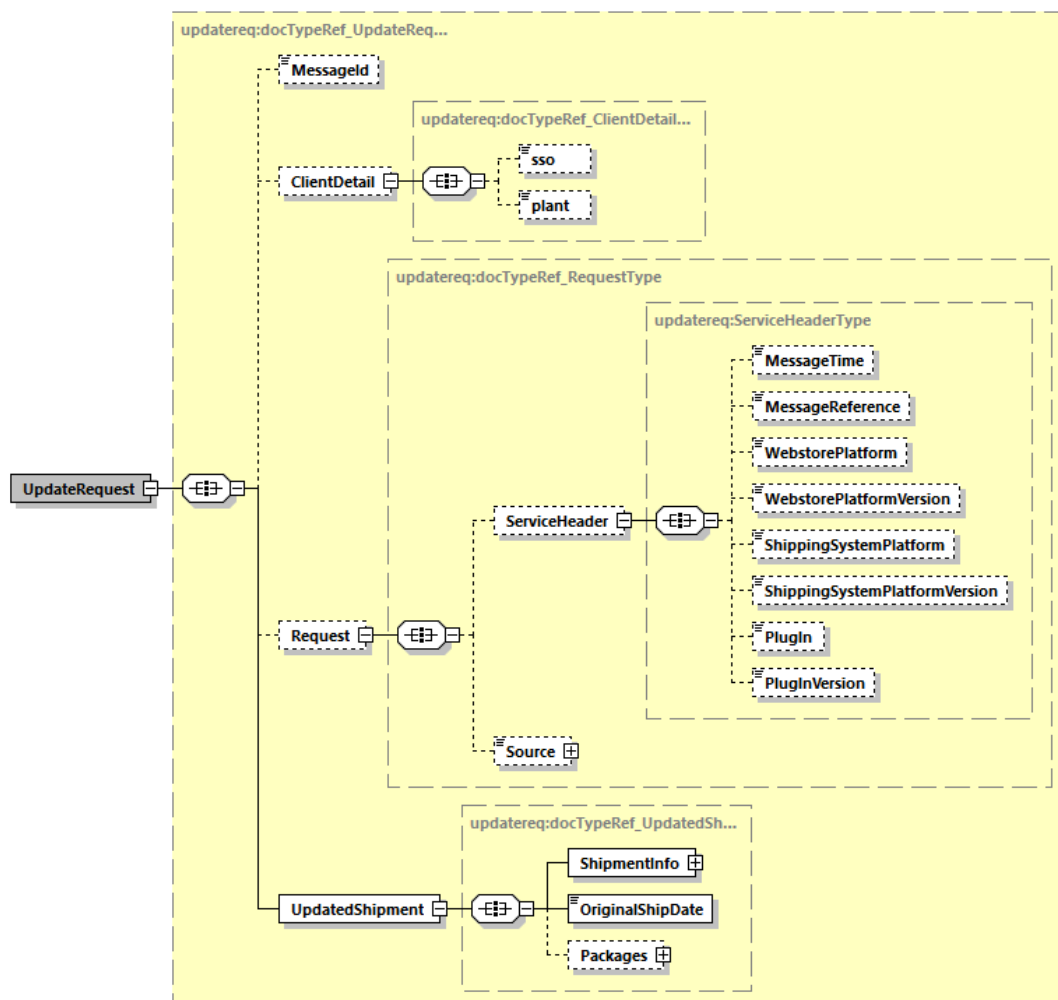
9.2.2   updateShipment Input: ShipmentInfo

The ShipmentInfo section are in essence the search parameters of the previously created shipment in DHL's database to be able to add the additional packages that will be declared in the segment below. The search criteria is by providing the Account number used (this is either from the Account tag or the Billing section Account in the original ShipmentRequest service), the ServiceType (product), Shipment Date (based on ShipTimestamp, format YYYY-mm-dd) and the ShipmentIdentificationNumber (Waybill).

In addition you can optionally define the label/archive template and label type in the request. To give full operational flexibility you can decide whether you wish to print all labels including the previous generated ones or only the new additional labels for the additional pieces that are being added.
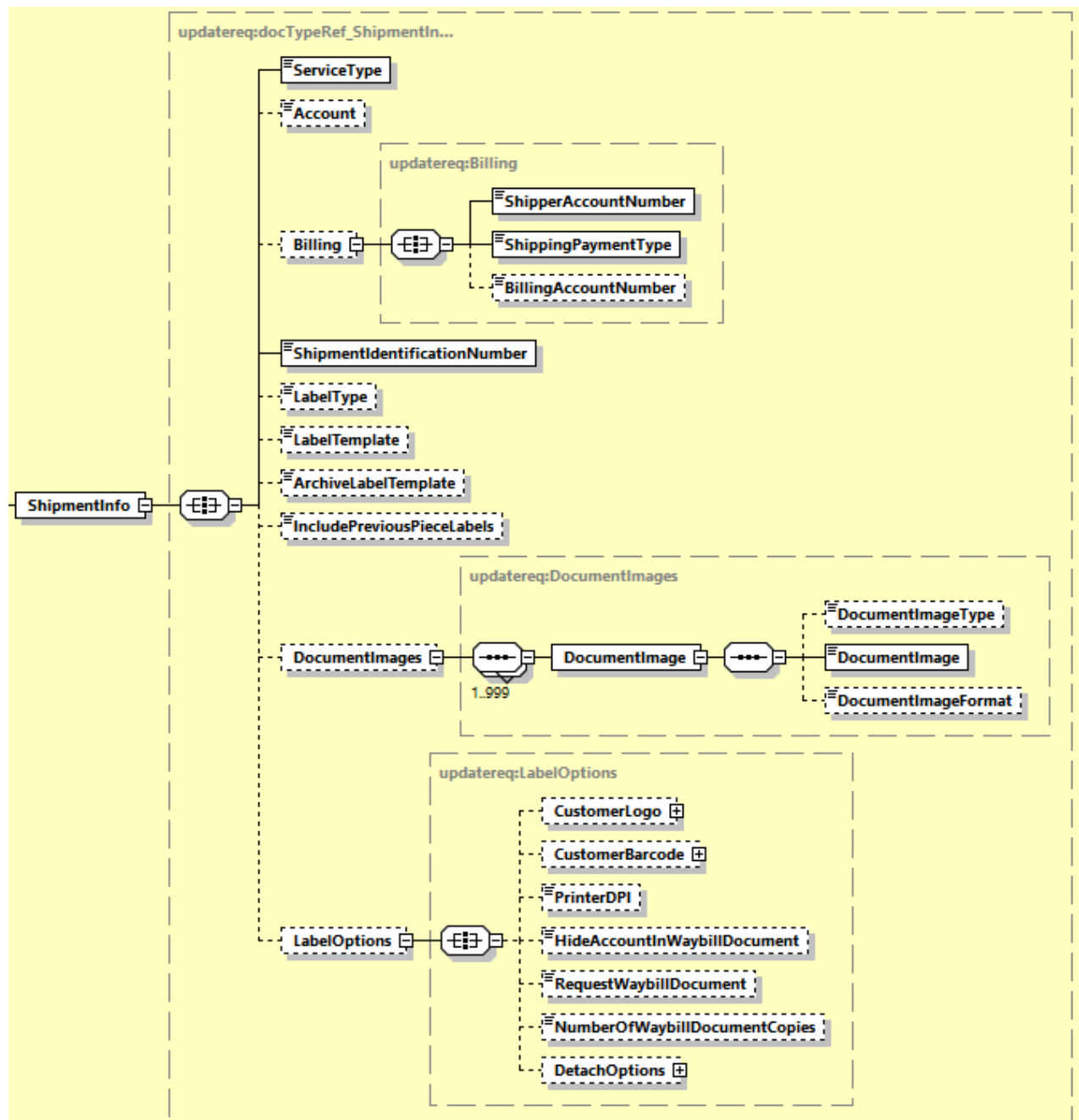
9.2.3 updateShipment Input: DocumentImages

The DocumentImages section is to provide customers the option to upload PLT images. This element enable customers to upload multiple PLT images. If this DocumentImages section and the Packages section is both provided in the request message, an error will be returned. Both of this field must be used separately.

There are 3 children element under this section.
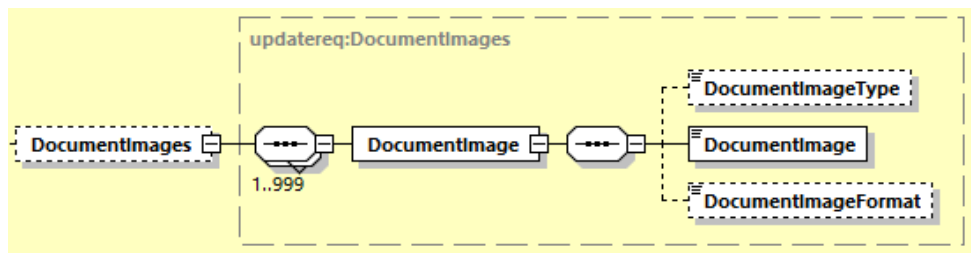
- DocumentImageType – the type of document image uploaded, the default value for this field is 'INV'

- DocumentImage – the image of the document

- DocumentImageFormat – the format of the document image

If the DocumentImages section and the Packages section is both provided in the request message, an error will be returned. This

9.2.4 updateShipment Input: RequestWaybillDocument

The RequestWaybillDocument element provide option to the customer to print or not to print the waybill document. The default value of this field is N, which is only print the waybill document for all dutiable shipment. If the value is set to Y, MyDHL API will print for waybill document for all shipments including non-dutiable and dutiable shipment.

- If the shipment is Dutiable, and RequestWaybillDocument is not provided in request, the default will be print the waybill document

- If the shipment is Non-Dutiable, and RequestWaybillDocument is not provided in request, the default will be NOT printing the waybill document.

- If RequestWaybillDocument is set as N, the waybill document is not printed.

9.2.5 updateShipment Input: DetachOptions

DetachOption section is to provide the customer flexibility on the label files received in response. There are 2 children element under this section.
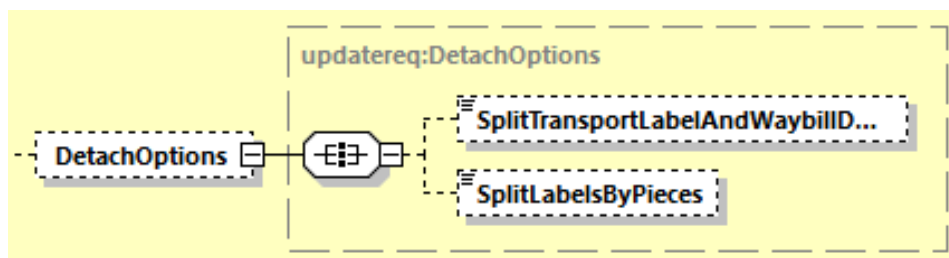
- SplitTransportLabelAndWaybillDocument – the default value is N where both transport label and waybill document are in single file. If the value is set as Y, the transport label and waybill document will be provided as separate PDF/thermal files in the response.

- SplitLabelsByPieces – the default value is N, where piece labels will be in a single file. If the value is set as Y, the transport label will be separated as one file per piece.

9.2.6 updateShipment Input: Packages

The Packages section details the contents of individual pieces (or discrete shipping containers) within the shipment. The minimum number of packages or pieces in a shipment is one and the upper limit is 99. If this Packages section and the DocumentImages section is both provided in the request message, an error will be returned. Both of this field must be used separately.

The Weight and Dimensions fields represent the weight and dims of the individual pieces.
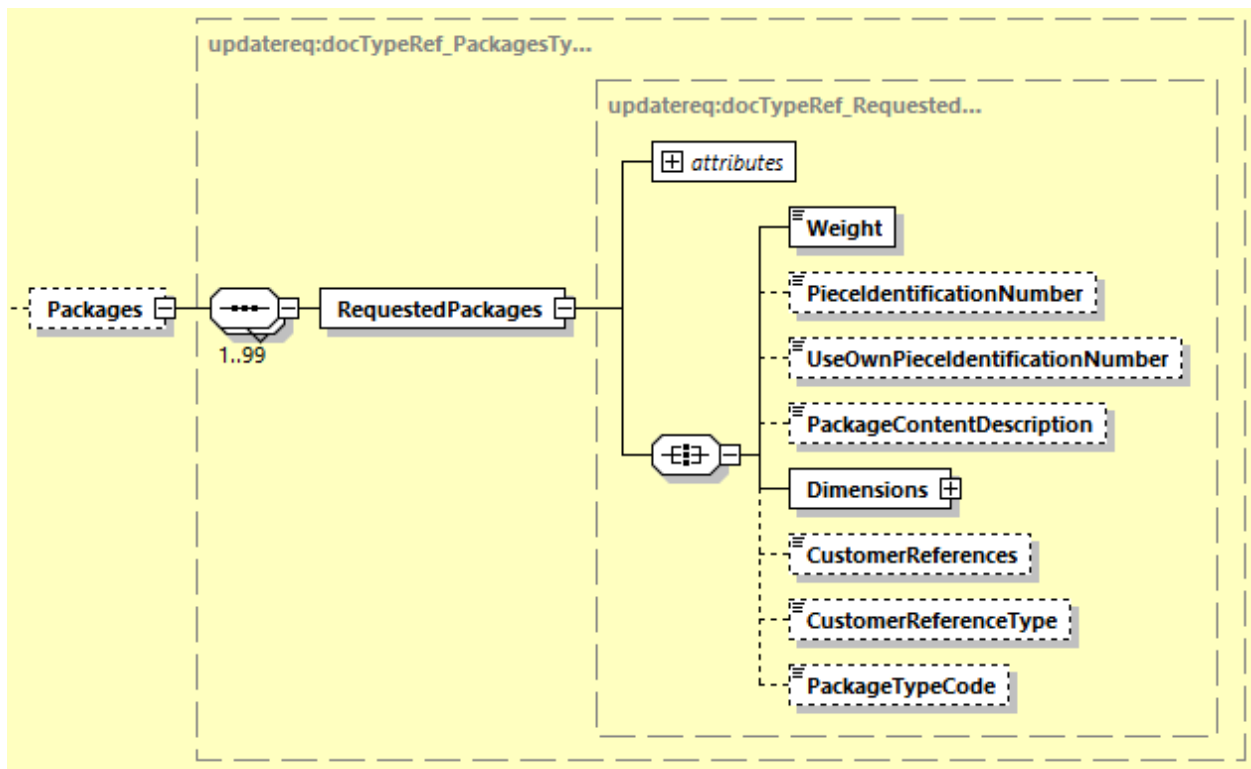
9.3   UPDATE SHIPMENT REQUEST – INPUT FIELD LIST

Update Shipment Request fields	M/O	Values or Constraints	Comments
UpdateRequest			
UpdateRequest/ClientDetail			
sso	O		This field is for internal use only
plant	O		This field is for internal use only
UpdateRequest/Request			
UpdateRequest/Request/ServiceHeader			
MessageTime	O	Timestamp	Format: YYYY-MM-DD(T)hh:mm:ss-Time Zone
MessageReference	O	AN 36	Message reference, between 28-36 characters in length.
WebstorePlatform	O	AN 20	Reserved for Third Party Vendors identification
WebstorePlatformVersion	O	AN 15	Reserved for Third Party Vendors identification
ShippingSystemPlatform	O	AN 20	Reserved for Third Party Vendors identification
ShippingSystemPlatformVersion	O	AN 15	Reserved for Third Party Vendors identification
PlugIn	O	AN 20	Reserved for Third Party Vendors identification
PlugInVersion	O	AN 15	Reserved for Third Party Vendors identification
UpdateRequest/UpdatedShipment			
OriginalShipDate	M	YYYY-mm-dd	Has to match with ShipmentTimestamp from createShipment (only the date part) Example (2017-11-15)
UpdateRequest/UpdatedShipment/ShipmentInfo			
ServiceType	M	AN 3	The shipping product requested for this shipment, corresponding to the DHL Global Product codes.

Account	M/O	AN 12	The customer account to be used as payer in the request. If the <Account> tag is used then there is no need to populate the Billing section further down below in this table as the <Account> tag will override any other accounts entered. However if you do wish to charge your shipment to a third party or receiver then please leave the ACCOUNT section out and populate the Billing section below
ShipmentIdentificationNumber	M	Token	Please provide the Shipment Identification Number (Waybill) of the shipment you wish to update.
LabelType	O	AN 3	Possible values: - PDF - ZPL - EPL - LP2
LabelTemplate	O	AN 20	Any valid DHL Express label template (please contact your DHL Express IT representative for a list of labels) – If this node is left blank then the default DHL ecommerce label template will be used.
ArchiveLabelTemplate	O	AN 20	Any valid DHL Express archive label template (please contact your DHL Express IT representative for a list of labels) – If this node is left blank then the default DHL ecommerce label template will be used.
IncludePreviousPieceLabels	O	AN1	Y or 1= All previously pieces/packages will be included when the label image is returned N or 0 = The previous pieces/packages will not be included when the label image is returned – only the new pieces will be provided This field is mandatory if < Packages> is provided in the request.

