DHL ECOMMERCE LABEL AND CLOSEOUT API SPECIFICATIONS

ALL SHIPPING SERVICES

Via DHL eCommerce Asia Distribution Centres

Version 2.0 (May 19, 2016)

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LABEL SPECIFICATIONS FOR DHL ECOMMERCE ASIA PACIFIC CROSS BORDER PRODUCTS

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1 GENERAL INFORMATION

1.1. Introduction

This specification provides the definition of the Get Label and Shipment Close-Out services that customers can use to achieve a standard integration with DHL eCommerce for shipping.

1.2. Background

With the APIs, DHL eCommerce aims to achieve direct integration with medium and large customers as well as channel partners to enable printing of DHLeC shipping labels from ERP systems and shipment confirmation with DHLeC handover notes during manifesting.

All access to DHLeC APIs is controlled by access token.

To request the access token, clients have to have valid DHL eCommerce clientId and password.

To obtain API clientId & password as well as access to DHL eCommerce Asia Portal, please contact DHL eCommerce.

1.3. API Connectivity Test

Before implementing DHleC APIs, please conduct below PING tests from the API requestor server to DHLeC test and production environments to identify any network or firewall issues from origin.

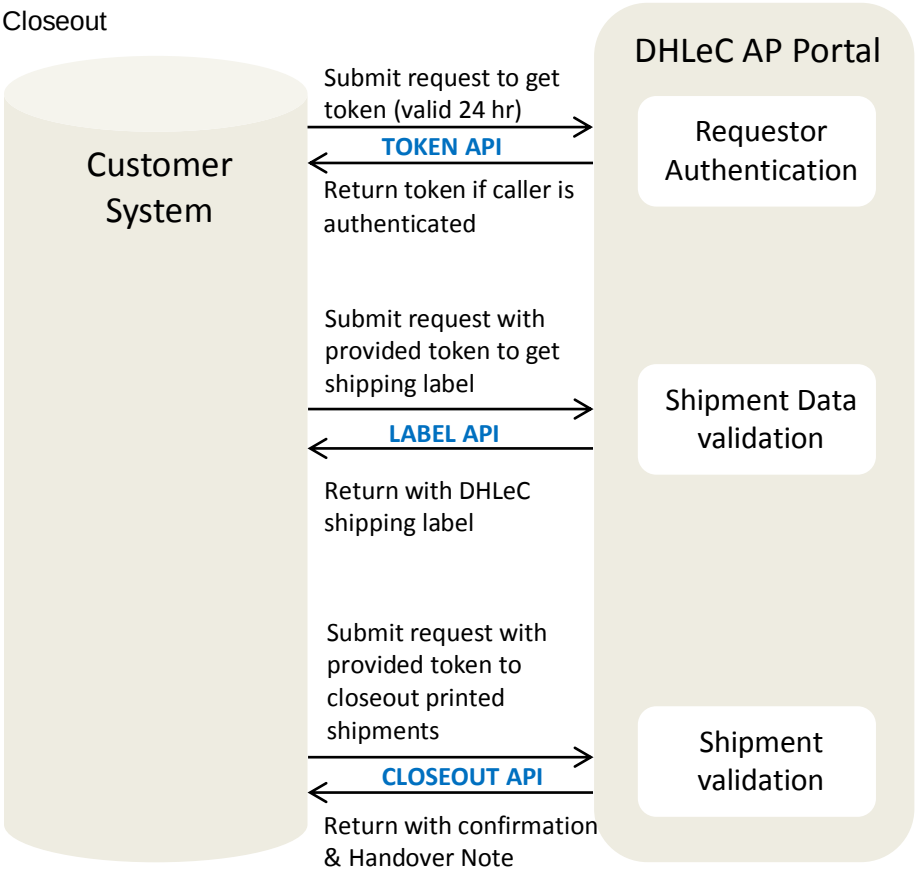
- PING apitest.dhlecommerce.asia
- PING apitest.dhlecommerce.asia

If any abnormalities is identified, it is recommended to conduct further traceroute tests and provide findings to the network team supporting the API requestor server.

1.4. Services

Services that will be discussed in this document are as follows:

- Security Token
- Label
- Closeout



1.5. Methods

Web Service

1. RESTful (Representational State Transfer)
    a. Communicates via HTTP
    b. Services listed in this document involve JSON message

NOTE:

- ***Error message details can only be displayed in the response message if the HTTP request header is Content-Type and set it to application/json***

1.6. Definitions

1.6.1. Status of a record or data field

This definition is used in the detailed message definition and the message structure overview.

Abbreviation	Name	Description
M	Mandatory	A statement in a segment or message directory which specifies that a segment, a data element, a composite data element or a component data element must be used
R	Required	A statement in a segment or message directory which specifies that a segment, a data element, a composite data element or a component data element is needed for correct processing or information
C	Conditional	A statement in a segment or message directory of a condition for the use of a segment, a data element, a composite data element or a component data element
O	Optional	A statement in a segment or message directory which specifies that a segment, a data element, a composite data element or a component data element may be used.
X	Not used	A statement in a segment or message directory which specifies that a segment, a data element, a composite data element or a component data element may not be used

1.6.2. Notation of a data element

In the detailed information of the elements, the maximum occurrence, length and type of each element is described.

Data length: specifies minimum and maximum length; if N/A is specified, that means it corresponds to a group

Data types:

String	alphanumeric characters
Numeric	Numeric characters
DateTime	Date/Time
Boolean	True/False
Group	Contains child element/s

2 Security Token

2.1 Usage Details

Use this call to retrieve authentication token for a user. User is assigned a client id/user id and password during subscription and these are required parameters when making a call.