UpdateRequest/UpdatedShipment/ShipmentInfo/Billing			
ShipperAccountNumber	M	AN 12	The DHL account number used for the shipment. Used as the shipper account number. Please note if you use this billing section then the above <Account> tag is not needed. <ShipperAccountNumber> is mandatory then. *Please note if you did declare the <Account> section above then the account number within will overwrite the entire Billing section.*
ShippingPaymentType	M	AN 1	Possible values: - S (use ShipperAccountNumber as payer) - R (use BillingAccountNumber as bill-to receiver account number) - T (use BillingAccountNumber as bill-to third party account number) Please note if you use value R or T in this tag then the next tag <BillingAccountNumber> is also mandatory
BillingAccountNumber	O	AN 12	The DHL account number used for the shipment, if ShippingPaymentType is equal to R or T.
UpdateRequest/UpdatedShipment/ShipmentInfo/DocumentImages			
UpdateRequest/UpdatedShipment/ShipmentInfo/DocumentImages/DocumentImage (0:999)			
DocumentImageType	O	AN 3	Possible values; - INV, Invoice - PNV, Proforma - COO, Certificate of Origin - NAF, Nafta Certificate of Origin - CIN, Commercial Invoice - DCL, Custom Declaration - AWB, Air Waybill and Waybill Document
DocumentImage	M	Base64	The document image
DocumentImageFormat	O	AN 5	Possible values; - PDF - PNG - TIFF - GIF - JPEG

UpdateRequest/UpdatedShipment/ShipmentInfo/LabelOptions			
PrinterDPI	O	"200" , "300"	Resolution for X-axis and Y-axis (in DPI) for transport label and waybill document output
HideAccountInWaybillDocument	O	AN 1	Hide account number in waybill document. Possible values : - 'Y', account number will NOT be printed on the label - 'N', account number will be printed on the label (Default)
RequestWaybillDocument	O	AN 1	Possible values : - 'Y', waybill document will be returned in shipment response - 'N', waybill document will NOT be returned in shipment response (Default)
NumberOfWaybillDocCopies	O	INT 2	Number of copies of Waybill document printout to be generated and returned in shipment response
UpdateRequest/UpdatedShipment/ShipmentInfo/LabelOptions/CustomerLogo			
LogoImage	M	Base64	The customer logo image
LogoImageFormat	M	Enumerated	Possible values; - PNG - GIF - JPEG - JPG
UpdateRequest/UpdatedShipment/ShipmentInfo/LabelOptions/CustomerBarcode **(CustomerBarcode is only applicable when LabelTemplate='ECOM26_84CI_002')**			
BarcodeType	O	N/A	The customer barcode type. The first barcode code type valid value is 93, 39 or 128.
BarcodeContent	O	AN	Customer barcode code content
TextBelowBarcode	M/O	AN	Customer barcode text below the barcode. This field is mandatory if BarcodeType is provided.
UpdateRequest/UpdatedShipment/ShipmentInfo/LabelOptions/DetachOptions			
SplitTransportLabelAndWaybillDocument	O	AN 1	Single PDF or thermal output file consists of Transport Label and single PDF or thermal output file for Waybill Document.

			Possible values; - Y, Transport Label and Waybill Document is printed in separate PDF or thermal output file. - N, Transport Label and Waybill Document is printed in a single PDF or thermal output file. (Default)
SplitLabelByPieces	O	AN 1	Single PDF or thermal output file for each pieces in Transport Label, and Single PDF or thermal output file for Waybill Document. Possible values; - Y, the transport label will be separated as one file per piece. - N, piece labels will be in a single file. (Default)
UpdateRequest/UpdatedShipment/Packages			
UpdateRequest/UpdatedShipment/Packages/RequestedPackages (1:99)			
@number	M	Integer	Running number of the packages.
Weight	M	12.3 D	The weight of the package.
UseOwnPieceIdentificationNumber	O	AN 1	Y = allows you to define your own PieceID in the tag below N = Auto-allocates the PieceID from DHL Express You can request your own Piece ID range from your DHL Express IT consultant and store these locally in your integration however this is not needed as if you leave this tag then DHL will automatically assign the piece ID centrally. In addition this special function needs to be enabled for your username by your DHL Express IT Consultant.
PieceIdentificationNumber	O	AN35	You can request your own Piece ID range from your DHL Express IT consultant and store these locally in your integration however this is not needed as if you leave this tag then DHL will automatically assign the piece ID centrally.

			If you wish to use this function then the above tag UseOwnPieceIdentificationNumber needs to be set as Y or 1
PackageContentDescription	O	AN70	This optional field allows you to provide the content description on a piece level instead of Shipment level.
CustomerReferences	O	AN 35	Customer Reference for the piece.
CustomerReferenceType	O	AN 3	Piece Reference Type
PackageTypeCode	O	AN 3	Global Package Type Valid enumeration; - 3BX - 2BC - 2BP - CE1 - 7BX - 6BX - 4BX - 2BX - 1CE - WB1 - WB3 - XPD - 8BX - 5BX - WB6 - TBL - TBS - WB2
UpdateRequest/UpdatedShipment/Packages/RequestedPackages/Dimensions			
Length	M	5.1 D >=0.5	Length of the piece listed.
Width	M	5.1 D >=0.5	Width of the piece listed.
Height	M	5.1 D >=0.5	Height of the piece listed.

9.4   UPDATESHIPMENT - OUTPUT

The following diagram shows an overview of the shipment response structure. The critical information to derive from this response are the notification codes for the response, the shipment and piece identifiers returned and the encoded label image.

9.4.1   updateShipmentResponse Schema Diagram

Each of the individual sections of ShipmentResponse is shown below in schema diagram, with context, and a detailed description of each field follows in the Output Field List.
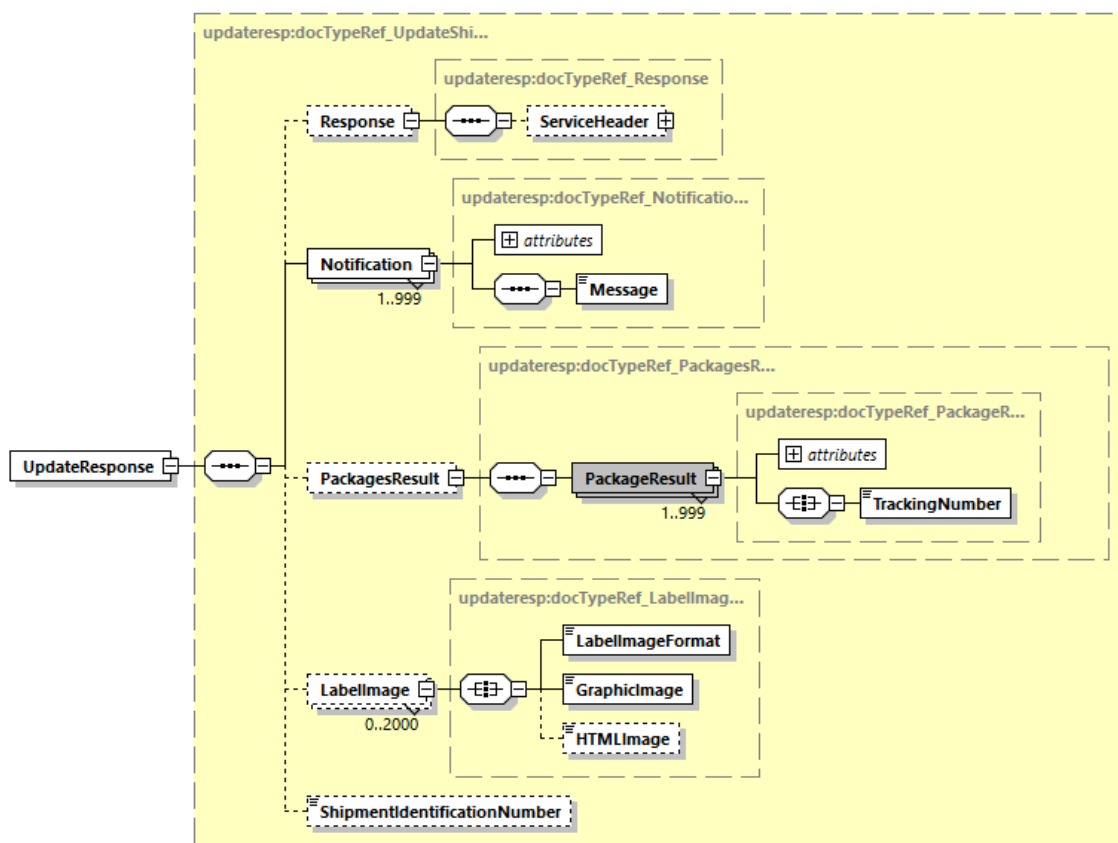
9.4.2   updateShipmentResponse Output: ServiceHeader

The ServiceHeader structure includes MessageReference which is taken from the request as well as MessageTime showing when the request has been processed on DHL side. This is only available in response when Request/ServiceHeader is present in request.
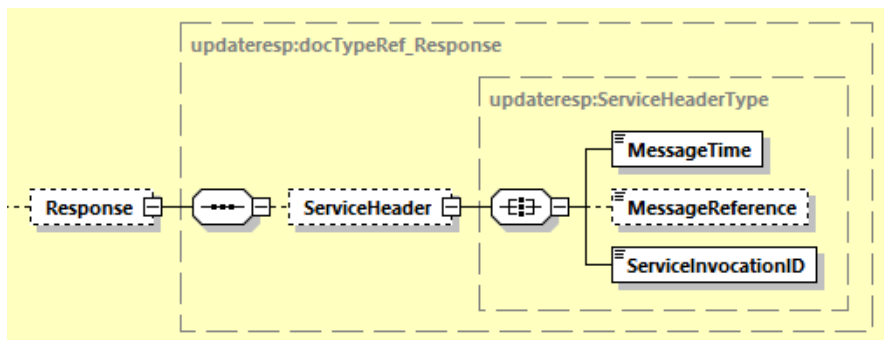
9.4.3 updateShipmentResponse Output: Notification

The Notification structure includes the result code and message, based on the results of the processing. Successful messages will include a zero error code and no corresponding message, while exceptions have both code and message.
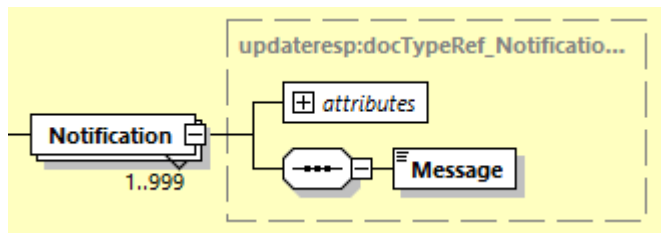
9.4.4 updateShipmentResponse Output: PackagesResult

The PackagesResult provides the DHL piece ID associated to each RequestedPackage from the ShipmentRequest. In this case, the TrackingNumber is the Piece ID returned from the service. In order to tie the RequestedPackages from the ShipmentRequest with the PackageResult in the response, the @number attribute is used to referentially link the request and result packages.

The TrackingNumber field is the identifier for that specific piece of the shipment, of which there can be many.
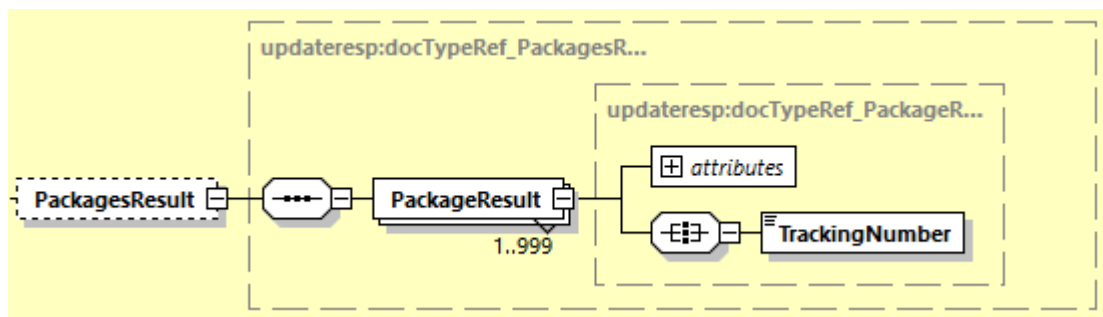
9.4.5 updateShipmentResponse Output: LabelImage

The Label Image section of the response provides the label format in the LabelImageFormat field (i.e. PDF), as well as the base64 encoded label image in the GraphicImage field. The HTML Image is not used.
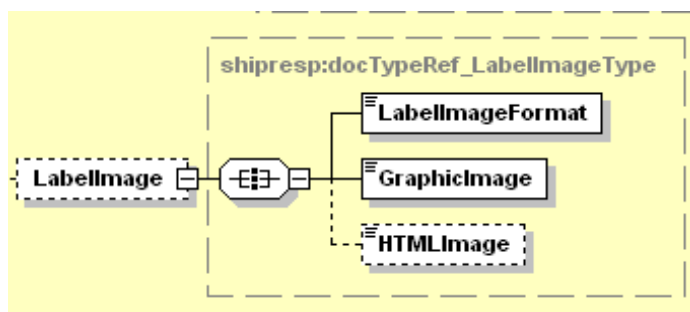
9.4.6 updateShipmentResponse Output: ShipmentIdentificationNumber

This field corresponds to the airbill number associated to this shipment. This is the primary tracking identifier within DHL, and is the DHL primary reference field in calling application.

9.5 UPDATE SHIPMENT RESPONSE – OUTPUT FIELD LIST

Shipment Response xml fields (Source)	Mandatory/ Optional	Values or Constraints	Comments
UpdateResponse			
ShipmentIdentificationNumber	O	AN 35	The shipment identification number also named airwaybill (AWB). This number can be used to track the progress of the shipment on the DHL webside.
UpdateResponse/Response			
UpdateResponse/Response/ServiceHeader			
MessageTime	M	TIMESTAMP	The format of the should be YYYY-MM-DD(T)hh:mm:ssZ (GMT e.g 2011-01-12T18:41:12Z
MessageReference	O	AN 36	MessageReference as send from request message
ServiceInvocationID	M		Format: ServiceInvocationID = MyDHLAPIProcessingStartDate timeGMT_MyDHLAPINodeIdO bfuscated_GuidV4
UpdateResponse/Notification (1:999)			
@code	O	N 6	Error > 0 or Success Code = 0
Message	M	AN	Response Message, see Error codes for more details
UpdateResponse/PackagesResult			
UpdateResponse/PackagesResult/PackageResult (1:999)			
"@number"	O	Integer	Running number of the packages.
TrackingNumber	M	AN 35	This field contains a unique number for the individual package.
UpdateResponse/LabelImage (0:2000)			
LabelImageFormat	M	AN 3	Mapped from Request Document. Currently always "PDF"

GraphicImage	M	Base64 Binary	This field contains the actual label as Base64 Binary. There will be one document containing all the labels for each package/piece on separate pages.
HTMLImage	O	Base64 Binary	Not used

10. REQUESTPICKUP

10.1 REQUESTPICKUP - DESCRIPTION

The requestPickup request allows users to request standalone pickup requests for local and remote/import pickups. This can be used independently to the other services and sends a pickup booking pickup request to the DHL Express Customer Services systems which forward the request to the DHL Express courier systems for a courier allocation.

Remote Booking feature

You can request Remote Booking via MyDHL API. When BookingRequestor section is provided and Country Code is different to the Country Code specified under Shipper section then booking is marked as "Remote" under CSV. If the BookingRequestor section exists but the Shipper Country Code and Booking Requestor Country Code is the same, then error message will be send to the customer.

10.2 REQUESTPICKUP - INPUT

The following diagram shows an overview of the request input structure.

10.2.1 RequestPickup Schema Diagram

Each of the individual sections of requestPickup is shown below in schema diagram, with context, and a detailed description of each field follows in the Input Field List.
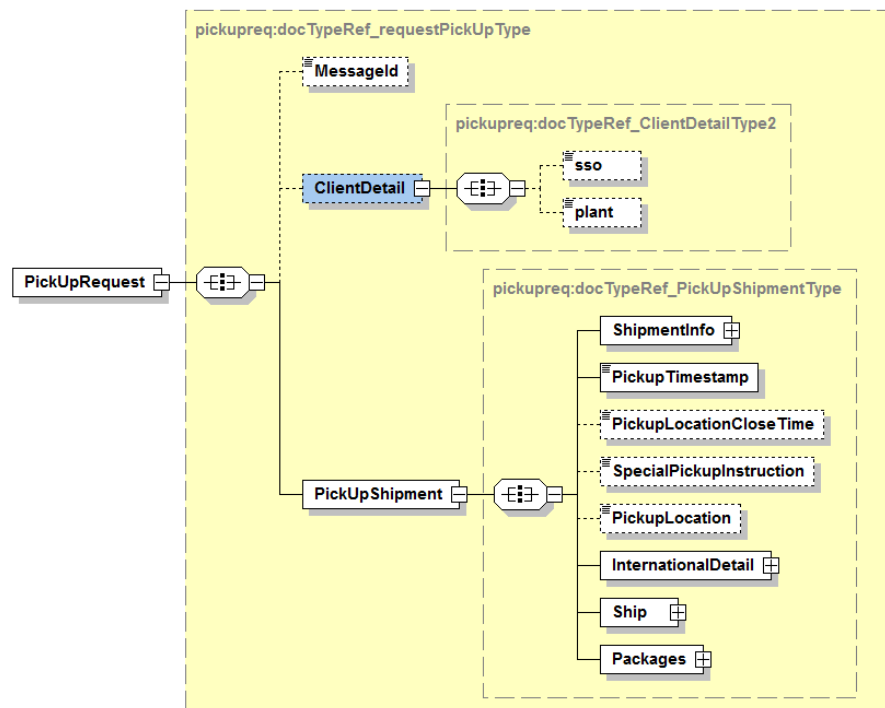
10.2.2   RequestPickup Input

The root of the requestPickup holds the pickup time stamp, the pickup location close time, optional special pickup instructions and pickup location (ie, front door, reception etc)

- **PickupTimestamp** - The provided PickupTimestamp in the request message will be validated to ensure the format of provided timestamp is valid. Also, pick up date cannot be in the past or more than 10 days in future. Sample - "2017-10-12T17:30:00GMT+00:00"

- **PickupLocationCloseTime** - When the pickup location close time is provided in the request message, the close time will be validated against pickup timestamp. If the pickup time is later then provided close time, an error message will be thrown to the customer. Sample – "12:00"

- **SpecialPickupInstruction** - any special instructions you wish to send to the courier for the order pick-up

- **PickupLocation** - where the package should be picked up by DHL courier

10.2.3   RequestPickup Input: ShipmentInfo

The ShipmentInfo section contains the product code/service type, the billing section, unit of measurement and currency that is applicable to the pickup.
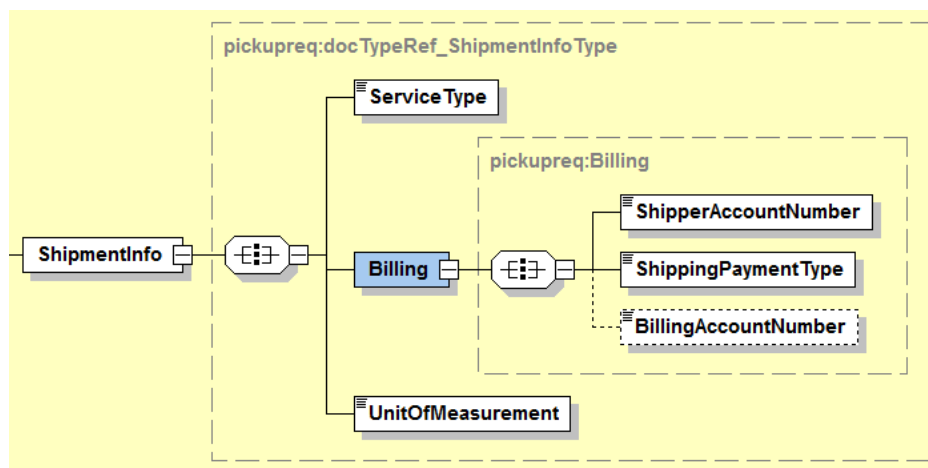
10.2.4   RequestPickup Input: International Detail

The InternationalDetail section conveys data elements for international shipping.

The NumberOfPieces field is used to transmit the number of pieces in shipment the shipment to be picked up – this is important for DHL Express to know what type of vehicle is required for the pickup.

The Description field is used as a description of goods
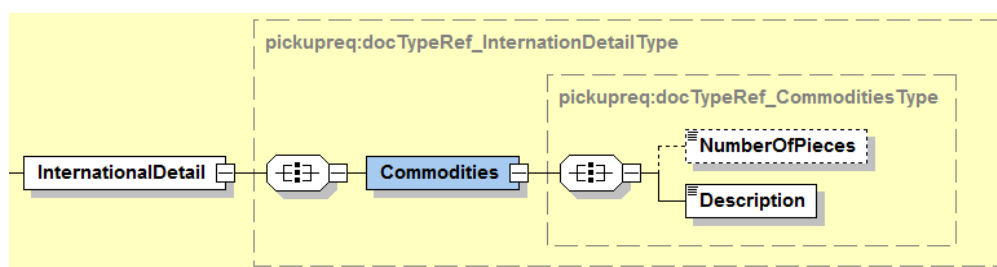
10.2.5   RequestPickup Input: Ship

The Ship section outlines the shipper, recipient, pickup and booking requestor addresses.

Shipper – Is the address of the individual/company that is shipping the parcels
Recipient – Is the destination address where the shipment is to be delivered
Pickup Address – is optional in case the pickup address is different to the shipper address
Booking Requestor – is optional in case the booking requestor is not the same the shipper
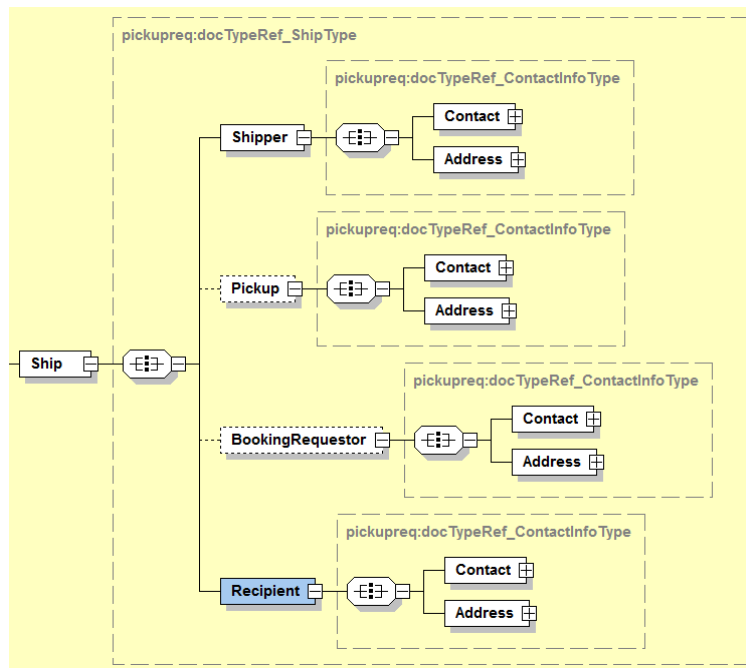
10.2.6   RequestPickup Input: Packages

The Packages section details the contents of individual pieces (or discrete shipping containers) within the shipment. The minimum number of packages or pieces in a shipment is one and the upper limit is 99.

The SpecialServices section should be used to convey Insured Value.

The Weight and Dimensions fields represent the weight and dims of the individual pieces.

The CustomerReferences field is used as the Piece Reference and the first instance is also used as the Shipment Reference. Currently only the Shipment Reference appears on the label.
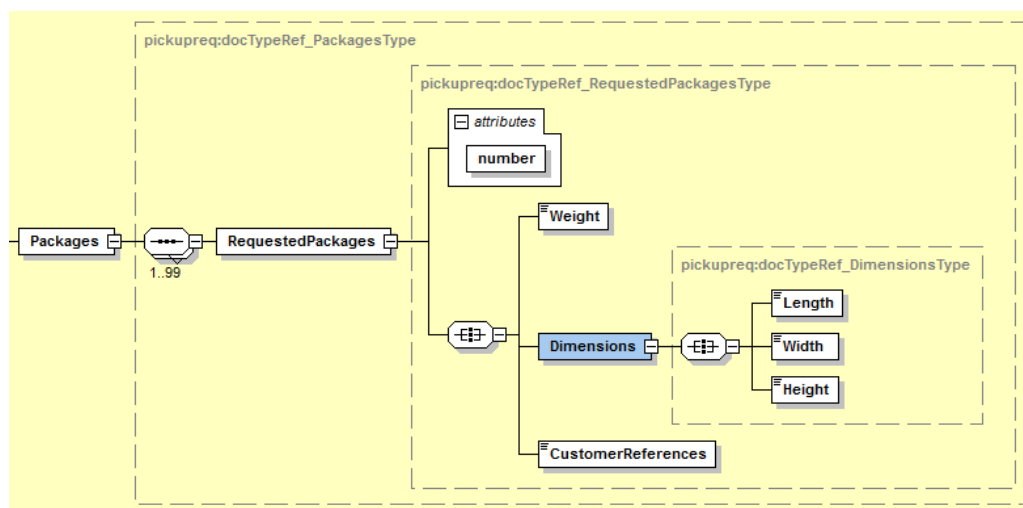
10.3 REQUESTPICKUP REQUEST – INPUT FIELD LIST

requestPickup fields	M/O	Values or Constraints	Comments
requestPickupRequest			
requestPickUp/ClientDetail			
sso	O		This field is for internal use only
plant	O		This field is for internal use only
requestPickUp/PickUpShipment			
PickupTimestamp	M	AN29	Identifies the date and time the package is tendered. The time is the local time of the shipment based on the shipper's time zone. The date component must be in the format: YYYY-MM-DD; the time component must be in the format: HH:MM:SS using a 24 hour clock. The date and time parts are separated by the letter T (e.g. 2010-02-05T14:00:00 GMT+01:00).
PickupLocationCloseTime	O	AN29	Identifies the pickup location close time (i.e. what time do the premises where the collection is supposed to happen close). The value must be in local time. The value component must be HH:MM (using a 24-hours clock format, e.g. 14:00).
SpecialPickupInstruction	O	AN75	any special instructions you wish to send to the courier for the order pick-up
PickupLocation	O	AN40	where the package should be picked up by DHL courier
requestPickUp/PickUpShipment/ShipmentInfo			
ServiceType	M	AN 1	The shipping product requested for this shipment, corresponding to the DHL Global Product codes.
UnitOfMeasurement	M	"SI","SU"	The unit of measurement for the dimensions of the package. Possible values: - SI, international metric system

			(KG, CM)
			- SU, UK, US system of measurement (LB, IN)
requestPickUp/PickUpShipment/ShipmentInfo/Billing			
ShipperAccountNumber	M/O	AN 9	The DHL account number used for the shipment. Used as the shipper account number. Please note if you use this billing section then the above <Account> tag is not needed. <ShipperAccountNumber> is mandatory then. **Please note if you did declare the <Account> section above then the account number within will overwrite the entire Billing section.**
ShippingPaymentType	M/O	AN 1	Possible values: - S (use ShipperAccountNumber as payer) - R (use BillingAccountNumber as bill-to receiver account number) - T (use BillingAccountNumber as bill-to third party account number) Please note if you use value R or T in this tag then the next tag <BillingAccountNumber> is also mandatory
BillingAccountNumber	O	AN 9	The DHL account number used for the shipment, if ShippingPaymentType is equal to R or T.
requestPickUp/PickUpShipment/InternationalDetail			
requestPickUp/PickUpShipment/InternationalDetail/Commodities			
NumberOfPieces	O	N6	The number of pieces in the shipment
Description	M	AN 1-35	The description of the content of the shipment.
requestPickUp/PickUpShipment/Ship			
requestPickUp/PickUpShipment/Ship/Shipper			
requestPickUp/PickUpShipment/Ship/Shipper/Contact			
PersonName	M	AN 45	A contact name of a person who will ship the shipment.

CompanyName	M	AN 35	The company name the person is working in.
PhoneNumber	M	AN 25	The contact person phone number. In case of questions, this person can be called by the courier.
EmailAddress	O	AN 50	The email address of the contact person.
MobilePhoneNumber	O	AN 25	The mobile phone number of the contact person.
requestPickUp/PickUpShipment/Ship/Shipper/Address			
StreetLines	M	AN 35	The street line should contain street name and number of the shipper.
StreetName	O	AN 35	Shipper street name should be sent as separate attribute if feasible.
StreetNumber	O	AN 15	Shipper street number should be sent as separate attribute, if feasible.
StreetLines2	O	AN 35	Shipper additional address information
StreetLines3	O	AN 35	Shipper additional address information
City	M	AN 35	Shipper city name
StateOrProvinceCode	O	AN 2	2 Letter state code for the USA only
PostalCode	M	AN 12	Shipper postal code
CountryCode	M	AN 2	ISO 2 character codes of the Shipper country.
requestPickUp/PickUpShipment/Ship/Pickup(0:1)			
requestPickUp/PickUpShipment/Ship/Pickup/Contact			
PersonName	M	AN 45	A contact person of the pickup location.
CompanyName	M	AN 35	The company name the person is working in.
PhoneNumber	M	AN 25	The contact person phone number. In case of questions, this person can be called by the courier.

EmailAddress	O	AN 50	The email address of the contact person.
MobilePhoneNumber	O	AN 25	The mobile phone number of the contact person.
requestPickUp/PickUpShipment/Ship/Pickup/Address			
StreetLines	M	AN 35	The street line should contain street name and number of the pickup location.
StreetName	O	AN 35	Pickup street name should be sent as separate attribute if feasible.
StreetNumber	O	AN 15	Pickup street number should be sent as separate attribute, if feasible.
StreetLines2	O	AN 35	Pickup additional address information
StreetLines3	O	AN 35	Pickup additional address information
City	M	AN 35	Pickup city name
StateOrProvinceCode	O	AN 2	2 Letter state code for the USA only
PostalCode	M	AN 12	Pickup postal code
CountryCode	M	AN 2	ISO 2 character codes of the Pickup country.
requestPickUp/PickUpShipment/Ship/BookingRequestor (0:1)			
requestPickUp/PickUpShipment/Ship/BookingRequestor/Contact			
PersonName	M	AN 45	A contact person of the pickup location.
CompanyName	M	AN 35	The company name the person is working in.
PhoneNumber	M	AN 25	The contact person phone number. In case of questions, this person can be called by the courier.
EmailAddress	O	AN 50	The email address of the contact person.
MobilePhoneNumber	O	AN 25	The mobile phone number of the contact person.
requestPickUp/PickUpShipment/Ship/BookingRequestor/Address			

StreetLines	M	AN 35	The street line should contain street name and number of the pickup location.
StreetName	O	AN 35	Pickup street name should be sent as separate attribute if feasible.
StreetNumber	O	AN 15	Pickup street number should be sent as separate attribute, if feasible.
StreetLines2	O	AN 35	Pickup additional address information
StreetLines3	O	AN 35	Pickup additional address information
City	M	AN 35	Pickup city name
StateOrProvinceCode	O	AN 2	2 Letter state code for the USA only
PostalCode	M	AN 12	Pickup postal code
CountryCode	M	AN 2	ISO 2 character codes of the Pickup country.
requestPickUp/PickUpShipment/Ship/Recipient			
requestPickUp/PickUpShipment/Ship/Recipient/Contact			
PersonName	M	AN 45	A contact name of a person who will receive the shipment.
CompanyName	M	AN 35	The company name the person is working in.
PhoneNumber	M	AN 25	The contact person phone number. In case of questions, this person can be called by the courier.
EmailAddress	O	AN 50	The email address of the contact person.
MobilePhoneNumber	O	AN 25	The mobile phone number of the contact person.
requestPickUp/PickUpShipment/Ship/Recipient/Address			
StreetLines	M	AN 35	The street line should contain street name and number of the reveiver.
StreetName	O	AN 35	Recipient street name should be sent as separate attribute if feasible.
StreetNumber	O	AN 15	Recipient street number should be

			sent as separate attribute, if feasible.
StreetLines2	O	AN 35	Recipient additional address information
StreetLines3	O	AN 35	Recipient additional address information
City	M	AN 35	Recipient city name
StateOrProvinceCode	O	AN 2	2 Letter state code for the USA only
PostalCode	M	AN 12	Recipient postal code
CountryCode	M	AN 2	ISO 2 character codes of the Receiver country.
requestPickUp/PickUpShipment/Packages (1:1)			
requestPickUp/PickUpShipment/Packages/RequestedPackages (1:M)			
@number	M	Integer	Running number of the packages.
Weight	M	15.3 D	The weight of the package.
CustomerReferences	M	AN35	Customer Reference for the piece.
requestPickUp/PickUpShipmentPackages/RequestedPackages/Dimensions			
Length	M	5.1 D >=0.5	Length of the piece listed.
Width	M	5.1 D >=0.5	Width of the piece listed.
Height	M	5.1 D >=0.5	Height of the piece listed.

10.4 REQUESTPICKUP - OUTPUT

The following diagram shows an overview of the requestPickup response structure. The critical information to derive from this response are the notification codes for the response and the DHL internal dispatch confirmation number and dispatch confirmation number.
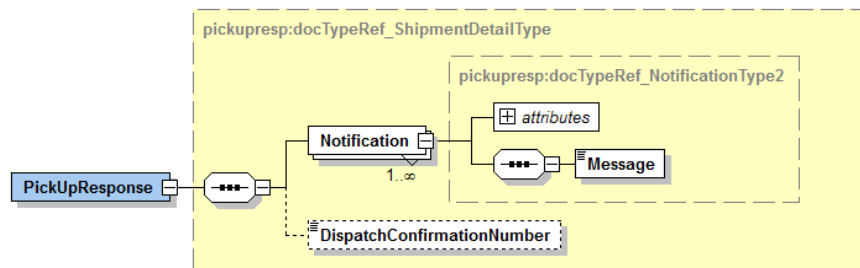
10.4.1   requestPickup Schema Diagram

Each of the individual sections of requestPickup response is shown below in the schema diagram, with context, and a detailed description of each field follows in the Output Field List.
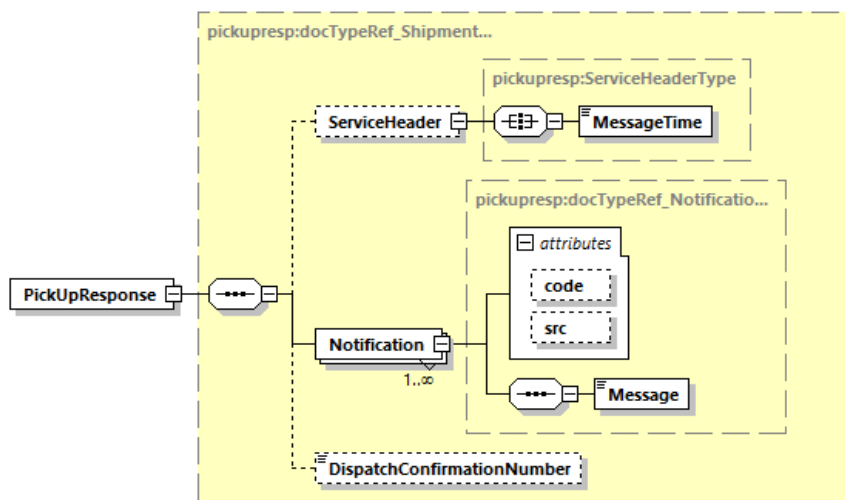

10.4.2   requestPickup Output: Notification

The Notification structure includes the result code and message, based on the results of the processing. Successful messages will include a zero error code and no corresponding message, while exceptions have both code and message.
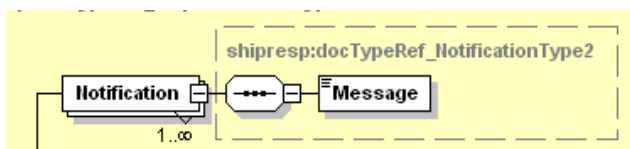
10.4.3   requestPickup Output: DispatchConfirmationNumber

This field is the confirmation number generated by the creation of a pickup, if requested. This data will need to be persisted if the web service consumer intends to utilize the DeleteShipment functionality, as it is a required field.

10.5 REQUEST PICKUP RESPONSE – OUTPUT FIELD LIST

Request Pickup Response xml fields (Source)	Mandatory/ Optional	Values or Constraints	Comments
RequestPickUpResponse			
PickUpResponse/Notification			
@code	M	N 6	Error > 0 or Success Code = 0
Message	M		Response Message, see Error codes for more details
DispatchConfirmationNumber	O	AN 15	The booking reference number.

<div style="background-color:red; color:white">

11.   APPENDIX

</div>

RATE REQUEST AND SHIPMENT REQUEST ERROR CODES AND MESSAGES

The following table contains the possible error for the Rate and Shipment Request processes. The errors are broken down into categories for presentation.

CAPABILITY AND QUOTATION ERRORS- RATEREQUEST AND SHIPMENTREQUEST

For capability and quotation error codes, some errors are not possible to achieve based on schema validation (for required fields, field format, etc).

Capability and Quotation Errors (Rate and Shipment Requests)	
Error Code	**Error Text**
996	The requested product(s) not available based on your search criteria.
1001	The requested product(s) not available based on your search criteria.
1003	Pick-up service is not provided on this day.
1004	Product not available between this origin and destination.
340001	The origin country code could not be found. Please check the country code.
340002	The destination country code could not be found. Please check the country code.
340003	The payment country code could not be found.
340004	The location information is missing. At least one attribute post code, city name or suburb name should be provided
340005	The pickup date is missing. The pickup date is a mandatory field.
340006	The ready time is missing. This is a mandatory parameter.
340007	The commodity code could not be found, please check the commodity code.
340008	The piece weight is missing. This is mandatory information.
340009	The number of pieces is missing.
340010	The total shipment volume is missing.
340011	The maximum piece weight is missing.
340012	The maximum piece height is missing.
340013	The maximum piece length is missing.