After token retrieval, the token can be used to invoke the APIs which the user is authorized to access. Token is available for 24 hours.

2.2 Service Endpoint Information

URL endpoint	Host Name	https://apitest.dhlecommerce.asia
	REST resource	/rest/v1/OAuth/AccessToken
	Full Service URL	https://apitest.dhlecommerce.asia/rest/v1/OAuth/AccessToken?clientId=<client id assigned>&password=<password assigned during subscription>&returnFormat=<json>
Method	GET	
Parameters	clientId	Client ID for partner/client. Generated and assigned in token server.
	password	Password provided by DHL
	returnFormat	Format of response message, json. Case sensitive. If not provided, default is JSON
Request Message Sample		https://apitest.dhlecommerce.asia/rest/v1/OAuth/AccessToken?clientId=LTExMTgwNTI4MTY=&password=APITest1&returnFormat=json

Response message Sample		{
		"accessTokenResponse": {
		"token": "8a9c386022031cb7a2d6e47fd1668d50",
		"token_type": "Bearer",
		"expires_in_seconds": "86400",
		"responseStatus": {
		"code": "100000",
		"message": "Service operation completed successfully",
		"messageDetails": "Access token assigned."
		}
		}
		}

3 PRINT LABEL

3.1. RESTful

Service Name	Print Label ***NOTE: 1 Label per Request*** ***User should not send the same request in parallel. This will result in duplicated shipments!***
Service Purpose	To validate shipment data before shipment creation in AP PORTAL and the generation of DHLeC Shipping label. Resending the same shipment data can be used for label reprint purpose. During reprint, shipment data sent earlier cannot be changed. If shipment data is changed, User needs to send a new DHLeC shipment ID.
Endpoint information (Test Environment)	Host name : https://apitest.dhlecommerce.asia/ REST resource : /rest/v2/Label Full service URL : https://apitest.dhlecommerce.asia/rest/v2/Label Method : POST Parameters : Refer to 3.2 Message Specifications Access token is needed to invoke this service. Refer to 2. Security Token service on how to obtain token. ***NOTE: The Host name provided here is the host name for test environment. Contact DHL if you want to connect to the production environment.***

Request Message Sample	{
	"labelRequest": {
	"hdr": {
	"messageType": "LABEL",
	"messageDateTime": "2016-01-12T11:20:27+08:00",
	"accessToken": "2ab753c069b4197a988f9725edc9f30c",
	"messageVersion": "1.1"
	},
	"bd": {
	"pickupAccountId": "5235687334",
	"soldToAccountId": "5235687334",
	"pickupDateTime": "2016-01-13T16:20:27+08:00",
	"pickupAddress": {
	"companyName": "PICKUPcompany",
	"name": "PICKUPname",
	"address1": "PICKUPAddress1",
	"address2": "PICKUPAddress2",
	"address3": "PICKUPAddress3",
	"city": "PICKUPcity",
	"state": "PICKUPstate",

```
    "district": null,
    "country": "SG",
    "postCode": "627008",
    "phone": "123456789",
    "email": "PICKUP@abc.com"
  },
  "shipperAddress": {
    "companyName": "SHIPPERcompany",
    "name": "SHIPPERname",
    "address1": "SHIPPERAddress1",
    "address2": "SHIPPERAddress2",
    "address3": "SHIPPERAddress3",
    "city": "SHIPPERcity",
    "state": "SHIPPERstate",
    "district": null,
    "country": "HK",
    "postCode": "627008",
    "phone": "123456789",
    "email": "SHIPPER@abc.com"
  },
  "shipmentItems": [
    {
      "consigneeAddress": {
        "companyName": "CONSIGNEEcompany",
        "name": "CONSIGNEEname",
        "address1": "CONSIGNEEAddress1",
        "address2": "CONSIGNEEAddress2",
        "address3": "CONSIGNEEAddress3",
        "city": "CONSIGNEEcity",
        "state": "CONSIGNEEstate",
        "district": null,
        "country": "DE",
        "postCode": "627008",
        "phone": "123456789",
        "email": "CONSIGNEE@abc.com",
        "idNumber": null,
        "idType": null
      },
      "returnAddress": {
        "companyName": "RETURNcompany",
        "name": "RETURNname",
        "address1": "RETURNAddress1",
        "address2": "RETURNAddress2",
        "address3": "RETURNAddress3",
        "city": "RETURNcity",
        "state": "RETURNstate",
        "district": null,
        "country": "HK",
```

<table>
<tr><td></td><td>
<pre>
"postCode": "627008",
"phone": "123456789",
"email": "RETURN@abc.com"
},
"shipmentID": "LUCKYAPI123495",
"deliveryConfirmationNo": null,
"packageDesc": "SHIPMENTDESC",
"totalWeight": 200,
"totalWeightUOM": "G",
"dimensionUOM": null,
"height": null,
"length": null,
"width": null,
"customerReference1": "CUSTREF1",
"customerReference2": "CUSTREF2",
"productCode": "PKD",
"incoterm": "DDU",
"contentIndicator": null,
"codValue": 0.00,
"insuranceValue": 0.00,
"freightCharge": 0.00,
"totalValue": 100.00,
"currency": "EUR",
"shipmentContents": [
{
"skuNumber": "SKU111",
"description": "SKUDesc",
"descriptionImport": "SKUIMPORT",
"descriptionExport": "SKUEXPORT",
"itemValue": 100.00,
"itemQuantity": 10,
"grossWeight": 100,
"contentIndicator": null,
"countryOfOrigin": "SG",
"hsCode": null
}
]
}
],
"label": {
"pageSize": "400x600",
"format": "PNG",
"layout": "1x1"
}
}
}
}</pre>
</td></tr>
<tr><td>Response</td><td></td></tr>
</table>