340014	The maximum piece width/diameter is missing.
340015	The declared value is missing.
340016	The piece type is invalid.
340017	The unit of weight is missing.
340018	The declared value cannot exceed the limit set for the country.
340019	Unknown unit of measure for weight.
340020	Unknown unit of measure for dimensions.
340021	The currency is missing.
340022	The maximum piece weight is greater than the total shipment weight.
340023	Unknown currency symbol.
340024	The global or local product code(s) missing.
340025	The global or local service code(s) missing.
340026	Invalid combination of units of weight and dimension.
340027	Invalid product service combination.
340028	The unit of measure is missing.
340029	UOM should be same for all dimensions
340030	Unknown Generic Criteria code
340031	The format of the dimensions is not correct. Please check the dimensions format.
340032	The format of the weight is not correct. Please check the weight format.
340033	Invalid ready time format
340035	The unit of dimension is missing
340036	Outbound departure date should have format YYYY-MM-DD
340038	VLDPICKUP = N set in the request then Facility Departure Date should be part of request
340039	VLDPICKUP = Y set in the request then Facility Departure Date should NOT be part of request
340040	The only allowed operators are 'eq'- equal, 'ge' - greater than or equal, 'gt' - greater than
420501	The origin country code could not be found. Please check the country code.
420502	The destination country code could not be found. Please check the country code.

420503	The payment country code could not be found.
420504	The origin location is invalid. Please check the data.
420505	The destination location is invalid. Please check the data.
420506	Postcode not found. Expected formats: <country specific post code format>
410201	Pick-up service is not provided on this day.
410202	The pickup date is outside of sliding window: dateFrom-dateTo
410203	Ready time is outside of pickup window
410301	Product not available between this origin and destination (network segment).
410302	Temporary network target change
410303	Avaliable products removed by Marketed filtering
410304	No products available
410101	The shipment weight exceeds max
410102	The shipment height exceeds max
410103	The shipment length exceeds max
410104	The shipment width/diameter exceeds max
410105	The requested product(s) not available
410106	The piece weight exceeds max
410107	The piece height exceeds max
410108	The piece length exceeds max
410109	The piece width/diameter exceeds max
410110	The shipment weight exceeds min
410111	The shipment height exceeds min
410112	The shipment length is not within the restrictions
410113	The shipment width/diameter under min
410114	The min piece dimension not reached
410115	The mid piece dimension not reached
410116	The max piece dimension not reached
410117	The minimum piece weight not met
410118	Number of pieces exceeded

410119	The min shipment dimension not reached
410120	The mid shipment dimension not reached
410121	The max shipment dimension not reached
410122	The minimum shipment weight not met
410123	The max shipment declared value exceeded
410124	Geographical market rule applied
410125	Minimal inbound currency value not met
410126	Maximum inbound currency value exceeded
410127	Minimum number of pieces not met
410128	Minimal outbound currency value not met
410129	Maximum outbound currency value exceeds
410130	Minimal number of pallet not met
410131	Maximum number of pallet exceeds
410132	Minimal pallet weight not met
410133	Maximum pallet weight exceeds
410134	The max(length; width; height) piece exceeds max
410135	Requested product(s) not available at origin <list of products global/local separated by ", ">
410136	Requested product(s) not available at destination <list of products global/local separated by ", ">
410137	Product filtered out on delivery side because actual delivery time configured in TTS is greater than marketed delivery time configured in GREF <list of products separated by ", ">
410138	Requested product(s) not available at payer <list of products global/local separated by ", ">
410139	Requested product(s) available only with contractual agreement <list of products global/local separated by ", ">
410140	Requested product(s) not available in required network <list of products global/local separated by ", ">
410501	Pickup PL ambiguity rule applied. More than 1 PL is available for the given PL attributes.
410502	Pickup PL fallback rule applied : PS->CP
410503	Pickup PL fallback rule applied : PS->CP->P

410504	Pickup PL fallback rule applied : PS->CP->P->C
410505	Pickup PL fallback rule applied : CP->P
410506	Pickup PL fallback rule applied : CP->P->C
410507	Pickup PL fallback rule applied : P->C
410508	Pickup PL fallback rule applied : S->C
410509	Delivery PL ambiguity rule applied. More than 1 PL is available for the given PL attributes.
410510	Delivery PL fallback rule applied : PS->CP
410511	Delivery PL fallback rule applied : PS->CP->P
410512	Delivery PL fallback rule applied : PS->CP->P->C
410513	Delivery PL fallback rule applied : CP->P
410514	Delivery PL fallback rule applied : CP->P->C
410515	Delivery PL fallback rule applied : P->C
410517	The origin facility is suspended
410518	The destination facility is suspended

ROUTE CODE ERRORS

For the Shipment service only, the route code is required for most EU countries, so error handling for that lookup will only be active for those cases. The specific use case is the scenario where the route code value is not found for the origin address.

Route Errors (Shipment Requests Only)		
Error Code	Error Text	Notes (if applicable)
400501	Route Code not found for <address>	Condition met if no products are available for that pickup date.

SHIPMENT DATE VALIDATION

For the Shipment service only, the ShipmentTimestamp is validated to ensure the proposed shipment date is not in the past, and within 10 days of current date.

Shipment Date Errors (Shipment Requests Only)		
Error Code	Error Text	Notes (if applicable)
998	The shipment date cannot be in the past or more than 10 days in future. Please check the shipment date and retry.	

ACCOUNT VALIDATION

For both Rate and Shipment, the account number must be valid and configured for use within the services. For help for account setup and configuration, please see your DHL integration point of contact.

Account Validation Errors (Rate and Shipment Requests)		
Error Code	Error Text	Notes (if applicable)
998	The account number is not found or invalid. Please check the account number and retry.	
998	The account number is not allowed for PaperLessTrade. Please check the account number and retry.	

LABEL GENERATION ERRORS

For Shipment service, the following errors may occur during label generation.

Label Generation Errors (Shipment Requests only)		
Error Code	Error Text	Notes (if applicable)
20001	Neither local nor Network Product Code is present.	
20002	Origin country code is absent.	
20003	Origin service area code is absent.	
20004	Destination country code is absent.	
20017	Neither destination postcode nor destination code is present.	
30001	Maximum length of local specific code exceeded.	
30002	Invalid postcode format.	
40001	Product short name is not found.	
40002	Product content code is not found.	
40004	Destination code is not found	
50003	More than one destination service area codes are found.	
90001	Unclassified error.	
90002	Invalid XML.	
90003	Error while accessing the cache.	
99999	GLS servers are not reachable.	
100002	The Dangerous Goods Content ID requested is invalid. Please update and try again	
100002	The Dry Ice Net Weight is missing in the request for the Dangerous Goods Content ID: 901. Please update and try again.	
100002	The UN code is missing in the request for the Dangerous Goods Content ID: E01. Please update and try again	

MANIFEST SUBMISSION ERRORS

For Shipment service, the following errors may occur during submission of the shipment manifest.

Shipment Manifest Errors (Shipment Requests only)		
Error Code	Error Text	Notes (if applicable)
400201	Failure during booking	
400202	Missing field(s)",	
400203	Error occurred while creating GNS521 file	
400204	Error while uploading manifest file to FTP server	
400205	Error while transforming result to XML	
411402	ShipmentManifest consumer timed out.	
998	Field 'ShipmentRequest/RequestedShipment/ShipmentInfo/PaperlessTradeImage' is mandatory when PaperlessTradeEnabled is set to true.	

PICKUP ERRORS

For select Shipment requests, which include a pickup request (REQUEST_COURIER), the following errors may occur during processing of the pickup. Each of the pickup adaptor errors below carries the same Error Code.

Pickup Errors (Shipment Requests only)		
Error Code	Error Text	Notes (if applicable)
410928	Booking adapter error response failure PU009a, 'Pickup NOT scheduled. There is no weekend pickup service at the location.	

Booking adapter error response failure PU003, Routing Service could not determine Origin Service Area. No pickup scheduled

Booking adapter error response failure PU004, Account number or account type is some type of external billing account. Pickup Service requires a domestically billed shipper account. No pickup scheduled

Booking adapter error response failure PU005, Account number is not found in IBS records. No pickup scheduled

Booking adapter error response failure PU007a, Account number specified has a credit status of CUT. Directed to IBS. No pickup scheduled

Booking adapter error response failure PU007b, Account number does not have a credit standing of "good standing" or "removed from credit suspension"   No pickup scheduled

Booking adapter error response failure PU009a, The pickup date is a weekend at the origin service area that has no pickup service. No pickup scheduled

Booking adapter error response failure PU009b, The Pickup Ready-by time from the client is before the Station Pickup start time or after the Station Pickup end time. No pickup scheduled

Booking adapter error response failure PU009c, The pickup date is a holiday at (origin service area). No pickup scheduled

Booking adapter error response failure PU011a, The pickup request time is less than 1 hour of the station pickup end time. No pickup scheduled.

Booking adapter error response failure PU011b, At least one day of advance notice is required for pickup at <location>. Sufficient notice not provided. No pickup scheduled

Booking adapter error response failure PU012, Ready by time is past the station ready by cutoff of <x>. No pickup scheduled.

Booking adapter error response failure PU013a, Insufficient time between pickup request time and pickup end time. Pickups require at least one hour before station pickup end time.

Booking adapter error response failure PU013b, Insufficient time between (current time), and (closing time). A business pickup requires one hour. A residence pickup requires two hours.

Booking adapter error response failure PU012, Ready by time is past the station ready by cutoff of <x>. No pickup scheduled.

Booking adapter error response failure PU012, Ready by time is past the station ready by cutoff of <x>. No pickup scheduled.

GENERAL ERRORS

Unexpected errors are handled with a standard error message. These error messages also contain a process id number, which is used during troubleshooting or follow-up.

Shipment Date Errors (Shipment Requests Only)		
Error Code	Error Text	Notes (if applicable)
998	Process failure occurred. Process ID associated for that transaction (9999999)	Where 9999999 is the process id

TRACKING ERRORS

For TrackingRequest service, the primary exception for the service will be "Shipment Not Found", with a corresponding ConditionCode of 101.

RATEREQUEST LANDEDCOST ERRORS

RateRequest LandedCost Errors	
Error Code	**Description**
200101	Landed cost calculation failed. (<technical error message generated by the exception>)
200101	Internal GTS error during service call. (<technical error message generated by the exception>)
200101	GTS Duty and Tax Calculator encountered an internal error. (Duty and Tax Calculation Failed.)
200003	Message header segment is undefined or missing. (Hdr is required)
200003	Message header version is undefined or missing. (Hdr Ver is required)
200003	Message header date and time is undefined or missing. (Hdr Dtm is required)
200003	Message header identification is undefined or missing. (Hdr Id is required)
200003	Message header type is undefined or missing. (Hdr Ty is required)
200003	Message header system environment code is undefined or missing. (Hdr SysEnvCd is required)
200003	Message header general information segment is undefined or missing. (Hdr GI is required)
200003	Message header tracking identifier is undefined or missing. (Hdr TID is required)
200003	Message header sender segment is undefined or missing. (Sndr is required)
200003	Message header sender application code is undefined or missing. (Sndr AppCd is required)
200003	Message header recipient segment is undefined or missing. (Rcp is required)

200003	Message header recipient application code is undefined or missing. (Rcp AppCd is required)
200003	Message originator segment is undefined or missing. (Orgntr is required)
200003	Message header originator application code is undefined or missing. (Orgntr AppCd is required)
200003	Message header originator username is undefined or missing. (Orgntr UsrNm is required)
200003	Message header originator country code is undefined or missing. (Orgntr CtryCd is required)
200003	Message main body segment is undefined or missing. (Bd is required)
200003	Message shipment quote segment is undefined or missing. (QtdShp is required)
200003	Currency code of insurance charge is required. (MonAmt SINSV CurCd is required)
200003	Currency code of other charges is required. (MonAmt MACHG CurCd is required)
200003	Currency code of freight charge is required. (MonAmt MFCHG CurCd is required)
200003	Payer segment is undefined or missing. (PY Cust (Required if freight charge not provided) is required)
200003	Payer Account No is undefined or missing (PY Cust\NtwAccNo (Required if freight charge not provided) is required)
200003	Payer Country Code is undefined or missing (PY Cust\Addr\ActPntSp\ CtryCd (Required if freight charge not provided) is required)
200003	Shipper customer segment is undefined or missing. (SP Cust is required)
200003	Shipper Country Code is undefined or missing (SP Cust\Addr\ActPntSp\CtryCd is required)
200003	Receiver customer segment is undefined or missing

	(RV Cust is required)
200003	Receiver country code is required.
	(RV Cust\Addr\ActPntSp\CtryCd is required)
200003	At least one line item is required.
	(QtdShp\Ln is required)
200003	Line item's line number is required.
	(Ln\LnNo is required)
200003	Line item's unit price is required.
	(Ln\MonAmt ACUSV is required)
200003	Currency code of line item's unit price is required.
	(Ln\MonAmt ACUSV CurCd is required)
200003	Line item's weight UOM is required.
	(Ln\Meas\Wgt\Uom is required)
200003	Line item's import commodity code is required.
	(Missing Ln\CmdtClss\Ib is required)
200003	Shipment piece segment is undefined or missing.
	(QtdPcs is required)
200003	Shipment piece reference field is undefined or missing.
	(QtdPcs\Ref is required)
200003	Shipment piece measurement segment is undefined or missing.
	(PcsMeas is required)
200003	Piece weight is undefined or missing.
	(PcsMeas\Wgt is required)
200003	Piece weight unit of measure (UOM) is required.
	(PcsMeas\Wgt\Uom is required)
200003	Piece height dimension is required.
	(PcsMeas\H (Required if freight charge not provided) is required)
200003	Piece height dimension UOM is required.
	(PcsMeas\H\Uom is required)
200003	Piece length dimension is required.
	(PcsMeas\L (Required if freight charge not provided) is required)

200003	Piece length dimension UOM is required. (PcsMeas\L\Uom is required)
200003	Piece width dimension is required. (PcsMeas\W (Required if freight charge not provided) is required)
200003	Piece width dimension UOM is required. (PcsMeas\W\Uom is required)
200003	Request message GenrcRqCritr\TyCd element is required. (GenrcRqCritr TyCd is required)
200003	Request message GenrcRqCritr\Val element is required. (GenrcRqCritr Val is required)
200003	Request item breakdown indicator is required. Indicator to receive details of duties, taxes, fees and surcharges. (GenrcRqCritr with TyCd: ItmCstBrkdwnInd is required)
200003	Request currency code is required. (GenrcRqCritr with TyCd: CurCd is required)
200003	Measurement UOM is not supported in GTS. (Measurement <sourceMeasurementType> could not be found in database)
200003	Measurement UOM is not convertible. (Measurement <sourceMeasurementType> is a non convertable SubType)
200003	Measurement UOM cannot be converted to the target measurement UOM. (Cannot convert <sourceMeasurementType> to <destinationMeasurementType> Measurement of SubType=<sourceMeasurementType> cannot be converted to SubType=<destinationMeasurementType>)
200003	Source measurement conversion factor is 0. (srcMeasurement's conversion factor is 0)
200003	Internal GTS conversion error. (caught exception : <Various Java Exception>)
200003	Measurement UOM cannot be converted to the target measurement UOM. (applyMeasurementConversion : either src or dest measurement SubType is null)
200003	Required characteristics <CHAR TYPE> value is missing. (<CHAR TYPE> characteristic is missing)
200003	Required fee <FEE TYPE> is missing.

	(<FEE TYPE> FEE is missing.)
200003	Shipper's state code is required. (SP Cust\Addr\ActPntSp\Lty\CtryDiv\TyCd where Cd=S is missing)
200003	Carrier name is required. (DataEl MrchtSelCrrNm is missing)
200000	Invalid message header request type value. Acceptable value is LandedCostRequest. (Invalid Hdr Ty Value. Valid value is LandedCostRequest)
200000	Invalid message header originator country code value. Country code not supported in GTS. (Invalid Orngtr CtryCd value. Not Supportable Country)
200000	Invalid message header originator country code value. If provided, should be in alphabetic format with 2 characters. (Invalid Orngtr CtryCd value. Valid format is [A-Z]{2})
200000	Invalid piece measurement dimension L, W, H UOM value. Dimensions UOM must be the same. (Invalid PcsMeas L, W, H UOM value. Dimensions UOM must be the same)
200000	Invalid monetary amount type code value. Acceptable values are insurance (SINSV), other (MACHG), and freight (MFCHG) charge codes. (Invalid MonAmt TyCd value. Valid values are SINSV, MACHG, MFCHG)
200000	Invalid Shipment Currency value. Currency code not supported in GTS. (Invalid Shipment Currency value. Not Supportable Currency)
200000	Invalid message header request type code. Acceptable values are ItmCstBrkdwnInd|CurCd|ShpPrps|MdOfTrns. (Invalid GenrcRqCritr TyCd. Only accept values ItmCstBrkdwnInd|CurCd|ShpPrps|MdOfTrns)
200000	Invalid line item's line number value. Value should not be zero. (Invalid Ln\LnNo value. Value must be more than 0)
200000	Invalid line item's manufacturing country code value. Country code not supported in GTS. (Invalid Ln\ManCtryCd value. Not Supportable Country)
200000	Invalid line item's unit price currency code value. Currency code not supported in GTS. (Invalid Ln\MonAmt ACUSV CurCd value. Not Supportable Currency)
200000	Invalid line item's unit price currency code value. If provided, should be in alphabetic format. (Invalid Ln\MonAmt ACUSV CurCd value. Expected format is [A-Z]{3})

200000	Invalid line item's unit price value. If provided, should be in decimal format. (Invalid Ln\MonAmt ACUSV value.Value must be BigDecimal and not empty)
200000	Invalid line item's unit price value. Negative value is not allowed. (Invalid Ln\MonAmt ACUSV value. Only allow positive value)
200000	Invalid line item's quantity value. If provided, should be in integer format. (Invalid Ln\Qty value.Value must be BigInteger and not empty)
200000	Invalid line item's quantity value. Negative value is not allowed. (Invalid Ln\Qty value. Only allow positive value)
200000	Invalid line item's quantity UOM. Acceptable values are [PRT, BOX]. (Invalid Ln\Qty uom value. Valid values are [PRT,BOX])
200000	Invalid line item's weight value. If provided, should be in decimal format. (Invalid Ln\Meas\Wgt value.Value must be BigDecimal and not empty)
200000	Invalid line item's weight value. Negative value is not allowed. (Invalid Ln\Meas\Wgt value. Only allow positive value)
200000	Invalid line item's weight value. Value exceeds the limit. (Invalid Ln\Meas\Wgt value. Not Supportable value)
200000	Invalid insurance charge currency code from merchant. Currency code not supported in GTS. (Invalid MonAmt SINSV CurCd value. Not Supportable Currency)
200000	Invalid insurance charge currency code from merchant. If provided, should be in alphabetic format with 3 characters. (Invalid MonAmt SINSV CurCd value. Valid format is [A-Z]{3})
200000	Invalid insurance charge from merchant. If provided, should be in decimal format. (Invalid MonAmt SINSV value.Value must be BigDecimal and not empty)
200000	Invalid insurance charge from merchant. Negative value is not acceptable. (Invalid MonAmt SINSV value. Only allow positive value)
200000	Invalid other charge currency code from merchant. Currency code not supported in GTS. (Invalid MonAmt MACHG CurCd value. Not Supportable Currency)
200000	Invalid other charge currency code from merchant. If provided, should be in alphabetic format with 3 characters. (Invalid MonAmt MACHG CurCd value. Valid format is [A-Z]{3})
200000	Invalid other charges value. If provided, should be in decimal format.