Message Sample (Success)	{
	"labelResponse": {
	"hdr": {
	"messageType": "LABEL",
	"messageDateTime": "2016-05-19 18:39:08+08",
	"messageVersion": "1.1"
	},
	"bd": {
	"labels": [
	{
	"shipmentID": "LUCKYAPI123495",
	"deliveryConfirmationNo": null,
	"content": "*…base 64 encoded binary data response will be displayed here…*",
	"responseStatus": {
	"code": "200",
	"message": "OK",
	"messageDetails": "Shipment processed and label generated successfully;"
	}
	}
	],
	"responseStatus": {
	"code": "200",
	"message": "OK",
	"messageDetails": "All shipments processed successfully;"
	}
	}
	}
	}

Response Message Sample (Reprint failed due to shipment data changes)	{
	"labelResponse": {
	"hdr": {
	"messageType": "LABEL",
	"messageDateTime": "2016-05-19 19:12:05+08",
	"messageVersion": "1.1"
	},
	"bd": {
	"labels": [
	{
	"shipmentID": "LUCKYAPI2123s4925",
	"deliveryConfirmationNo": null,
	"content": null,
	"responseStatus": {
	"code": "202",
	"message": "VALIDATION ERROR",
	"messageDetails": "Shipment with same Shipment ID exists. To generate new label, change Shipment ID. To reprint existing shipment label, resend with matching shipment data. Variances found for fields -> CustRef1();"

	}
	}
	],
	"responseStatus": {
	"code": "400",
	"message": "ERROR",
	"messageDetails": "No shipments are processed due to run time/system errors; Check shipment level response for more details;; Warning: Language provided is invalid; Supported languages are English (en) and Chinese (zh_CN)."
	}
	}

Response Statuses And Codes	Refer to Appendix 5.1 for expected response status codes.
Request/Response Message Specification	Refer to 3.2 and 3.3

3.2. Request Message Specification

Label Request									
Elements			Xpath	Min Length	Max Length	Data type	Cardinality	M - Mandatory O - Optional C - Conditional	Description
label Request			labelRequest			Group	1..1	M	
	hdr		labelRequest/hdr			Group	1..1	M	
		messageType	labelRequest/hdr/messageType	1	50	String	1..1	M	Value should be "LABEL"
		messageDateTime	labelRequest/hdr/messageDateTime			DateTime	1..1	M	Message date and time Format: CCYY-MM-DD HH:MM:SS[+/-]HH:MM
		accessToken	labelRequest/hdr/accessToken	1	32	String	0..1	O	Security Token (Refer to 2. Security Token)
		messageVersion	labelRequest/hdr/messageVersion	1	5	String	0..1	M	Current version is 1.1
	bd		labelRequest/bd			Group	1..1	M	
		pickupAccountId	labelRequest/bd/pickupAccountId	1	10	String	1..1	M	DHL PICKUP Account ID
		soldToAccountId	labelRequest/bd/soldToAccountId	1	10	String	1..1	M	DHL SOLDTO Account ID
		pickupDateTime	labelRequest/bd/pickupDateTime			DateTime	0..1	O	Shipment pickup date/time
		pickupAddress	labelRequest/bd/pickupAddress			Group	0..1	O	Pickup address details
			companyName	labelRequest/bd/pickupAddress/companyName	1	30	String	0..1	O	company name
			name	labelRequest/bd/pickupAddress/name	1	30	String	1..1	M	name
			address1	labelRequest/bd/pickupAddress/address1	1	50	String	1..1	M	address 1
			address2	labelRequest/bd/pickupAddress/address2	1	50	String	0..1	O	address 2
			address3	labelRequest/bd/pickupAddress/address3	1	30	String	0..1	O	address 3
			city	labelRequest/bd/pickupAddress/city	1	30	String	1..1	M	city
			state	labelRequest/bd/pickupAddress/state	2	20	String	0..1	O	state
			district	labelRequest/bd/pickupAddress/district	1	20	String	0..1	O	district
			country	labelRequest/bd/pickupAddress/country	2	2	String	1..1	M	country code (refer to Appendix 5.2)
			postCode	labelRequest/bd/pickupAddress/postCode	1	11	String	0..1	O	postcode
			phone	labelRequest/bd/pickupAddress/pho	1	20	String	0..1	O	phone number

				ne						
			email	labelRequest/bd//pickupAddress/email	1	50	String	0..1	O	email address
		shipperAddress		labelRequest/bd/shipperAddress			Group	1..1	M	Shipper Address Details
			companyName	labelRequest/bd/shipperAddress/companyName	1	30	String	0..1	O	company name
			name	labelRequest/bd/shipperAddress/name	1	30	String	1..1	M	name
			address1	labelRequest/bd/shipperAddress/address1	1	50	String	1..1	M	address 1
			address2	labelRequest/bd/shipperAddress/address2	1	50	String	0..1	O	address 2
			address3	labelRequest/bd/shipperAddress/address3	1	30	String	0..1	O	address 3
			city	labelRequest/bd/shipperAddress/city	1	30	String	1..1	M	city
			state	labelRequest/bd/shipperAddress/state	2	20	String	0..1	O	state
			district	labelRequest/bd/shipperAddress/district	1	20	String	0..1	O	district
			country	labelRequest/bd/shipperAddress/country	2	2	String	1..1	M	country code (refer to Appendix 5.2)
			postCode	labelRequest/bd/shipperAddress/postCode	1	11	String	0..1	O	postcode
			phone	labelRequest/bd/shipperAddress/phone	1	20	String	0..1	O	phone number
			email	labelRequest/bd//shipperAddress/email	1	50	String	0..1	O	email address
		shipmentItems		labelRequest/bd/shipmentItems			Group	1..1	M	shipment list
			consigneeAddress	labelRequest/bd/shipmentItems/consigneeAddress			Group	1..1	M	consignee address
				companyName	labelRequest/bd/shipmentItems/consigneeAddress/companyName	1	30	String	0..1	O	company name
				name	labelRequest/bd/shipmentItems/consigneeAddress/name	1	50	String	1..1	M	name
				address1	labelRequest/bd/shipmentItems/consigneeAddress/address1	1	60	String	1..1	M	address 1

				address2	labelRequest/bd/shipmentItems/consigneeAddress/address2	1	60	String	0..1	O	address 2
				address3	labelRequest/bd/shipmentItems/consigneeAddress/address3	1	30	String	0..1	O	address 3
				city	labelRequest/bd/shipmentItems/consigneeAddress/city	1	30	String	1..1	M	city
				state	labelRequest/bd/shipmentItems/consigneeAddress/state	1	20	String	0..1	C	state
				district	labelRequest/bd/shipmentItems/consigneeAddress/district	1	20	String	0..1	O	district
				country	labelRequest/bd/shipmentItems/consigneeAddress/country	2	2	String	1..1	M	country code (refer to Appendix 5.2)
				postCode	labelRequest/bd/shipmentItems/consigneeAddress/postCode	1	11	String	0..1	C	Postcode. Validation is applied according to Shipping Service and Destination (refer to Appendix 5.3)
				phone	labelRequest/bd/shipmentItems/consigneeAddress/phone	1	20	String	0..1	O	phone number
				email	labelRequest/bd/shipmentItems/consigneeAddress/email	1	50	String	0..1	O	email address
				idNumber	labelRequest/bd/shipmentItems/consigneeAddress/idNumber	1	30	String	0..1	C	id number
				idType	labelRequest/bd/shipmentItems/consigneeAddress/idType	1	2	String	0..1	C	id type (refer to Appendix 5.3)
			returnAddress		labelRequest/bd/shipmentItems/returnAddress			Group	0..1	O	return address
				companyName	labelRequest/bd/shipmentItems/returnAddress/companyName	1	30	String	0..1	O	company name
				name	labelRequest/bd/shipmentItems/returnAddress/name	1	30	String	1..1	M	name
				address1	labelRequest/bd/shipmentItems/returnAddress/address1	1	50	String	1..1	M	address 1

			address2	labelRequest/bd/shipmentItems/returnAddress/address2	1	50	String	0..1	O	address 2
			address3	labelRequest/bd/shipmentItems/returnAddress/address3	1	30	String	0..1	O	address 3
			city	labelRequest/bd/shipmentItems/returnAddress/city	1	30	String	1..1	M	city
			state	labelRequest/bd/shipmentItems/returnAddress/state	2	20	String	0..1	O	state
			district	labelRequest/bd/shipmentItems/returnAddress/district	1	20	String	0..1	O	district
			country	labelRequest/bd/shipmentItems/returnAddress/country	2	2	String	1..1	M	country code (refer to Appendix 5.2)
			postCode	labelRequest/bd/shipmentItems/returnAddress/postCode	1	11	String	0..1	O	postcode
			phone	labelRequest/bd/shipmentItems/returnAddress/phone	1	20	String	0..1	O	phone number
			email	labelRequest/bd/shipmentItems/returnAddress/email	1	50	String	0..1	O	email address
		shipmentID		labelRequest/bd/shipmentItems/shipmentID	1	35	String	1..1	M	Customer applied identifier for the shipment. Customer prefix must be included. Sales Order number is suggested to be used. The Shipment Order ID must be unique for a minimum of 180 days.
		deliveryConfirmationNo		labelRequest/bd/shipmentItems/deliveryConfirmationNo	1	40	String	0..1	O	Default to null
		packageDesc		labelRequest/bd/shipmentItems/packageDesc	3	50	String	0..1	M	Generic description of contents in shipment. Example: Fashion
		totalWeight		labelRequest/bd/shipmentItems/totalWeight	1	5	Numeric	1..1	M	Total shipment weight including packaging (in grams). Whole numbers only. Value cannot be zero.
		totalWeightUOM		labelRequest/bd/shipmentItems/totalWeightUOM	1	3	String	1..1	M	Value should be "G"
		dimensionUOM		labelRequest/bd/shipmentItems/dimensionUOM	1	2	String	0..1	C	Value should be "CM"
		height		labelRequest/bd/shipmentItems/height	N(3.2)	N(8.2)	Numeric	0..1	C	Shipment Height (centimeters), up to 2 decimal points