	(Invalid MonAmt MACHG value.Value must be BigDecimal and not empty)
200000	Invalid other charges value. Negative value is not acceptable.
	(Invalid MonAmt MACHG value. Only allow positive value)
200000	Invalid freight charge currency code from merchant. Currency code not supported in GTS.
	(Invalid MonAmt MFCHG CurCd value. Not Supportable Currency)
200000	Invalid freight charge currency code from merchant. If provided, should be in alphabetic format with 3 characters.
	(Invalid MonAmt MFCHG CurCd value. Valid format is [A-Z]{3})
200000	Invalid freight charge value. If provided, should be in decimal format.
	(Invalid MonAmt MFCHG value.Value must be BigDecimal and not empty)
200000	Invalid freight charge value. Negative value is not acceptable.
	(Invalid MonAmt MFCHG value. Only allow positive value)
200000	Invalid piece' weight value. If provided, should be in decimal format.
	(Invalid PcsMeas\Wgt value.Value must be BigDecimal and not empty)
200000	Invalid piece' weight value. Negative value is not acceptable.
	(Invalid PcsMeas\Wgt value. Only allow positive value)
200000	Invalid piece' weight UOM value. Weights' UOM not supported in GTS. .
	(Invalid PcsMeas\Wgt uom value. Not Supportable Weights' UOM)
200000	Invalid piece' height dimension value. If provided, should be in decimal format.
	(Invalid PcsMeas\H value.Value must be BigDecimal and not empty)
200000	Invalid piece' height dimension value. Negative value is not acceptable.
	(Invalid PcsMeas\H value. Only allow positive value)
200000	Invalid piece' height dimension UOM value. Dimensions' UOM not supported in GTS. .
	(Invalid PcsMeas\H uom value. Not Supportable Dimensions' UOM)
200000	Invalid piece' length dimension value. If provided, should be in decimal format.
	(Invalid PcsMeas\L value. Value must be BigDecimal and not empty.)
200000	Invalid piece' length dimension value. Negative value is not acceptable.
	(Invalid PcsMeas\L value. Only allow positive value.)
200000	Invalid piece' length dimension UOM value. Dimensions' UOM not supported in GTS. .
	(Invalid PcsMeas\L uom value. Not Supportable Dimensions' UOM)
200000	Invalid piece' width dimension value. If provided, should be in decimal format.

	(Invalid PcsMeas\W value.Value must be BigDecimal and not empty)
200000	Invalid piece' width dimension value. Negative value is not acceptable. (Invalid PcsMeas\W value. Only allow positive value)
200000	Invalid piece' width dimension UOM value. Dimensions' UOM not supported in GTS. . (Invalid PcsMeas\W uom value. Not Supportable Dimensions' UOM)
200000	Invalid shipper account number value. If provided, should be in numeric format. (Invalid SP Cust\NtwAccNo value. Valid format is \d+)
200000	Invalid shipper's country code value. If provided, should be in alphabetic format with 2 characters. (Invalid SP Cust\Addr\ActPntSp\CtryCd value. Valid format is [A-Z]{2})
200000	Invalid shipper's country code value. Country not supported in GTS. (Invalid SP Cust\Addr\ActPntSp\CtryCd value. Not Supportable Country)
200000	Invalid receiver's country code value. If provided, should be in alphabetic format with 2 characters. (Invalid RV Cust\Addr\ActPntSp\CtryCd value. Valid format is [A-Z]{2})
200000	Invalid receiver's country code value. Country not supported in GTS. (Invalid RV Cust\Addr\ActPntSp\CtryCd value. Not Supportable Country)
200000	Invalid payer account number value. If provided, should be in numeric format. (Invalid PY Cust\NtwAccNo value. Valid format is \d+)
200000	Invalid payer's country code value. Country code not supported in GTS. (Invalid PY Cust\Addr\ActPntSp\CtryCd value. Not Supportable Country)
200000	Invalid line item's import commodity code value. If provided, should be in alphanumeric and dots format. (Invalid Ln\CmdtClss\Ib value. Valid format is [a-zA-Z0-9.]+)
200000	Invalid line item's part number value. If provided, should be in numeric format. (Invalid Ln\PartNo value. Valid format is \d+)
200000	Invalid Shipment Purpose. Acceptable values are [PERSONAL, COMMERCIAL, GIFT] . (Invalid ShpPrps GenRqCritr\Val. Valid values are [PERSONAL,COMMERCIAL,GIFT])
200000	Invalid Transport Mode. Acceptable values are [AIR, OCEAN, LAND]. (Invalid MdOfTrns GenrcRqCritr\Val. Valid values are [AIR,OCEAN,LAND])
210000	DCT failed to calculate freight charge. DCT response do not have required information. (No Response Body / Response Missing Required Info from DCT)

200001	At least one item has invalid HS code.
200002	At least one item is Prohibited.

RATEREQUEST LANDEDCOST ADDITIONALQUANTITYTYPE ALLOWED VALUES

Allowed values for the AdditionalQuantityType field	
Quantity	
Code	**Description**
PCS	pieces (PCS)
DOZ	dozen (DOZ)
DPC	dozen pieces (DPC)
DPR	dozen pairs (DPR)
GRO	gross (GRO)
TEN	tens (TEN)
HUN	hundreds (HUN)
K	thousands (K)
PKG	package (PKG)
PKT	packet (PKT)
PR	pair (PR)
UNT	units (UNT)
Volume	
LTR	litres (LTR)
DAL	dekalitres (DAL)
HLT	hectolitres (HLT)
KL	kilolitres (KL)
CMQ	cubic centimetres (CMQ)
MTQ	cubic meters (MTQ)
KM3	1,000 cubic meters (KM3)

BBL	barrels (BBL)
CPS	cups (CPS)
PT	pints (PT)
QT	quarts (QT)
GAL	gallons (GAL)
Volume of alcohol	
LAL	litres of alcohol
Volume proof	
PFL	proof litres
PFG	proof gallons
Volume of wine	
WL	wine litres
WG	wine gallons
Weight clean yield	
CYG	clean yield gram
CYK	clean yield kilogram
Weight content	
CGM	content gram
CKG	content kilogram
CTN	content ton
Time	
HUR	Hours
MIN	Minutes
SEC	Seconds
Area	
MTK	square meters (MTK)
CMK	square centimetres (CMK)
FTK	square feet (FTK)

INK	square inches (INK)
KMK	square kilometres (KMK)
YDK	square yards (YDK)
Energy	
GJ	Gigajoule (GJ)
KWH	kilowatt hour (KWH)
MWH	megawatt hour (MWH)
GWH	gigawatt hour (GWH)
KCAL	kilocalorie (KCAL)
Frequency	
HTZ	hertz
KHZ	kilohertz
MHZ	megahertz
Length	
MMT	millimetres (MMT)
CMT	centimetres (CMT)
MTR	meters (MTR)
KTM	kilometres (KTM)
LNM	linear meters (LNM)
INH	inches (INH)
FOT	feet (FOT)
YRD	yards (YRD)
Weight	
MGM	milligrams (MGM)
CGM	content grams (CGM)
CG	centigrams (CG)
GRM	grams (GRM)
KGM	kilograms (KGM)

T	metric tons (T)
ONZ	ounces (ONZ)
LBR	pounds (LBR)
STN	short tons (STN)
TNE	tons (TNE)
Playing cards	
PC	per card
PHC	per hundred cards
Power	
WTT	watts
KWT	kilowatts
Pressure	
KPA	kilopascals
MPA	megapascals
Radioactivity	
MBQ	megabecquerels
GBQ	giqabecquerels
MCU	millicuries
CUR	curies
Radioactivity	
AC	Alternating Current (AC)
ASTM	American Society for Testing Materials (ASTM)
BC	Basic Cartons (BC)
BOT	Bottle (BOT)
BOX	Boxes (BOX)
BTL	British Thermal Unit (BTL)
BTU_PER_HR	British Thermal Unit Per Hour (BTU_PER_HR)
C	Celsius (C)

CE_EL	Number of Cells (CE_EL)
CT	Cartons (CT)
CTL	Carrying Capacity in Tons (CTL)
CU	Cubic (CU)
CY	Clean Yield (CY)
D	Denier (D)
DC	Direct Current (DC)
DEG	Degrees (DEG)
FBM	Fibre Meters (FBM)
FIB	Fibres (FIB)
GI_FS	Grams of Fissile Isotopes (GI_FS)
GRL	Gross Lines (GRL)
GT	Gross Ton (GT)
GVW	Gross Vehicle Weight (GVW)
HP	Horse Power (HP)
IMPERIAL_GALLON	Imperial Gallon (IMPERIAL_GALLON)
IRC	Internal Revenue Code (IRC)
JWL	Jewels (JWL)
KG_90PERCENT_SDT	Kilogram of Substance 90% Dry (KG_90PERCENT_SDT)
KG_BDC	Kilogram of Bio Diesel Content (KG_BDC)
KG_BEC	Kilogram of Bio Ethanol Content (KG_BEC)
KG_H2O2	Kilogram of Hydrogen Peroxide (KG_H2O2)
KG_K2O	Kilogram of Potassium Oxide (KG_K2O)
KG_KOH	Kilogram of Potassium Hydroxide (KG_KOH)
KG_METAM	Kilogram Methylamines (KG_METAM)
KG_N	Kilogram of Nitrogen (KG_N)
KG_NAOH	Kilogram of Sodium Hydroxide (KG_NAOH)
KG_NET_MAS	Kilogram Net Weight of Dry Matter (KG_NET_MAS)

KG_NETEDA	Kilogram Net Drained (KG_NETEDA)
KG_P2O5	Kilogram of Disphosphorus Pentaoxide (KG_P2O5)
KG_TOT_ALC	Kilograms of Total Alcohol (KG_TOT_ALC)
KG_U	Kilogram of Uranium (KG_U)
KGB	Kilogram Brut (KGB)
KGDL	Kilogram Dry Lactic Matter (KGDL)
KGL	Kilogram Lactic Matter (KGL)
KGND	Kilogram Net Drained (KGND)
KN	Kilonewtons (KN)
KSB	1000 Standard Bricks (KSB)
KTC	Kilogram of Tobacco Content (KTC)
KVA	Kilovolt - Amperes (KVA)
KVAR	Kilovolt - Amperes Reactive (KVAR)
LIN	Linear (LIN)
NM3	Normal Cubic Meter (NM3)
NOP	Number of Pieces (NOP)
ODE	Ozone Depletion Equivalent (ODE)
PF	Proof (PF)
PK	Pack (PK)
PWS	Percent Weight of Sucrose (PWS)
RPM	Revolutions Per Minute (RPM)
SBE	Standard Brick Equivalent (SBE)
SETS	Sets of Silverware (SETS)
SQ	Square (SQ)
ST	Sticks (ST)
TJ	Gross Caloric Value (TJ)
V	Volts (V)
WT	Weight (WT)

X	Quantity Not Required (X)

SHIPMENT DOCUMENT RETRIEVE ERRORS (EPOD)

Shipment Document Retrieve Error Codes		
Error Code	Error Text	Notes (if applicable)
100000	Service operation execution finished successfully	
100002	Service operation request message data validation failed	HP Global Imaging epod Service returned error code: No matching ePODs for search query
100010	When requesting ePod details account number and customer role must be provided	

<div style="background-color:red; color:white; padding:10px;">

SERVICE INPUT/OUTPUT EXAMPLES

</div>

SOAP RATEREQUEST: SAMPLE INPUT

```
<RateRequest>
        <ClientDetail>
        </ClientDetail>
        <RequestedShipment>
                <DropOffType>REQUEST_COURIER</DropOffType>
                <Ship>
                        <Shipper>
                                <StreetLines>1-16-24, Minami-gyotoku</StreetLines>
                                <City>Ichikawa-shi, Chiba</City>
                                <PostalCode>272-0138</PostalCode>
                                <CountryCode>JP</CountryCode>
                        </Shipper>
                        <Recipient>
                                <StreetLines>63 RENMIN LU, QINGDAO SHI</StreetLines>
                                <City>QINGDAO SHI</City>
                                <PostalCode>266033</PostalCode>
                                <CountryCode>CN</CountryCode>
                        </Recipient>
                </Ship>
                <Packages>
                        <RequestedPackages number="1">
                                <Weight>
                                        <Value>2.0</Value>
                                </Weight>
                                <Dimensions>
                                        <Length>13</Length>
                                        <Width>12</Width>
                                        <Height>9</Height>
                                </Dimensions>
                        </RequestedPackages>
                </Packages>
                <ShipTimestamp>2010-11-26T12:00:00GMT-06:00</ShipTimestamp>
                <UnitOfMeasurement>SU</UnitOfMeasurement>
                <Content>NON_DOCUMENTS</Content>
        <DeclaredValue>0000000200</DeclaredValue>
        <DeclaredValueCurrecyCode>USD</DeclaredValueCurrecyCode>
                <PaymentInfo>DAP</PaymentInfo>
                <Account> xxxxxxxxx</Account>
        </RequestedShipment>
</RateRequest>
```

SOAP RATEREQUEST: SAMPLE OUTPUT

```
<rateresp:RateResponse>
        <Provider code="DHL">
                <Notification code="0">
                        <Message/>
                </Notification>
                <Service type="8">
                        <TotalNet>
                                <Currency>JPY</Currency>
                                <Amount>20475.00</Amount>
                        </TotalNet>
                        <Charges>
                                <Currency>JPY</Currency>
                                <Charge>
                                        <ChargeType>EXPRESS EASY</ChargeType>
                                        <ChargeAmount>17500.00</ChargeAmount>
                                </Charge>
                                <Charge>
                                        <ChargeType>FUEL SURCHARGE</ChargeType>
                                        <ChargeAmount>2975.00</ChargeAmount>
                                </Charge>
                        </Charges>
                        <DeliveryTime>2010-12-02T23:59:00</DeliveryTime>
                </Service>
                <Service type="P">
                        <TotalNet>
                                <Currency>JPY</Currency>
                                <Amount>20569.00</Amount>
                        </TotalNet>
                        <Charges>
                                <Currency>JPY</Currency>
                                <Charge>
                                        <ChargeType>EXPRESS WORLDWIDE</ChargeType>
                                        <ChargeAmount>17580.00</ChargeAmount>
                                </Charge>
                                <Charge>
                                        <ChargeType>FUEL SURCHARGE</ChargeType>
                                        <ChargeAmount>2989.00</ChargeAmount>
                                </Charge>
                        </Charges>
                        <DeliveryTime>2010-12-02T23:59:00</DeliveryTime>
                </Service>
        </Provider>
</rateresp:RateResponse>
```

SOAP RATEREQUEST: REQUEST WITH ERROR

```
<rateresp:RateResponse>
        <Provider code="DHL">
                <Notification code="1003">
                        <Message>Pick-up service is not provided on this day.</Message>
                </Notification>
        </Provider>
</rateresp:RateResponse>
```

SOAP RATEREQUEST LANDEDCOST: SAMPLE INPUT

```xml
<RateRequest>
    <ClientDetail/>
    <Request>
      <ServiceHeader>
        <MessageTime>2018-07-31T13:30:00</MessageTime>
        <MessageReference>JWEDS1093EWD0134124994301023431</MessageReference>
      </ServiceHeader>
    </Request>
    <RequestedShipment>
      <ServiceType>X</ServiceType>
      <DropOffType>REGULAR_PICKUP</DropOffType>
      <Ship>
        <Shipper>
          <City>OVERATH</City>
          <PostalCode>51491</PostalCode>
          <CountryCode>DE</CountryCode>
        </Shipper>
        <Recipient>
          <City>OSNABRUECK</City>
          <PostalCode>49084</PostalCode>
          <CountryCode>DE</CountryCode>
        </Recipient>
      </Ship>
      <Packages>
        <RequestedPackages number="1">
          <Weight>
            <Value>3.4</Value>
          </Weight>
          <Dimensions>
            <Length>45</Length>
            <Width>30</Width>
            <Height>10</Height>
          </Dimensions>
        </RequestedPackages>
      </Packages>
      <ShipTimestamp>2018-08-22T09:30:00GMT+01:00</ShipTimestamp>
      <UnitOfMeasurement>SI</UnitOfMeasurement>
      <Content>NON_DOCUMENTS</Content>
      <DeclaredValue>20</DeclaredValue>
      <DeclaredValueCurrencyCode>EUR</DeclaredValueCurrencyCode>
      <Billing>
        <ShipperAccountNumber>111111111</ShipperAccountNumber>
        <ShippingPaymentType>S</ShippingPaymentType>
        <BillingAccountNumber>999999999</BillingAccountNumber>
      </Billing>
      <LandedCost>
        <MerchantSelectedCarrierName>DHL</MerchantSelectedCarrierName>
        <GetItemCostBreakdown>Y</GetItemCostBreakdown>
        <ShipmentCurrencyCode>EUR</ShipmentCurrencyCode>
        <ShipmentPurpose>PERSONAL</ShipmentPurpose>
        <ShipmentTransportationMode>AIR</ShipmentTransportationMode>
        <Items>
          <Item>
            <ItemNumber>2</ItemNumber>
            <Description>KNITWEAR COTTON</Description>
            <Remark>KNITWEAR 100% COTTON REDUCTION PRICE FALL COLLECTION</Remark>
            <ManufacturingCountryCode>DE</ManufacturingCountryCode>
            <SKUPartNumber>12345555</SKUPartNumber>
            <Quantity>150.345</Quantity>
            <UnitPrice>12.50</UnitPrice>
            <UnitPriceCurrencyCode>EUR</UnitPriceCurrencyCode>
            <ItemWeight>1.6</ItemWeight>
            <HarmonizedSystemCode>6110129090</HarmonizedSystemCode>
            <ItemWeightUnitofMeasurement>SI</ItemWeightUnitofMeasurement>
            <Category>APPAREL</Category>
          </Item>
        </Items>
        <ShipmentMonetaryAmount>
          <Charges>
            <ChargeType>FREIGHT</ChargeType>
            <ChargeAmount>19</ChargeAmount>
            <CurrencyCode>EUR</CurrencyCode>
          </Charges>
        </ShipmentMonetaryAmount>
      </LandedCost>
    </RequestedShipment>
  </RateRequest>
```