	length		labelRequest/bd/shipmentItems/length	N(3.2)	N(8.2)	Numeric	0..1	C	Shipment Length (centimeters), up to 2 decimal points
	width		labelRequest/bd/shipmentItems/width	N(3.2)	N(8.2)	Numeric	0..1	C	Shipment Width (centimeters), up to 2 decimal points
	customerReference1		labelRequest/bd/shipmentItems/customerReference1	1	50	String	0..1	O	customer reference 1
	customerReference2		labelRequest/bd/shipmentItems/customerReference2	1	50	String	0..1	O	customer reference 2
	productCode		labelRequest/bd/shipmentItems/productCode	3	3	String	1..1	M	DHLeC Shipping Service (refer to Appendix 5.4)
	incoterm		labelRequest/bd/shipmentItems/incoterm	3	3	String	0..1	C	Incoterms, either - “DDP” (Delivery Duties Paid), OR - “DDU” (Delivery Duties Unpaid) Mandatory for Parcel International Direct shipments.
	contentIndicator		labelRequest/bd/shipmentItems/contentIndicator	1	3	String	0..1	C	If not required, default to null
	codValue		labelRequest/bd/shipmentItems/codValue	N(3.2)	N(8.2)	Numeric	0..1	O	Cash on delivery collection value (up to 2 decimal points). If not required, default to 0.00
	insuranceValue		labelRequest/bd/shipmentItems/insuranceValue	N(3.2)	N(12.2)	Numeric	0..1	C	Insured Value (up to 2 decimal points). Required for shipment with SVP. If not required, default to 0.00
	freightCharge		labelRequest/bd/shipmentItems/freightCharge	N(3.2)	N(12.2)	Numeric	0..1	O	Freight charges (up to 2 decimal points). If not required, default to 0.00
	totalValue		labelRequest/bd/shipmentItems/totalValue	N(3.2)	N(12.2)	Numeric	0..1	M	Total declared value of the shipment (up to 2 decimal points)
	currency		labelRequest/bd/shipmentItems/currency	3	3	String	1..1	M	Currency code of declared value and unit value (Refer to Appendix 5.5)
	remarks		labelRequest/bd/shipmentItems/remarks	1	50	String	0..1	O	Additional remarks to be printed on shipping label for Shipper reference only.
	shipmentContents		labelRequest/bd/shipmentItems/shipmentContents			Group	1..10	M	Shipment contents
		skuNumber	labelRequest/bd/shipmentItems/shipmentContents/skuNumber	1	20	String	1..1	M	SKU# or Marketplace Item Code of shipment content
		description	labelRequest/bd/shipmentItems/ship	3	50	String	1..1	M	Detailed description of

					mentContents/description					shipment content - This description is most often used for customs clearance, so accuracy and highly descriptive improves clearance waiting times.
				descriptionImport	labelRequest/bd/shipmentItems/shipmentContents/descriptionImport	1	50	String	0..1	O	Detailed description of shipment content in the language of the importing country
				descriptionExport	labelRequest/bd/shipmentItems/shipmentContents/descriptionExport	1	50	String	0..1	C	Detailed description of shipment content in the language of the exporting country. Required in Chinese descriptions for all shipments shipped via DHLeC Shanghai distribution centre.
				itemValue	labelRequest/bd/shipmentItems/shipmentContents/itemValue	N(3.2)	N(10.2)	Numeric	1..1	M	Unit selling price of 1 shipment content (up to 2 decimal points) This declared value is most often used for customs clearance, so accurate declared value improves clearance times.
				itemQuantity	labelRequest/bd/shipmentItems/shipmentContents/itemQuantity	1	4	Integer	1..1	M	Quantity of 1 shipment content in the shipment
				grossWeight	labelRequest/bd/shipmentItems/shipmentContents/grossWeight	1	6	Numeric	0..1	O	Total shipment contents gross weight. Whole numbers only. Value cannot be zero.
				netWeight	labelRequest/bd/shipmentItems/shipmentContents/netWeight	1	6	Numeric	0..1	O	Total shipment contents net weight. Whole numbers only. Value cannot be zero.
				weightUOM	labelRequest/bd/shipmentItems/shipmentContents/weightUOM	1	3	String	0..1	O	Value should be “G”
				contentIndicator	labelRequest/bd/shipmentItems/shipmentContents/contentIndicator	1	3	String	0..1	O	If not required, default to null
				countryOfOrigin	labelRequest/bd/shipmentItems/shipmentContents/countryOfOrigin	2	2	String	0..1	C	Manufactured country of shipment content (refer to Appendix 5.2) Required for all shipments shipped via DHLeC Shanghai distribution centre.

				hsCode	labelRequest/bd/shipmentItems/shipmentContents/hsCode	6	20	String	0..1	C	Mandatory for Parcel International Direct shipments going to US.
		label			labelRequest/bd/label				1..1	M	
			pageSize		labelRequest/bd/label/pageSize	1	10	String	0..1	M	Value should be “400x600”
			format		labelRequest/bd/label/format	3	3	String	1..1	M	Value can be “PNG”
			layout		labelRequest/bd/label/layout	1	3	String	0..1	M	Value should be “1x1”

3.3. Response Message Specification

Public Label Response (IG to External)

Elements			Xpath	Min Length	Max Length	Data type	Cardinality	M - Mandatory O - Optional C - Conditional	Description
labelResponse			labelResponse				1..1	M	
	hdr		labelResponse/hdr				1..1	M	
		messageType	labelResponse/hdr/messageType	1	50	String	1..1	M	Value should be "LABEL"
		messageDateTime	labelResponse/hdr/messageDateTime			DateTime	1..1	M	Message date and time Format: CCYY-MM-DD HH:MM:SS[+/-]HH:MM
		messageVersion	labelRequest/hdr/messageVersion	1	5	String	0..1	M	Current version is 1.1
	bd		labelResponse/bd			Group	1..1	M	
		labels	labelResponse/bd/labels			Group	1..N	M	