SOAP RATEREQUEST LANDEDCOST: SAMPLE OUTPUT

```xml
<RateResponse>
    <Provider code="DHL">
      <ServiceHeader>
        <MessageTime>2018-08-17T10:23:23</MessageTime>
        <MessageReference>JWEDS1093EWD0134124994301023431</MessageReference>
      </ServiceHeader>
      <Notification code="0">
        <Message/>
      </Notification>
      <Service>
        <TotalNet>
          <Currency>EUR</Currency>
          <Amount>2271.86</Amount>
        </TotalNet>
        <Charges>
          <Currency>EUR</Currency>
          <Charge>
            <ChargeType>DUTY</ChargeType>
            <ChargeAmount>0.00</ChargeAmount>
            <ChargeName>TOTAL DUTIES</ChargeName>
            <ChargeCurrencyCode>EUR</ChargeCurrencyCode>
          </Charge>
          <Charge>
            <ChargeType>TAX</ChargeType>
            <ChargeAmount>359.86</ChargeAmount>
            <ChargeName>TOTAL TAXES</ChargeName>
            <ChargeCurrencyCode>EUR</ChargeCurrencyCode>
          </Charge>
          <Charge>
            <ChargeType>FEE</ChargeType>
            <ChargeAmount>0.00</ChargeAmount>
            <ChargeName>TOTAL FEES</ChargeName>
            <ChargeCurrencyCode>EUR</ChargeCurrencyCode>
          </Charge>
          <Charge>
            <ChargeType>SINSV</ChargeType>
            <ChargeAmount>0.00</ChargeAmount>
            <ChargeCurrencyCode>EUR</ChargeCurrencyCode>
          </Charge>
          <Charge>
            <ChargeType>MACHG</ChargeType>
            <ChargeAmount>0.00</ChargeAmount>
            <ChargeCurrencyCode>EUR</ChargeCurrencyCode>
          </Charge>
          <Charge>
            <ChargeType>MFCHG</ChargeType>
            <ChargeAmount>19.00</ChargeAmount>
            <ChargeCurrencyCode>EUR</ChargeCurrencyCode>
          </Charge>
          <Charge>
            <ChargeType>SCUSV</ChargeType>
            <ChargeAmount>1875.00</ChargeAmount>
            <ChargeCurrencyCode>EUR</ChargeCurrencyCode>
          </Charge>
          <Charge>
            <ChargeType>STSCH</ChargeType>
            <ChargeAmount>18.00</ChargeAmount>
            <ChargeCurrencyCode>EUR</ChargeCurrencyCode>
          </Charge>
          <Charge>
            <ChargeCode>DD</ChargeCode>
            <ChargeType>Duty Tax Paid</ChargeType>
            <ChargeAmount>18.00</ChargeAmount>
          </Charge>
        </Charges>
        <Items>
          <Item>
            <ItemNumber>2</ItemNumber>
            <Charge>
              <ChargeType/>
              <ChargeAmount>1894.00</ChargeAmount>
              <ChargeName>CIF</ChargeName>
              <ChargeCurrencyCode>EUR</ChargeCurrencyCode>
            </Charge>
            <Charge>
              <ChargeType>DUTY</ChargeType>
              <ChargeAmount>0.00</ChargeAmount>
              <ChargeName>DUTY</ChargeName>
              <ChargeCurrencyCode>EUR</ChargeCurrencyCode>
            </Charge>
            <Charge>
              <ChargeType>TAX</ChargeType>
              <ChargeAmount>359.86</ChargeAmount>
              <ChargeName>VAT</ChargeName>
              <ChargeCurrencyCode>EUR</ChargeCurrencyCode>
            </Charge>
            <Charge>
              <ChargeType>DUTY</ChargeType>
              <ChargeAmount>0.00</ChargeAmount>
              <ChargeName>EXCISE</ChargeName>
              <ChargeCurrencyCode>EUR</ChargeCurrencyCode>
            </Charge>
          </Item>
        </Items>
      </Service>
    </Provider>
  </RateResponse>
```

SOAP RATEREQUEST LANDEDCOST: REQUEST WITH ERROR

```xml
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
    <rateresp:RateResponse xmlns:rateresp="http://scxgxtt.phx-dc.dhl.com/euExpressRateBook/RateMsgResponse">
      <Provider code="DHL">
        <ServiceHeader>
          <MessageTime>2018-08-17T10:35:08</MessageTime>
          <MessageReference>JWEDS1093EWD0134124994301023431</MessageReference>
        </ServiceHeader>
        <Notification code="200000" src="GTS">
          <Message>Invalid Message header originator country code value. Country code not supported in GTS. (Invalid Orgntr CtryCd value.
Not Supportable Country)</Message>
        </Notification>
        <Notification code="999">
          <Message>Process failure occurred. Please contact the Administrator with Error Sequence as '437551124'</Message>
        </Notification>
      </Provider>
    </rateresp:RateResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

REST RATEREQUEST: SAMPLE INPUT

```json
{
  "RateRequest" : {
    "ClientDetails" : null,
    "RequestedShipment" : {
      "DropOffType" : "REQUEST_COURIER",
      "ShipTimestamp" : "2017-09-15T11:00:00GMT+02:00",
      "UnitOfMeasurement" : "SU",
      "Content" : "NON_DOCUMENTS",
      "PaymentInfo" : "DAP",
      "NextBusinessDay" : "Y",
      "Account" : xxxxxxxxx,
      "Ship" : {
        "Shipper" : {
          "City" : "Washington, D.C.",
          "PostalCode" : 20004,
          "CountryCode" : "US"
        },
        "Recipient" : {
          "City" : "canberra",
          "PostalCode" : 2601,
          "CountryCode" : "AU"
        }
      },
      "Packages" : {
        "RequestedPackages" : {
          "@number" : "1",
          "Weight" : {
            "Value" : 8.82
          },
          "Dimensions" : {
            "Length" : 4.33,
            "Width" : 4.33,
            "Height" : 4.33
          }
        }
      }
    }
  }
}
```

REST RATEREQUEST: SAMPLE OUTPUT

```
{"RateResponse": {"Provider": {
 "@code": "DHL",
 "Notification":   {
   "@code": "0",
   "Message": null
 },
 "Service":   [
       {
     "@type": "Q",
     "TotalNet":        {
       "Currency": "GBP",
       "Amount": 233.03
     },
     "Charges":        {
       "Currency": "GBP",
       "Charge":         [
               {
           "ChargeType": "MEDICAL EXPRESS",
           "ChargeAmount": 208.53
         },
               {
           "ChargeType": "FUEL SURCHARGE",
           "ChargeAmount": 24.5
         }
       ]
     },
     "DeliveryTime": "2017-09-18T09:00:00",
     "CutoffTime": "2017-09-15T19:00:00",
     "NextBusinessDayInd": "N"
   },
       {
     "@type": "Y",
     "TotalNet":        {
       "Currency": "GBP",
       "Amount": 238.62
     },
     "Charges":        {
       "Currency": "GBP",
       "Charge":         [
               {
           "ChargeType": "EXPRESS 12:00",
           "ChargeAmount": 208.53
         },
               {
           "ChargeType": "12:00 PREMIUM",
           "ChargeAmount": 5
         },
               {
           "ChargeType": "FUEL SURCHARGE",
           "ChargeAmount": 25.09
         }
       ]
     },
     "DeliveryTime": "2017-09-18T12:00:00",
     "CutoffTime": "2017-09-15T19:00:00",
     "NextBusinessDayInd": "N"
   },
       {
     "@type": "P",
     "TotalNet":        {
       "Currency": "GBP",
       "Amount": 18.9
     },
     "Charges":        {
       "Currency": "GBP",
       "Charge":         [
               {
           "ChargeType": "EXPRESS WORLDWIDE",
           "ChargeAmount": 16.15
         },
               {
           "ChargeType": "FUEL SURCHARGE",
           "ChargeAmount": 24.5
         },
               {
           "ChargeType": "FUEL SURCHARGE",
           "ChargeAmount": 2.75
         }
       ]
     },
     "DeliveryTime": "2017-09-18T23:59:00",
     "CutoffTime": "2017-09-15T19:00:00",
     "NextBusinessDayInd": "N"
   }
 ]
}}}
```

REST RATEREQUEST LANDEDCOST: SAMPLE INPUT

```json
{
 "RateRequest" : {
        "Request": {
   "ServiceHeader": {
     "MessageTime": "2018-07-31T13:30:00",
     "MessageReference": "JWEDS1093EWD0134124994301023431"
   }
 },
 "ClientDetails" : null,
 "RequestedShipment" : {
   "DropOffType" : "REQUEST_COURIER",
   "ShipTimestamp" : "2017-09-15T11:00:00GMT+02:00",
   "UnitOfMeasurement" : "SU",
   "Content" : "NON_DOCUMENTS",
   "PaymentInfo" : "DAP",
   "NextBusinessDay" : "Y",
   "Billing": {
     "ShipperAccountNumber": "111111111",
     "ShippingPaymentType": "S",
     "BillingAccountNumber": "999999999"
   },
   "SpecialServices": {
     "Service": { "ServiceType": "DD" }
   },
   "Ship": {
     "Shipper": {
       "City": "OVERATH",
       "PostalCode": "51491",
       "CountryCode": "DE"
     },
     "Recipient": {
       "City": "OSNABRUECK",
       "PostalCode": "49084",
       "CountryCode": "DE"
     }
   },
   "Packages" : {
     "RequestedPackages" : {
       "@number" : "1",
       "Weight" : {
         "Value" : 8.82
       },
       "Dimensions" : {
         "Length" : 4.33,
         "Width" : 4.33,
         "Height" : 4.33
       }
     }
   },
   "LandedCost": {
     "MerchantSelectedCarrierName": "DHL",
     "GetItemCostBreakdown": "Y",
     "ShipmentCurrencyCode": "EUR",
     "ShipmentPurpose": "PERSONAL",
     "ShipmentTransportationMode": "AIR",
     "Items": {
       "Item": {
         "ItemNumber": "1",
         "Description": "KNITWEAR COTTON",
         "Remark": "KNITWEAR 100% COTTON REDUCTION PRICE FALL COLLECTION",
         "ManufacturingCountryCode": "DE",
         "SKUPartNumber": "12345555",
         "Quantity": "150.345",
         "UnitPrice": "12.50",
         "UnitPriceCurrencyCode": "EUR",
         "ItemWeight": "1.6",
         "HarmonizedSystemCode": "6110129090",
         "ItemWeightUnitofMeasurement": "SI",
         "Category": "APPAREL"
       }
     },
     "ShipmentMonetaryAmount": {
       "Charges": {
         "ChargeType": "FREIGHT",
         "ChargeAmount": "9",
         "CurrencyCode": "EUR"
       }
     }
   }
 }
}
```

REST RATEREQUEST LANDEDCOST: SAMPLE OUTPUT

```
{"RateResponse": {"Provider": [{
  "@code": "DHL",
  "ServiceHeader":   {
    "MessageTime": "2018-08-16T18:14:02",
    "MessageReference": "JWEDS1093EWD0134124994301023431"
  },
  "Notification": [  {
    "@code": "0",
    "Message": null
  }],
  "Service": [  {
    "TotalNet":       {
      "Currency": "EUR",
      "Amount": 2259.96
    },
    "Charges":       {
      "Currency": "EUR",
      "Charge":        [
                  {
          "ChargeType": "DUTY",
          "ChargeAmount": 0,
          "ChargeName": "TOTAL DUTIES",
          "ChargeCurrencyCode": "EUR"
        },
                  {
          "ChargeType": "TAX",
          "ChargeAmount": 357.96,
          "ChargeName": "TOTAL TAXES",
          "ChargeCurrencyCode": "EUR"
        },
                  {
          "ChargeType": "FEE",
          "ChargeAmount": 0,
          "ChargeName": "TOTAL FEES",
          "ChargeCurrencyCode": "EUR"
        },
                  {
          "ChargeType": "SINSV",
          "ChargeAmount": 0,
          "ChargeCurrencyCode": "EUR"
        },
                  {
          "ChargeType": "MACHG",
          "ChargeAmount": 0,
          "ChargeCurrencyCode": "EUR"
        },
                  {
          "ChargeType": "MFCHG",
          "ChargeAmount": 9,
          "ChargeCurrencyCode": "EUR"
        },
                  {
          "ChargeType": "SCUSV",
          "ChargeAmount": 1875,
          "ChargeCurrencyCode": "EUR"
        },
                  {
          "ChargeType": "STSCH",
          "ChargeAmount": 18,
          "ChargeCurrencyCode": "EUR"
        },
                  {
          "ChargeCode": "DD",
          "ChargeType": "Duty Tax Paid",
          "ChargeAmount": 18
        }
      ]
    },
    "Items": {"Item":      [{
      "ItemNumber": 1,
      "Charge":        [
                  {
          "ChargeType": null,
          "ChargeAmount": 1884,
          "ChargeName": "CIF",
          "ChargeCurrencyCode": "EUR"
        },
                  {
          "ChargeType": "DUTY",
          "ChargeAmount": 0,
          "ChargeName": "DUTY",
          "ChargeCurrencyCode": "EUR"
        },
                  {
          "ChargeType": "TAX",
          "ChargeAmount": 357.96,
          "ChargeName": "VAT",
          "ChargeCurrencyCode": "EUR"
        },
                  {
          "ChargeType": "DUTY",
          "ChargeAmount": 0,
          "ChargeName": "EXCISE",
          "ChargeCurrencyCode": "EUR"
        }
      ]
    }}
  }]
}]}}
```

REST RATEREQUEST LANDEDCOST: REQUEST WITH ERROR

```
{"RateResponse": {"Provider": [{
  "@code": "DHL",
  "ServiceHeader":    {
    "MessageTime": "2018-08-17T11:00:40",
    "MessageReference": "JWEDS1093EWD0134124994301023431"
  },
  "Notification":    [
    {"Message": "The account number is not found or invalid. Please check the account number and retry."},
       {
      "@code": "999",
      "Message": "Process failure occurred. Please contact the Administrator with Error Sequence as '437561159'"
    }
  ]
}]}}
```

13.   SERVICE INPUT/OUTPUT EXAMPLES FOR SHIPMENTREQUEST

SOAP SHIPMENTREQUEST: SAMPLE INPUT

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ShipmentRequest xsi:noNamespaceSchemaLocation="ShipmentMsgRequest.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<shipreq:ShipmentRequest>
        <RequestedShipment>
                <ShipmentInfo>
                        <DropOffType>REQUEST_COURIER</DropOffType>
                        <ServiceType>U</ServiceType>
                        <Account> XXXXXXXXX</Account>
                        <Currency>EUR</Currency>
                        <UnitOfMeasurement>SI</UnitOfMeasurement>
                        <PackagesCount>1</PackagesCount>
                        <LabelType>PDF</LabelType>
                        <LabelTemplate>ECOM26_84_001</LabelTemplate>
                </ShipmentInfo>
                <ShipTimestamp>2010-10-29T09:30:47GMT+01:00</ShipTimestamp>
                <PickupLocationCloseTime>16:12</PickupLocationCloseTime>
                <SpecialPickupInstruction>fragile items</SpecialPickupInstruction>
                <PickupLocation>west wing 3rd Floor</PickupLocation>
                <PaymentInfo>DAP</PaymentInfo>
                <InternationalDetail>
                        <Commodities>
                                <NumberOfPieces>1</NumberOfPieces>
                                <Description>ppps sd</Description>
                                <CountryOfManufacture>CZ</CountryOfManufacture>
                                <Quantity>1</Quantity>
                                <UnitPrice>10</UnitPrice>
                                <CustomsValue>1</CustomsValue>
                        </Commodities>
                        <Content>NON_DOCUMENTS</Content>
                </InternationalDetail>
                <Ship>
                        <Shipper>
                                <Contact>
                                        <PersonName>John Smith</PersonName>
                                        <CompanyName>DHL</CompanyName>
                                        <PhoneNumber>003932423423</PhoneNumber>
                                        <EmailAddress>John.Smith@dhl.com</EmailAddress>
                                </Contact>
                                <Address>
                                        <StreetLines>V Parku 2308/10</StreetLines>
                                        <City>Prague</City>
                                        <PostalCode>14800</PostalCode>
                                        <CountryCode>CZ</CountryCode>
                                </Address>
                        </Shipper>
                        <Recipient>
                                <Contact>
                                        <PersonName>Jane Smith</PersonName>
                                        <CompanyName>Deutsche Post DHL</CompanyName>
                                        <PhoneNumber>004922832432423</PhoneNumber>
                                        <EmailAddress>Jane.Smith@dhl.de</EmailAddress>
                                </Contact>
                                <Address>
                                        <StreetLines>Via Felice Matteucci 2</StreetLines>
                                        <City>Firenze</City>
                                        <PostalCode>50127</PostalCode>
                                        <CountryCode>IT</CountryCode>
                                </Address>
                        </Recipient>
                </Ship>
                <Packages>
                        <RequestedPackages number="1">
                                <InsuredValue>10</InsuredValue>
                                <Weight>9.0</Weight>
                                <Dimensions>
                                        <Length>46</Length>
                                        <Width>34</Width>
                                        <Height>31</Height>
                                </Dimensions>
                                <CustomerReferences>TEST CZ-IT</CustomerReferences>
                        </RequestedPackages>
                </Packages>
        </RequestedShipment>
</shipreq:ShipmentRequest>
```

SOAP SHIPMENTREQUEST: SAMPLE OUTPUT

```
<ShipmentResponse xmlns:shipresp="http://scxgxtt.phx-dc.dhl.com/euExpressRateBook/ShipmentMsgResponse">
        <Notification code="0">
                <Message/>
        </Notification>
        <PackagesResult>
                <PackageResult number="1">
                        <TrackingNumber>JD012038742880009933</TrackingNumber>
                </PackageResult>
        </PackagesResult>
        <LabelImage>
                <LabelImageFormat>PDF</LabelImageFormat>
                <GraphicImage>JVBERi0xLjQKJe…GraphicImage>
        </LabelImage>
        <ShipmentIdentificationNumber>2324866051</ShipmentIdentificationNumber>
<DispatchConfirmationNumber>PRG999126012345</DispatchConfirmationNumber>
</ShipmentResponse>
```