			shipmentID		labelResponse/bd/labels/shipmentID	1	35	String	1..1	M	Customer applied identifier for the shipment. Sales Order number is suggested to be used. The Shipment Order ID must be unique for a minimum of 180 days.
			deliveryConfirmationNo		labelResponse/bd/labels/deliveryConfirmationNo	1	40	String	0..1	O	DSP Tracking Number
			content		labelResponse/bd/labels/content	1	1000	String	1..1	C	Binary label content: • Format=PNG: Base 64 encoded binary data
			responseStatus		labelResponse/bd/labels/responseStatus			Group	1..1	M	
				code	labelResponse/bd/labels/responseStatus/code	1	5	String	1..1	M	Status code (refer to Appendix 5.1)
				message	labelResponse/bd/labels/responseStatus/message	1	300	String	1..1	M	Status message
				messageDetails	labelResponse/bd/labels/responseStatus/messageDetails	1	500	String	0..1	O	Detailed message. May contain the xpath where the error occurs
		responseStatus						Group	1..1	M	Overall status
			code		labelResponse/bd/responseStatus/code	1	5	String	1..1	M	Status code generated by DHL eCommerce

			message	labelResponse/bd/responseStatus/message	1	300	String	1..1	M	Status message generated by DHL eCommerce
			messageDetails	labelResponse/bd/responseStatus/messageDetails	1	500	String	0..1	O	Detailed message. May contain the xpath where the error occurs

4 CLOSE OUT

4.1. RESTful

Service Name	Closeout
Service Purpose	To validate if shipment exists before completing shipment submission in AP PORTAL and returning a handover note if null value is provided. Handover note returned is required to be converted to .PDF format for printout. ***NOTE: Up to 100 shipments per request*** ***If 1 shipment has problem, the whole closeout will fail.***
Endpoint information (Test Environment)	Host name : https://apitest.dhlecommerce.asia/ REST resource : /rest/v2/Order/Shipment/CloseOut Full service URL : https://apitest.dhlecommerce.asia/rest/v2/Order/Shipment/CloseOut Method : POST Parameters : Refer to 4.2 Message Specifications Access token is needed to invoke this service. Refer to Access Token service on how to obtain access token. ***NOTE: The Host name provided here is the host name for test environment. Contact DHL if you want to connect to the production environment.***

Request Message Sample	{
	"closeOutRequest": {
	"hdr": {
	"messageType": "CLOSEOUT",
	"accessToken":"8a9c386022031cb7a2d6e47fd1668d50",
	"messageDateTime": "12-09-15 19:56:26+0800",
	"messageVersion": "1.1"
	},
	"bd": {
	"customerAccountId": null,
	"pickupAccountId": "5235687334",
	"soldToAccountId": "5235687334",
	"handoverMethod": 2,
	"handoverID": null,
	"shipmentItems": [
	{
	"shipmentID": "LUCKYAPI21234925",
	"shipmentID": "LUCKYAPI2123425"
	}
	]
	}
	}
	}

Response Message Sample (Success)	{
	"closeOutResponse": {
	"hdr": {
	"messageType": "CLOSEOUT",
	"messageDateTime": "2016-05-140T19:17:47+08:00",
	"messageVersion": "1.1"
	},
	"bd": {
	"handoverID": "81204914810",
	"handoverNote": "*…base 64 encoded binary data response will be displayed here…*",
	"shipmentItems": [
	{
	"shipmentID": "LUCKYAPI21234925",
	"responseStatus": {
	"code": "200",
	"message": "OK",
	"messageDetails": "Shipment processed Successfully;"
	}
	}
	],
	"responseStatus": {
	"code": "300",
	"message": "OK",
	"messageDetails": "All shipments processed successfully;; Warning: Language provided is invalid; Supported languages are English (en) and Chinese (zh_CN)."
	}
	}
	}
	}

Response Message Sample (Closeout failed due to 1 shipment already submitted)	{
	"closeOutResponse": {
	"hdr": {
	"messageType": "CLOSEOUT",
	"messageDateTime": "2016-05-140T19:20:38+08:00",
	"messageVersion": "1.1"
	},
	"bd": {
	"handoverID": "DHLCONOTE1",
	"handoverNote": null,
	"shipmentItems": [
	{
	"shipmentID": "LUCKYAPI21234925",
	"responseStatus": {
	"code": "202",
	"message": "ERROR",
	"messageDetails": "No International Shipment found for given data (or) may have been already manifested"

	}
	}
	],
	"responseStatus": {
	"code": "400",
	"message": "ERROR",
	"messageDetails": "No shipments are processed due to run time/system errors; Check shipment level response for more details;; Warning: Language provided is invalid; Supported languages are English (en) and Chinese (zh_CN)."
	}
	}
	}
	}

Response Statuses And Codes	Refer to Appendix 5.1 for expected response status codes.
Request/Response Message Specification	Refer to 4.2 and 4.3

4.2. Request Message Specification

Close Out Request									
Elements			**Xpath**	**Min Length**	**Max Length**	**Data type**	**Cardinality**	**M - Mandatory O - Optional C - Conditional**	**Description**
closeOutRequest			closeOutRequest			Group	1..1	M	
	hdr		closeOutRequest/hdr/			Group			
		messageType	closeOutRequest/hdr/messageType	1	50	String	1..1	M	"CLOSEOUT"
		messageDateTime	closeOutRequest/hdr/messageDateTime			Datetime	1..1	M	date and time
		accessToken	closeOutRequest/hdr/accessToken	1	50	String	0..1	O	Access token (if required by the receiving application)
		messageVersion	labelRequest/hdr/messageVersion	1	5	String	0..1	M	Current version is 1.1
	bd		closeOutRequest/bd/			Group	1..1	M	
		pickupAccountId	closeOutRequest/bd/pickupAccountId	1	10	String	1..1	M	DHL PICKUP Account ID
		soldToAccountId	closeOutRequest/bd/soldToAccountId	1	10	String	1..1	M	DHL SOLDTO Account ID
		handoverID	closeOutRequest/bd/handoverID	1	50	String	0..1	O	Leave as blank. Remove parameter for blank.
		handoverMethod	closeOutRequest/bd/handoverMethod	1	1	Numeric	1..1	M	Handover method (pickup or drop-off) Refer to Appendix 5.7
		shipmentItems	closeOutRequest/bd/shipmentItems			Group	1..100	M	list of shipments
		shipmentID	closeOutRequest/bd/shipmentItemsshipmentID	1	40	String	1..1	M	Indicates Shipment ID