SOAP SHIPMENTREQUEST: SAMPLE REQUEST WITH ERROR

```
<ShipmentResponse xmlns:shipresp="http://scxgxtt.phx-dc.dhl.com/euExpressRateBook/ShipmentMsgResponse">
        <Notification code="1001">
                <Message>The requested product(s) (X) not available based on your search criteria.(8614)</Message>
        </Notification>
        <Notification code="998">
                <Message>Process failure occurred. Process ID associated for that transaction (8614)</Message>
        </Notification>
</ShipmentResponse>
```

REST SHIPMENTREQUEST: SAMPLE INPUT

```
{
  "ShipmentRequest" : {
    "RequestedShipment" : {
      "ShipmentInfo" : {
        "DropOffType" : "REGULAR_PICKUP",
        "ServiceType" : "P",
        "Account" : XXXXXXXXX,
        "Currency" : "SGD",
        "UnitOfMeasurement" : "SI"
      },
      "ShipTimestamp" : "2017-09-21T12:30:47GMT+01:00",
      "PaymentInfo" : "DAP",
      "InternationalDetail" : {
        "Commodities" : {
          "NumberOfPieces" : 2,
          "Description" : "Customer Reference 1",
          "CountryOfManufacture" : "CN",
          "Quantity" : 1,
          "UnitPrice" : 5,
          "CustomsValue" : 10
        },
        "Content" : "NON_DOCUMENTS"
      },
      "Ship" : {
        "Shipper" : {
          "Contact" : {
            "PersonName" : "Tester 1",
            "CompanyName" : "DHL",
            "PhoneNumber" : 2175441239,
            "EmailAddress" : "jb@acme.com"
          },
          "Address" : {
            "StreetLines" : "#05-33 Singapore Post Centre",
            "City" : "Singapore ",
            "PostalCode" : 408600,
            "CountryCode" : "SG"
          }
        },
        "Recipient" : {
          "Contact" : {
            "PersonName" : "Tester 2",
            "CompanyName" : "Acme Inc",
            "PhoneNumber" : 88347346643,
            "EmailAddress" : "jackie.chan@eei.com"
          },
          "Address" : {
            "StreetLines" : "500 Hunt Valley Road",
            "City" : "New Kensington PA",
            "StateOrProvinceCode" : "PA",
            "PostalCode" : 15068,
            "CountryCode" : "US"
          }
        }
      },
      "Packages" : {
        "RequestedPackages" : [ {
          "@number" : "1",
          "Weight" : 2,
          "Dimensions" : {
            "Length" : 1,
            "Width" : 2,
            "Height" : 3
          },
          "CustomerReferences" : "Piece 1"
        }, {
          "@number" : "2",
          "Weight" : 2,
          "Dimensions" : {
            "Length" : 1,
            "Width" : 2,
            "Height" : 3
          },
          "CustomerReferences" : "Piece 2"
        } ]
      }
    }
  }
}
```

REST SHIPMENTREQUEST: SAMPLE OUTPUT

```
{
  "ShipmentResponse":{
    "Notification":{
      "@code":"0",
      "Message":null
    },
    "PackagesResult":{
      "PackageResult":[
        {
          "@number":"1",
          "TrackingNumber":"JD012959120890065400"
        },
        {
          "@number":"2",
          "TrackingNumber":"JD012959120890065401"
        }
      ]
    },
    "LabelImage":{
      "LabelImageFormat":"PDF",
      "GraphicImage":"JVBERi0....."
    },
    "ShipmentIdentificationNumber":1117120421
  }
}
```

REST SHIPMENTREQUEST: SAMPLE REQUEST WITH ERROR

```
{
  "ShipmentResponse":{
    "Notification":[
      {
        "@code":"998",
        "Message":"The shipment date cannot be in the past or more than 10 days in future. Please check the shipment date and retry.'"
      },
      {
        "@code":"999",
        "Message":"Process failure occurred. Process ID associated for that transaction (54293765)"
      }
    ]
  }
}
```

14. SERVICE INPUT/OUTPUT EXAMPLES FOR SHIPMENTDELETEREQUEST

SOAP SHIPMENTDELETEREQUEST: SAMPLE INPUT

```xml
<?xml version="1.0" encoding="UTF-8"?>
<del:DeleteRequest>
        <PickupDate>2010-12-03</PickupDate>
        <PickupCountry>IT</PickupCountry>
        <DispatchConfirmationNumber>FLR-804</DispatchConfirmationNumber>
        <RequestorName>Tom Jones</RequestorName>
        <Reason>001</Reason>
</del:DeleteRequest>
```

SOAP SHIPMENTDELETEREQUEST: SAMPLE OUTPUT

```xml
<?xml version="1.0" encoding="UTF-8"?>
<delresp:DeleteResponse>
        <Notification code="0">
                <Message>Successfully cancelled</Message>
        </Notification>
</delresp:DeleteResponse>
```

SOAP SHIPMENTDELETEREQUEST: SAMPLE REQUEST WITH ERROR

```xml
<?xml version="1.0" encoding="UTF-8"?>
<delresp:DeleteResponse>
        <Notification code="410928">
                <Message>Cancellation of booking was not successful. Requested Pickup was not found.</Message>
        </Notification>
</delresp:DeleteResponse>
```

REST SHIPMENTDELETEREQUEST: SAMPLE INPUT

```json
{
  "DeleteRequest" : {
    "PickupDate" : "2017-07-24",
    "PickupCountry" : "SG",
    "DispatchConfirmationNumber" : "SIN-952041",
    "RequestorName" : "Terry Kelly",
    "Reason" : "001"
  }
}
```

REST SHIPMENTDELETEREQUEST: SAMPLE OUTPUT

```json
{
  "DeleteResponse":{
    "Notification":{
      "@code":"0",
      "Message":"Successfully cancelled"
    }
  }
}
```

REST SHIPMENTDELETEREQUEST: SAMPLE REQUEST WITH ERROR

```json
{
  "DeleteResponse":{
    "Notification":{
      "@code":"410928",
      "Message":"Cancellation of booking was not successful. Requested Pickup was not found."
    }
  }
}
```

15. SERVICE INPUT/OUTPUT EXAMPLES FOR TRACKINGREQUEST

SOAP TRACKINGREQUEST: SAMPLE INPUT

```
<trackShipmentRequest>
        <trackingRequest>
                <TrackingRequest>
                        <Request>
                                <ServiceHeader>
                                        <MessageTime>2010-11-24T00:17:20Z</MessageTime>
                                        <MessageReference>1234</MessageReference>
                                </ServiceHeader>
                        </Request>
                        <AWBNumber>
                                <ArrayOfAWBNumberItem>2330982222</ArrayOfAWBNumberItem>
                        </AWBNumber>
                        <LevelOfDetails>ALL_CHECK_POINTS</LevelOfDetails>
                        <PiecesEnabled>B</PiecesEnabled>
                </TrackingRequest>
        </trackingRequest>
</trackShipmentRequest>
```

SOAP TRACKINGREQUEST: SAMPLE OUTPUT

```xml
<trackingResponse xmlns:ns="http://www.dhl.com">
        <TrackingResponse>
                <Response>
                        <ServiceHeader>
                                <MessageTime>2011-01-12T18:41:12Z</MessageTime>
                                <MessageReference>86ef86501e7b11e08c81df5507f6bac8</MessageReference>
                        </ServiceHeader>
                </Response>
                <AWBInfo>
                        <ArrayOfAWBInfoItem>
                                <AWBNumber>2331017371</AWBNumber>
                                <Status>
                                        <ActionStatus>Success</ActionStatus>
                                </Status>
                                <ShipmentInfo>
                                        <OriginServiceArea>
                                                <ServiceAreaCode>FLR</ServiceAreaCode>
                                                <Description>Florence - Italy</Description>
                                        </OriginServiceArea>
                                        <DestinationServiceArea>
                                                <ServiceAreaCode>BRI</ServiceAreaCode>
                                                <Description>Bari - Italy</Description>
                                                <FacilityCode>WAD</FacilityCode>
                                        </DestinationServiceArea>
                                        <ShipperName>NUOVO PIGNONE SPA</ShipperName>
                                        <ConsigneeName>NUOVO PIGNONESPA</ConsigneeName>
                                        <ShipmentDate>2010-11-09T14:33:00+01:00</ShipmentDate>
                                        <Pieces>1</Pieces>
                                        <Weight>0.500</Weight>
                                        <ShipmentEvent>
                                                <ArrayOfShipmentEventItem>
                                                        <Date>2010-11-10</Date>
                                                        <Time>15:12:00</Time>
                                                        <ServiceEvent>
                                                                <EventCode>MD</EventCode>
                                                                <Description>Missed Delivery Cycle</Description>
                                                        </ServiceEvent>
                                                        <Signatory/>
                                                        <ServiceArea>
                                                                <ServiceAreaCode>BRI</ServiceAreaCode>
                                                                <Description>Bari - Italy</Description>
                                                        </ServiceArea>
                                                </ArrayOfShipmentEventItem>
                                        </ShipmentEvent>
                                </ShipmentInfo>
                                <Pieces>
                                        <PieceInfo>
                                                <ArrayOfPieceInfoItem>
                                                        <PieceDetails>
                                                                <AWBNumber>2331017371</AWBNumber>
                                                                <LicensePlate>JD012038742880020267</LicensePlate>
                                                                <ActualDepth>0.000</ActualDepth>
                                                                <ActualWidth>0.000</ActualWidth>
                                                                <ActualHeight>0.000</ActualHeight>
                                                                <Depth>1.000</Depth>
                                                                <Width>1.000</Width>
                                                                <Height>1.000</Height>
                                                                <Weight>0.500</Weight>
                                                                <PackageType/>
                                                                <DimWeight>0.520</DimWeight>
                                                                <WeightUnit>KG</WeightUnit>
                                                        </PieceDetails>
                                                        <PieceEvent>
                                                                <ArrayOfPieceEventItem>
                                                                        <Date>2010-11-11</Date>
                                                                        <Time>11:52:00</Time>
                                                                        <ServiceEvent>
                                                                                <EventCode>OK</EventCode>
                                                                                <Description>Delivery</Description>
                                                                        </ServiceEvent>
                                                                        <Signatory>DEPALMA</Signatory>
                                                                        <ServiceArea>
                                                                                <ServiceAreaCode>BRI</ServiceAreaCode>
                                                                                <Description>Bari - Italy</Description>
                                                                        </ServiceArea>
                                                                        <ShipperReference>
```

SOAP TRACKINGREQUEST: SAMPLE ERROR

```
<trackingResponse xmlns:ns="http://www.dhl.com">
        <TrackingResponse>
                <Response>
                        <ServiceHeader>
                                <MessageTime>2011-01-12T17:40:58Z</MessageTime>
                                <MessageReference>1d136ec01e7311e0a468e3cd6e9dbbd4</MessageReference>
                        </ServiceHeader>
                </Response>
                <AWBInfo>
                        <ArrayOfAWBInfoItem>
                                <AWBNumber>2330982222</AWBNumber>
                                <Status>
                                        <ActionStatus>No Shipments Found</ActionStatus>
                                        <Condition>
                                                <ArrayOfConditionItem>
                                                        <ConditionCode>101</ConditionCode>
                                                        <ConditionData>No Shipments Found for AWBNumber |
2330982222</ConditionData>
                                                </ArrayOfConditionItem>
                                        </Condition>
                                </Status>
                        </ArrayOfAWBInfoItem>
                </AWBInfo>
        </TrackingResponse>
</trackingResponse>
```

REST TRACKINGREQUEST: SAMPLE INPUT

```
{
   "trackShipmentRequest":{
      "trackingRequest":{
         "TrackingRequest":{
            "Request":{
               "ServiceHeader":{
                  "MessageTime":"2017-10-10T12:40:00Z",
                  "MessageReference":"896ab310ba5311e38d9ffb21b7e57543"
               }
            },
            "AWBNumber":{
               "ArrayOfAWBNumberItem":7780184230
            },
            "LevelOfDetails":"ALL_CHECK_POINTS",
            "PiecesEnabled":"B"
         }
      }
   }
}
```

REST TRACKINGREQUEST: SAMPLE OUTPUT

```
{
  "trackShipmentRequestResponse":{
    "trackingResponse":{
      "TrackingResponse":{
        "Response":{
          "ServiceHeader":{
            "MessageTime":"2017-09-21T10:59:13",
            "MessageReference":"6ea09520923c143aabd7daed6f9f814c"
          }
        },
        "AWBInfo":{
          "ArrayOfAWBInfoItem":{
            "AWBNumber":7780184230,
            "Status":{
              "ActionStatus":"Success"
            },
            "ShipmentInfo":{
              "OriginServiceArea":{
                "ServiceAreaCode":"KUL",
                "Description":"-"
              },
              "DestinationServiceArea":{
                "ServiceAreaCode":"SIN",
                "Description":"Singapore-SG",
                "FacilityCode":"PEK"
              },
              "ShipperName":"FRESIA AGUIRRE RIVERA ",
              "ConsigneeName":"EMEC INT TRADING ",
              "ShipmentDate":"2015-10-11T16:00:00",
              "Pieces":1,
              "Weight":1,
              "ShipmentEvent":{
                "ArrayOfShipmentEventItem":[
                  {
                    "Date":"2015-10-12",
                    "Time":"00:00:00",
                    "ServiceEvent":{
                      "EventCode":"PU",
                      "Description":"Shipment Pickup "
                    },
                    "ServiceArea":{
                      "ServiceAreaCode":"KUL",
                      "Description":"Kuala Lumpur-MY"
                    }
                  },
                  {
                    "Date":"2015-10-12",
                    "Time":"00:00:11",
                    "ServiceEvent":{
                      "EventCode":"OK",
                      "Description":"Delivery "
                    },
                    "Signatory":"TEST99",
                    "ServiceArea":{
                      "ServiceAreaCode":"KUL",
                      "Description":"Kuala Lumpur-MY"
                    }
                  }
                ]
              }
            }
          }
        },
        "Pieces":{
          "PieceInfo":{
            "ArrayOfPieceInfoItem":{
              "PieceDetails":{
                "AWBNumber":7780184230,
                "LicensePlate":"JD013060280590274678",
                "ActualDepth":39.5,
                "ActualWidth":25.5,
                "ActualHeight":29,
                "Depth":25,
                "Width":18,
                "Height":5,
                "Weight":2.78,
                "PackageType":null,
                "DimWeight":4.75,
                "WeightUnit":"KG"
              },
              "PieceEvent":{
                "ArrayOfPieceEventItem":[
                  {
                    "Date":"2013-10-02",
                    "Time":"13:15:00",
                    "ServiceEvent":{
                      "EventCode":"PU",
                      "Description":"Shipment Pickup "
                    },
                    "ServiceArea":{
                      "ServiceAreaCode":"BCN",
                      "Description":"Barcelona-ES"
                    },
                    "ShipperReference":{
                      "ReferenceID":null
                    }
                  }
                ]
              }
            }
          }
        }
      }
    }
  }
}
```

REST TRACKINGREQUEST: SAMPLE ERROR

```
{
  "trackShipmentRequestResponse":{
    "trackingResponse":{
      "TrackingResponse":{
        "Response":{
          "ServiceHeader":{
            "MessageTime":"2017-09-21T11:10:55",
            "MessageReference":"46076490c5db1c75a95ebf67a4977f89"
          }
        },
        "AWBInfo":{
          "ArrayOfAWBInfoItem":{
            "AWBNumber":7782184230,
            "Status":{
              "ActionStatus":"No Shipments Found",
              "Condition":{
                "ArrayOfConditionItem":{
                  "ConditionCode":101,
                  "ConditionData":"No Shipments Found for AWBNumber | 7782184230"
                }
              }
            }
          }
        }
      }
    }
  }
}
```

16. SERVICE INPUT/OUTPUT EXAMPLES FOR EPOD

SOAP EPOD: SAMPLE INPUT

```
<doc:shipmentDocumentRetrieveReq>
    <MSG>
      <Hdr Id="123testrq" Ver="1.038" Dtm="2011-04-07T23:59:59">
        <Sndr AppNm="DCG" AppCd="DCG"/>
      </Hdr>
      <Bd>
        <Shp Id="2638825350">
        <ShpTr>
            <!--Zero or more repetitions:-->
            <SCDtl AccNo="000000000" CRlTyCd="TC"/>
        </ShpTr>
        <ShpInDoc>
            <SDoc DocTyCd="POD"/>
        </ShpInDoc>
        </Shp>
          <GenrcRq>
          <GenrcRqCritr TyCd="IMG_CONTENT" Val="epod-detail-esig"/>
          <GenrcRqCritr TyCd="IMG_FORMAT" Val="PDF"/>
          <GenrcRqCritr TyCd="DOC_RND_REQ" Val="true"/>
          <GenrcRqCritr TyCd="EXT_REQ" Val="true"/>
          <GenrcRqCritr TyCd="DUPL_HANDL" Val="CORE_WB_NO"/>
          <GenrcRqCritr TyCd="SORT_BY" Val="$INGEST_DATE,D"/>
          <GenrcRqCritr TyCd="LANGUAGE" Val="en"/>
          </GenrcRq>
      </Bd>
    </MSG>
</doc:shipmentDocumentRetrieveReq>
```

SOAP EPOD: SAMPLE OUTPUT

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
    <tns:shipmentDocumentRetrieveResp xmlns:tns="glDHLExpressePOD/providers/DocumentRetrieve">
      <MSG>
        <Hdr Id="73475768" Ver="1.038" Dtm="2013-05-24T20:34:34">
          <Sndr AppCd="ESB" AppNm="ESB"/>
          <Rcp AppCd="DCG" AppNm="DCG">
            <Gld Id="SunnyTesting" IdTp="RQMSGID"/>
          </Rcp>
        </Hdr>
        <Bd>
          <Shp>
            <ShpInDoc>
              <SDoc DocTyCd="POD">
                <Img Img="JVBERi0xLjQKJeLjz9MKNiAwIG9.....==" ImgMimeTy="application/pdf"/>
              </SDoc>
            </ShpInDoc>
          </Shp>
        </Bd>
        <DatTrErr>
          <OrgHdr CorrId="SunnyTesting"/>
          <Rp CmptNm="DocumentManagement.ShipmentDocumentRetrieveProvider"/>
          <ErrMsgGl Ty="CF" Pri="2" Sev="10"/>
          <DatErrMsg>
            <ErrMsgDtl MsgClgd="100000" MsgClg="IPESB" Dsc="Service operation execution finished successfully" DtlDsc="Service
operation execution finished successfully"/>
          </DatErrMsg>
        </DatTrErr>
      </MSG>
    </tns:shipmentDocumentRetrieveResp>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