4.3. Response Message Specification

Close Out Response											
Elements					**Xpath**	**Min Length**	**Max Length**	**Data type**	**Cardinality**	**M - Mandatory O - Optional C - Conditional**	**Description**
closeOutResponse					closeOutResponse				1..1	M	
	hdr				closeOutResponse/hdr/						
		messageType			closeOutResponse/hdr/messageType	1	50	String	1..1	M	corresponds to request
		messageDateTime			closeOutResponse/hdr/messageDateTime			Datetime	1..1	M	corresponds to request
		accessToken			closeOutResponse/hdr/accessToken	1	50	String	0..1	O	corresponds to request
		messageVersion			labelRequest/hdr/messageVersion	1	5	String	0..1	M	Current version is 1.1
	bd				closeOutResponse/bd/			Group	1..1	M	
		handoverID			closeOutResponse/bd/handoverID	10	15	String	0..1	O	Handover note ID
		handoverNote			closeOutResponse/bd/handoverNote			String		O	Handover note encoded in base-64 which should return a PDF file
		shipmentItems			closeOutResponse/bd/shipmentItems/			Group	1..100	M	list of shipments
			shipmentID		closeOutResponse/bd/shipmentItems/shipmentID	1	35	Numeric	1..1	M	Indicates Shipment ID
			responseStatus		closeOutResponse/bd/shipmentItems/responseStatus/			Group	1..1	M	
				code	closeOutResponse/bd/shipmentItems/responseStatus/code	1	300	String	1..1	M	Status code (refer to Appendix 5.1)
				message	closeOutResponse/bd/shipmentItems/responseStatus/message	1	300	String	1..1	M	Status message
				messageDetails	closeOutResponse/bd/shipmentItems/responseStatus/messageDetails	1	300	String	0..1	O	Detailed message. May

											contain the xpath where the error occurs
		responseStatus			closeOutResponse/bd/responseStatus/			Group	0..1	O	
			code		closeOutResponse/bd/responseStatus/code	1	300	String	1..1	M	Status code (refer to Appendix 5.1)
			message		closeOutResponse/bd/responseStatus/message	1	300	String	1..1	M	Status message
			messageDetails		closeOutResponse/bd/responseStatus/messageDetails	1	300	String	0..1	O	Detailed message. May contain the xpath where the error occurs

5 APPENDIX

5.1. Response Status Code

Value	Description
SHIPMENT LEVEL	shipOrderResp/ bd/ orders/ order/ shipments
200	Shipment processed Successfully
201	Shipment validated successfully; But not processed;
202	Shipment Validation Failed. (precise validation errors will be thrown back)
400	Run time errors
203	Shipment Label Reprint Successful
SHIP ORDER LEVEL	shipOrderResp/ bd/ orders/ order
200	Shipment processed Successfully
400	Run time errors
204	Partial Shipment Processed Successfully

5.2. Country Code

Country Name	Country Code
Afghanistan	AF
Aland Islands	AX
Albania	AL
Algeria	DZ
American Samoa	AS
Andorra	AD
Angola	AO
Anguilla	AI
Antarctica	AQ
Antigua and Barbuda	AG
Argentina	AR
Armenia	AM
Aruba	AW
Australia	AU
Austria	AT
Azerbaijan	AZ
Bahamas	BS
Bahrain	BH
Bangladesh	BD
Barbados	BB
Belarus	BY
Belgium	BE
Belize	BZ
Benin	BJ
Bermuda	BM
Bhutan	BT
Bolivia,Plurinational State of	BO

Bonaire, Sint Eustatius and Saba	BQ
Bosnia and Herzegovina	BA
Botswana	BW
Bouvet Island	BV
Brazil	BR
British Indian Ocean Territory	IO
Brunei Darussalam	BN
Bulgaria	BG
Burkina Faso	BF
Burundi	BI
Cambodia	KH
Cameroon	CM
Canada	CA
Cape Verde	CV
Cayman Islands	KY
Central African Republic	CF
Chad	TD
Chile	CL
China	CN
Christmas Island	CX
Cocos Islands	CC
Colombia	CO
Comoros	KM
Congo	CG
Congo, the Democratic Republic of the	CD
Cook Islands	CK
Costa Rica	CR
Croatia	HR
Cote d'Ivoire	CI
Cuba	CU
Curacao	CW
Cyprus	CY
Czech Republic	CZ
Denmark	DK
Djibouti	DJ
Dominica	DM
Dominican Republic	DO
Ecuador	EC
Egypt	EG
El Salvador	SV
Equatorial Guinea	GQ
Eritrea	ER
Estonia	EE
Ethiopia	ET
Falkland Islands	FK