SOAP EPOD: SAMPLE ERROR RESPONSE

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsd="http://www.w3.org/20
01/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"></SOAP-ENV:Header><SOAP-ENV:Body>
<tns:shipmentDocumentRetrieveResp xmlns:tns="DocumentManagement/WSConsumer/WS/DocumentManagement">
<MSG>
<Hdr Id="72048040" Ver="1.038" Dtm="2013-05-16T13:58:09">
  <Sndr AppCd="ESB" AppNm="ESB"></Sndr>
  <Rcp AppCd="WEBP" AppNm="WEBP">
    <Gld Id="1368626289303" IdTp="RQMSGID"></Gld>
  </Rcp>
</Hdr>
<DatTrErr>
  <OrgHdr CorrId="1368626289303"></OrgHdr>
  <Rp CmptNm="DocumentManagement.ShipmentDocumentRetrieveProvider"></Rp>
  <ErrMsgGl Ty="CF" Pri="2" Sev="40"></ErrMsgGl>
  <DatErrMsg>
    <ErrMsgDtl MsgClgd="100002" MsgClg="IPESB" Dsc="Service operation request message data validation failed" DtlDsc="HP Global
Imaging epod Service returned error co
de:No matching ePODs for search query"></ErrMsgDtl>
  </DatErrMsg>
</DatTrErr>
</MSG></tns:shipmentDocumentRetrieveResp></SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

REST EPOD: SAMPLE INPUT

```json
{
        "shipmentDocumentRetrieveReq":
            {
  "MSG": {
    "Hdr": {
      "@Dtm": "2013-04-16T23:59:59",
      "@Id": "SunnyTesting",
      "@Ver": "1.038",
      "Sndr": {
        "@AppCd": "DCG",
        "@AppNm": "DCG",
        "@CmptNm": "HP"
      }
    },
    "Bd": {
      "Shp": {
        "@Id": "8564385550",
        "ShpInDoc": {
          "SDoc": {
            "@DocTyCd": "POD"
          }
        }
      },
      "GenrcRq": {"GenrcRqCritr":[
        {
          "@TyCd": "IMG_CONTENT",
          "@Val": "epod-summary-esig"
        },
        {
          "@TyCd": "IMG_FORMAT",
          "@Val": "PDF"
        },
        {
          "@TyCd": "DOC_RND_REQ",
          "@Val": "true"
        },
        {
          "@TyCd": "EXT_REQ",
          "@Val": "true"
        },
        {
          "@TyCd": "DUPL_HANDL",
          "@Val": "CORE_WB_NO"
        },
        {
          "@TyCd": "SORT_BY",
          "@Val": "$INGEST_DATE,D"
        },
        {
          "@TyCd": "LANGUAGE",
          "@Val": "en"
        }
      ]]
    }
  }
}
}
```

REST EPOD: SAMPLE OUTPUT

```
{"shipmentDocumentRetrieveResp": {"MSG": {
  "Hdr":    {
    "@Ver": "1.038",
    "@Id": "288890093",
    "@Dtm": "2018-01-26T08:08:20",
    "Sndr":      {
      "@AppNm": "ESB",
      "@AppCd": "ESB"
    },
    "Rcp":      {
      "@AppNm": "DCG",
      "@AppCd": "DCG",
      "GId":       {
        "@Id": "SunnyTesting",
        "@IdTp": "RQMSGID"
      }
    }
  },
  "Bd": {"Shp": {"ShpInDoc": {"SDoc":    {
    "@DocTyCd": "POD",
    "Img":      {
      "@ImgMimeTy": "application/pdf",
      "@Img": "JVBERi0xLXXXXX........"
    }
  }}}},
  "DatTrErr":    {
    "OrgHdr": {"@CorrId": "SunnyTesting"},
    "Rp": {"@CmptNm": "GWSManagement.ShipmentDocumentRetrieveRequestProvider"},
    "ErrMsgGl":    {
      "@Pri": "2",
      "@Ty": "CF",
      "@Sev": "10"
    },
    "DatErrMsg": {"ErrMsgDtl":      {
      "@DtlDsc": "Service operation execution finished successfully",
      "@Dsc": "Service operation execution finished successfully",
      "@MsgClgd": "100000",
      "@MsgClg": "IPESB"
    }}
  }
}}}
```

REST EPOD: SAMPLE ERROR MESSAGE

```
{"shipmentDocumentRetrieveResp": {"MSG": {
  "Hdr":   {
    "@Ver": "1.038",
    "@Id": "288899874",
    "@Dtm": "2018-01-26T08:17:59",
    "Sndr":      {
      "@AppNm": "ESB",
      "@AppCd": "ESB"
    },
    "Rcp":     {
      "@AppNm": "DCG",
      "@AppCd": "DCG",
      "Gld":        {
        "@Id": "SunnyTesting",
        "@IdTp": "RQMSGID"
      }
    }
  },
  "Bd": {"Shp": {"ShpInDoc": {"SDoc": {"@DocTyCd": " "}}}},
  "DatTrErr":   [
        {
      "OrgHdr": {"@CorrId": "SunnyTesting"},
      "Rp": {"@CmptNm": "GWSManagement.ShipmentDocumentRetrieveRequestProvider"},
      "ErrMsgGl":        {
        "@Pri": "2",
        "@Ty": "CF",
        "@Sev": "40"
      },
      "DatErrMsg": {"ErrMsgDtl":        {
        "@DtlDsc": "HP Global Imaging epod Service returned error code:No matching ePODs for search query",
        "@Dsc": "Service operation execution finished successfully",
        "@MsgClgd": "100000",
        "@MsgClg": "IPESB"
      }}
    },
        {
      "OrgHdr": {"@CorrId": "SunnyTesting"},
      "Rp": {"@CmptNm": "GWSManagement.ShipmentDocumentRetrieveRequestProvider"},
      "ErrMsgGl":        {
        "@Pri": "2",
        "@Ty": "CF",
        "@Sev": "10"
      },
      "DatErrMsg": {"ErrMsgDtl":        {
        "@DtlDsc": "Service operation execution finished successfully",
        "@Dsc": "Service operation execution finished successfully",
        "@MsgClgd": "100000",
        "@MsgClg": "IPESB"
      }}
    }
  ]
}}}
```

17.   SERVICE INPUT/OUTPUT EXAMPLES FOR UPDATESHIPMENT

SOAP UPDATESHIPMENT: SAMPLE INPUT

```
<?xml version="1.0" encoding="UTF-8"?>
   <upd:UpdateRequest>
      <MessageId>Sample_Message_Id</MessageId>
      <UpdatedShipment>
         <ShipmentInfo>
            <ServiceType>P</ServiceType>
            <Account>123456789</Account>
            <Billing>
               <ShipperAccountNumber>123456789</ShipperAccountNumber>
               <ShippingPaymentType>S</ShippingPaymentType>
            </Billing>
            <ShipmentIdentificationNumber>1234567890</ShipmentIdentificationNumber>
            <LabelType>PDF</LabelType>
            <LabelTemplate>ECOM_TC_A4</LabelTemplate>
            <ArchiveLabelTemplate>ARCH_8x4</ArchiveLabelTemplate>
            <IncludePreviousPieceLabels>Y</IncludePreviousPieceLabels>
         </ShipmentInfo>
         <OriginalShipDate>2018-01-24</OriginalShipDate>
         <Packages>
            <RequestedPackages number="1">
               <Weight>5.350</Weight>
               <UseOwnPieceIdentificationNumber>N</UseOwnPieceIdentificationNumber>
               <PackageContentDescription>Gloves</PackageContentDescription>
               <Dimensions>
                  <Length>32.0</Length>
                  <Width>10.0</Width>
                  <Height>5.0</Height>
               </Dimensions>
            </RequestedPackages>
         </Packages>
      </UpdatedShipment>
   </upd:UpdateRequest>
```

SOAP UPDATESHIPMENT: SAMPLE OUTPUT

```
<updateresp:UpdateResponse xmlns:updateresp="http://scxgxtt.phx-dc.dhl.com/euExpressRateBook/UpdateShipmentResponse">
   <Notification code="0">
      <Message/>
   </Notification>
   <PackagesResult>
      <PackageResult number="1">
         <TrackingNumber>JDAA06000121212121</TrackingNumber>
      </PackageResult>
   </PackagesResult>
   <LabelImage>
      <LabelImageFormat>PDF</LabelImageFormat>
      <GraphicImage>JVBERi0xLjQKJfbk/N8KMSAwIG9iago8PAovVHlwZSAvQ2F0YWxvZwovVmVRU9GCg==</GraphicImage>
   </LabelImage>
   <ShipmentIdentificationNumber>1234567890</ShipmentIdentificationNumber>
</updateresp:UpdateResponse>
```

SOAP UPDATESHIPMENT: SAMPLE ERROR MESSAGE

```
<?xml version="1.0" encoding="UTF-8"?><updateresp:UpdateResponse xmlns:updateresp="http://scxgxtt.phx-
dc.dhl.com/euExpressRateBook/UpdateShipmentResponse">
   <Notification code="400101">
      <Message>Piece update is not possible as shipment information not found in the database</Message>
   </Notification>
   <Notification code="999">
      <Message>Failed to process your request. Process ID associated for this transaction (1234567890)</Message>
   </Notification>
</updateresp:UpdateResponse>
```

REST UPDATESHIPMENT: SAMPLE INPUT

```
{ "UpdateRequest":
            {
 "MessageId": "Sample_Message_Id",
 "UpdatedShipment": {
    "ShipmentInfo": {
       "ServiceType": "P",
       "Account": "123456789",
       "Billing": {
          "ShipperAccountNumber": "123456789",
          "ShippingPaymentType": "S"
       },
       "ShipmentIdentificationNumber": "1234567890",
       "LabelType": "PDF",
       "LabelTemplate": "ECOM_TC_A4",
       "ArchiveLabelTemplate": "ARCH_8x4",
       "IncludePreviousPieceLabels": "Y"
    },
    "OriginalShipDate": "2018-01-24",
    "Packages": {
       "RequestedPackages": {
          "@number": "1",
          "Weight": "5.350",
          "UseOwnPieceIdentificationNumber": "N",
          "PackageContentDescription": "Gloves2",
          "Dimensions": {
             "Length": "32.0",
             "Width": "10.0",
             "Height": "5.0"
          }
       }
    }
  }
}
}
```

REST UPDATESHIPMENT: SAMPLE OUTPUT

```
{"UpdateResponse": {
 "Notification":   {
    "@code": "0",
    "Message": null
 },
 "PackagesResult": {"PackageResult":   {
    "@number": "1",
    "TrackingNumber": "JD0ASDSFSE3687493085"
 }},
 "LabelImage":   {
    "LabelImageFormat": "PDF",
    "GraphicImage": "JVBERi0xLjQKJfbk/N8KMSAwIG9iago8PAovVHlwZSAvQ2F0YWJVUVPRgo="
 },
 "ShipmentIdentificationNumber": 1234567890
}}
```

REST UPDATESHIPMENT: SAMPLE ERROR MESSAGE

```
{"UpdateResponse": {"Notification": [
    {
    "@code": "998",
    "Message": "The account number is not found or invalid. Please check the account number and retry."
  },
    {
    "@code": "999",
    "Message": "Failed to process your request. Process ID associated for this transaction (141414145151)"
  }
]}}
```

18.   SERVICE INPUT/OUTPUT EXAMPLES FOR REQUESTPICKUP

SOAP REQUESTPICKUP: SAMPLE INPUT

```
<pic:PickUpRequest>
     <MessageId>236487823481765000198213434234</MessageId>
     <PickUpShipment>
        <ShipmentInfo>
          <ServiceType>U</ServiceType>
          <Billing>
             <ShipperAccountNumber>140582622</ShipperAccountNumber>
             <ShippingPaymentType>S</ShippingPaymentType>
          </Billing>
          <UnitOfMeasurement>SI</UnitOfMeasurement>
        </ShipmentInfo>
        <PickupTimestamp>2018-01-26T12:59:00 GMT+01:00</PickupTimestamp>
        <PickupLocationCloseTime>17:00</PickupLocationCloseTime>
        <SpecialPickupInstruction>Collect at reception</SpecialPickupInstruction>
        <PickupLocation>Receptoin</PickupLocation>
        <InternationalDetail>
          <Commodities>
             <NumberOfPieces>1</NumberOfPieces>
             <Description>Computer Parts</Description>
          </Commodities>
        </InternationalDetail>
        <Ship>
          <Shipper>
             <Contact>
                <PersonName>Topaz</PersonName>
                <CompanyName>DHL Express</CompanyName>
                <PhoneNumber>+31 6 53464291</PhoneNumber>
                <EmailAddress>Topaz.Test@dhl.com</EmailAddress>
                <MobilePhoneNumber>+31 6 53464291</MobilePhoneNumber>
             </Contact>
             <Address>
                <StreetLines>GloWS</StreetLines>
                <City>Eindhoven</City>
                <PostalCode>5657 ES</PostalCode>
                <CountryCode>NL</CountryCode>
             </Address>
          </Shipper>
          <Recipient>
             <Contact>
                <PersonName>Jack Jones</PersonName>
                <CompanyName>J and J Company</CompanyName>
                <PhoneNumber>+44 25 77884444</PhoneNumber>
                <EmailAddress>jack@jjcompany.com</EmailAddress>
                <MobilePhoneNumber>+44 5 88648666</MobilePhoneNumber>
             </Contact>
             <Address>
                <StreetLines>Penny lane</StreetLines>
                <City>Liverpool</City>
                <PostalCode>AA21 9AA</PostalCode>
                <CountryCode>GB</CountryCode>
             </Address>
          </Recipient>
        </Ship>
        <Packages>
          <RequestedPackages number="1">
             <Weight>12.0</Weight>
             <Dimensions>
                <Length>70</Length>
                <Width>21</Width>
                <Height>44</Height>
             </Dimensions>
             <CustomerReferences>My-PU-Call-1</CustomerReferences>
          </RequestedPackages>
        </Packages>
     </PickUpShipment>
  </pic:PickUpRequest>
```

SOAP REQUESTPICKUP: SAMPLE OUTPUT

```
<pickupresp:PickUpResponse xmlns:pickupresp="http://scxgxtt.phx-dc.dhl.com/euExpressRateBook/PickUpResponse">
    <Notification code="0">
      <Message/>
    </Notification>
    <DispatchConfirmationNumber>PRG999126012345</DispatchConfirmationNumber>
  </pickupresp:PickUpResponse>
```

SOAP REQUESTPICKUP: SAMPLE ERROR MESSAGE

```
<pickupresp:PickUpResponse xmlns:pickupresp="http://scxgxtt.phx-dc.dhl.com/euExpressRateBook/PickUpResponse">
    <Notification code="998">
      <Message>The account number is not found or invalid. Please check the account number and retry.</Message>
    </Notification>
    <Notification code="999">
      <Message>Failed to process your request. Process ID associated for this transaction (1862502637)</Message>
    </Notification>
  </pickupresp:PickUpResponse>
```

REST REQUESTPICKUP: SAMPLE INPUT

```
{
        "PickUpRequest":
{
  "PickUpShipment": {
    "ShipmentInfo": {
      "ServiceType": "U",
      "Billing": {
        "ShipperAccountNumber": "123456789",
        "ShippingPaymentType": "S"
      },
      "UnitOfMeasurement": "SI"
    },
    "PickupTimestamp": "2018-01-26T12:59:00 GMT+01:00",
    "PickupLocationCloseTime": "17:00",
    "SpecialPickupInstruction": "Collect at reception",
    "PickupLocation": "Receptoin",
    "InternationalDetail": {
      "Commodities": {
        "NumberOfPieces": "1",
        "Description": "Computer Parts"
      }
    },
    "Ship": {
      "Shipper": {
        "Contact": {
          "PersonName": "Topaz",
          "CompanyName": "DHL Express",
          "PhoneNumber": "+31 6 53464291",
          "EmailAddress": "Topaz.Test@dhl.com",
          "MobilePhoneNumber": "+31 6 53464291"
        },
        "Address": {
          "StreetLines": "GloWS",
          "City": "Eindhoven",
          "PostalCode": "5657 ES",
          "CountryCode": "NL"
        }
      },
      "Recipient": {
        "Contact": {
          "PersonName": "Jack Jones",
          "CompanyName": "J and J Company",
          "PhoneNumber": "+44 25 77884444",
          "EmailAddress": "jack@jjcompany.com",
          "MobilePhoneNumber": "+44 5 88648666"
        },
        "Address": {
          "StreetLines": "Penny lane",
          "City": "Liverpool",
          "PostalCode": "AA21 9AA",
          "CountryCode": "GB"
        }
      }
    },
    "Packages": {
      "RequestedPackages": {
        "@number": "1",
        "Weight": "12.0",
        "Dimensions": {
          "Length": "70",
          "Width": "21",
          "Height": "44"
        },
        "CustomerReferences": "My-PU-Call-1"
      }
    }
  }
}
}
```

REST REQUESTPICKUP: SAMPLE OUTPUT

```
{"PickUpResponse": {
 "Notification":   {
    "@code": "0",
    "Message": null
 },
 "DispatchConfirmationNumber": "PRG999126012345"
}}
```

REST REQUESTPICKUP: SAMPLE ERROR MESSAGE

```
{"PickUpResponse": {"Notification": [
    {
    "@code": "998",
    "Message": "The account number is not found or invalid. Please check the account number and retry."
 },
    {
    "@code": "999",
    "Message": "Failed to process your request. Process ID associated for this transaction (1231313213132)"
 }
]}}
```

19.   HELPFUL XML AND WEB SERVICES LINKS

XML.Org Home Page, Organization for the Advancement of Structured Information Standards (OASIS)
http://www.xml.org/

W3 Schools XML Tutorial, Reference Data
http://www.w3schools.com/xml/default.asp

Java Technology and Web Services, Sun Microsystems, Inc.
http://java.sun.com/MyDHL API/

Apache Web Services Project, The Apache Software Foundation
http://ws.apache.org/

 W3 Schools Web Services Tutorial, Reference Data
http://www.w3schools.com/MyDHL API/default.asp