Faroe Islands	FO
Fiji	FJ
Finland	FI
France	FR
French Guiana	GF
French Polynesia	PF
French Southern Territories	TF
Gabon	GA
Gambia	GM
Georgia	GE
Germany	DE
Ghana	GH
Gibraltar	GI
Greece	GR
Greenland	GL
Grenada	GD
Guadeloupe	GP
Guam	GU
Guatemala	GT
Guernsey	GG
Guinea	GN
Guinea-Bissau	GW
Guyana	GY
Haiti	HT
Heard Island and McDonald Islands	HM
Holy See (Vatican City State)	VA
Honduras	HN
Hong Kong	HK
Hungary	HU
Iceland	IS
India	IN
Indonesia	ID
Iraq	IQ
Ireland	IE
Isle of Man	IM
Israel	IL
Italy	IT
Jamaica	JM
Japan	JP
Jersey	JE
Jordan	JO
Kazakhstan	KZ
Kenya	KE
Kiribati	KI
Korea, Democratic People's Republic of	KP

Korea, Republic of	KR
Kuwait	KW
Kyrgyzstan	KG
Lao People's Democrat Republic	LA
Latvia	LV
Lebanon	LB
Lesotho	LS
Liberia	LR
Libya	LY
Liechtenstein	LI
Lithuania	LT
Luxembourg	LU
Macao	MO
Macedonia	MK
Madagascar	MG
Malawi	MW
Malaysia	MY
Maldives	MV
Mali	ML
Malta	MT
Marshall Islands	MH
Martinique	MQ
Mauritania	MR
Mauritius	MU
Mayotte	YT
Mexico	MX
Micronesia, Federated States of	FM
Moldova, Republic of	MD
Monaco	MC
Mongolia	MN
Montenegro	ME
Montserrat	MS
Morocco	MA
Mozambique	MZ
Myanmar	MM
Namibia	NA
Nauru	NR
Nepal	NP
Netherlands	NL
New Caledonia	NC
New Zealand	NZ
Nicaragua	NI
Niger	NE
Nigeria	NG
Niue	NU

Norfolk Island	NF
Northern Mariana Islands	MP
Norway	NO
Oman	OM
Pakistan	PK
Palau	PW
Palestine, State of	PS
Panama	PA
Papua New Guinea	PG
Paraguay	PY
Peru	PE
Philippines	PH
Pitcairn	PN
Poland	PL
Portugal	PT
Puerto Rico	PR
Qatar	QA
Romania	RO
Reunion	RE
Russian Federation	RU
Rwanda	RW
St Barthelemy	BL
St Helena, Ascension and Tristan da Cunha	SH
St Kitts and Nevis	KN
St Lucia	LC
St Martin (French part)	MF
St Pierre and Miquelon	PM
Samoa	WS
San Marino	SM
Sao Tome and Principe	ST
Saudi Arabia	SA
Senegal	SN
Serbia	RS
Seychelles	SC
Sierra Leone	SL
Singapore	SG
Sint Maarten (Dutch part)	SX
Slovakia	SK
Slovenia	SI
Solomon Islands	SB
Somalia	SO
South Africa	ZA
South Georgia and the South Sandwich Islands	GS
South Sudan	SS
Spain	ES

Sri Lanka	LK
St.Vincent	VC
Sudan	SD
Suriname	SR
Svalbard and Jan Mayen	SJ
Swaziland	SZ
Sweden	SE
Switzerland	CH
Taiwan	TW
Tajikistan	TJ
Tanzania, United Republic of	TZ
Thailand	TH
Timor-Leste	TL
Togo	TG
Tokelau	TK
Tonga	TO
Trinidad and Tobago	TT
Tunisia	TN
Turkey	TR
Turkmenistan	TM
Turks and Caicos Islands	TC
Tuvalu	TV
Uganda	UG
Ukraine	UA
United Arab Emirates	AE
United Kingdom	GB
United States	US
United States Minor Outlying Islands	UM
Uruguay	UY
Uzbekistan	UZ
Vanuatu	VU
Venezuela	VE
Viet Nam	VN
Virgin Islands, British	VG
Virgin Islands, U.S.	VI
Wallis and Futuna	WF
Western Sahara	EH
Zambia	ZM
Zimbabwe	ZW

5.3. Postal Code

Value	Description
NNNN	Postal code format for Australia (AU)
NNNNNNN	Postal code format for Japan (JP)
NNN-NNNN	
AN NAA	Postal Code for United Kingdom (GB)
ANN NAA	
ANA NAA	
AAN NAA	
AANN NAA	
AANA NAA	
NNNNN	Postal Code for United States (US)
NNNNNNNNN	
NNNNN-NNNN	
NNNNNNNNNNN	

5.4. Shipping Service Code

Shipping Service Description	Shipping Service Code
GM Packet Standard	PKD
GM Packet Plus Standard	PPS
Parcel International Standard	PLD
Parcel International Direct	PLT
GM Packet Priority Manifest	PKM
GM Packet Plus Priority Manifest	PPM
Parcel International Direct Expedited	PLE

5.5. Currency Code

Country Name	Currency Code
Australia	AUD
Brazil	BRL
Canada	CAD
Switzerland	CHF
China	CNY
Denmark	DKK
Eurozone	EUR
United Kingdom	GBP
Hong Kong	HKD
Indonesia	IDR
India	INR
Japan	JPY
South Korea	KRW

Malaysia	MYR
New Zealand	NZD
Philippines	PHP
Russia	RUB
Singapore	SGD
Thailand	THB
Taiwan	TWD
United States	USD
Vietnam	VND

5.6. Recipient ID Type

Value	Description
1	National Identification Number
2	Military Number
3	Passport Number
4	Others

NOTE: "Others" is only meant for consignee with TW and HK passport. Driving license is not allowed.

5.7. Handover Option

Value	Description
1	Drop-off
2	Pick-up