DHL ECOMMERCE

API 系统对接手册

客户对接方案书_Ver1.8

DHL eCommerce Solutions Greater China

目录

1. 介绍

1.1 简介

客户可通过 API 对接实现上传订单、获取标签、修改订单、重新打印标签、追踪信息查询功能。

1.2 背景

通过 API 对接，DHLeCommerce 将和多家中大型客户实现系统集成。

所有 API 操作都需要提供密钥 Token 才可以进行。我们会为每个进行 API 对接的客户创建账号和密码，客户必须使用正确的账号和密码才可以获取到相应的密钥 Token。（密钥 Token 每 24 小时更新一次）

请联系我司对接顾问获取 API 账号及密码。

1.3 API 流程

1. 获取密钥 Token
2. 获取包裹标签
   - 编辑订单信息
   - 重新打印标签

3. 获取追踪信息

每 24 小时获取一次 Token

获取密钥 Token

系统将有效 Token 返回

Customer System

Requestor Authentication

客户上传订单数据

获取包裹标签

系统返回包裹标签

Shipment Data Validation

客户提交追踪请求

获取追踪信息

系统返回追踪信息

Tracking System

DHL eC Syetem
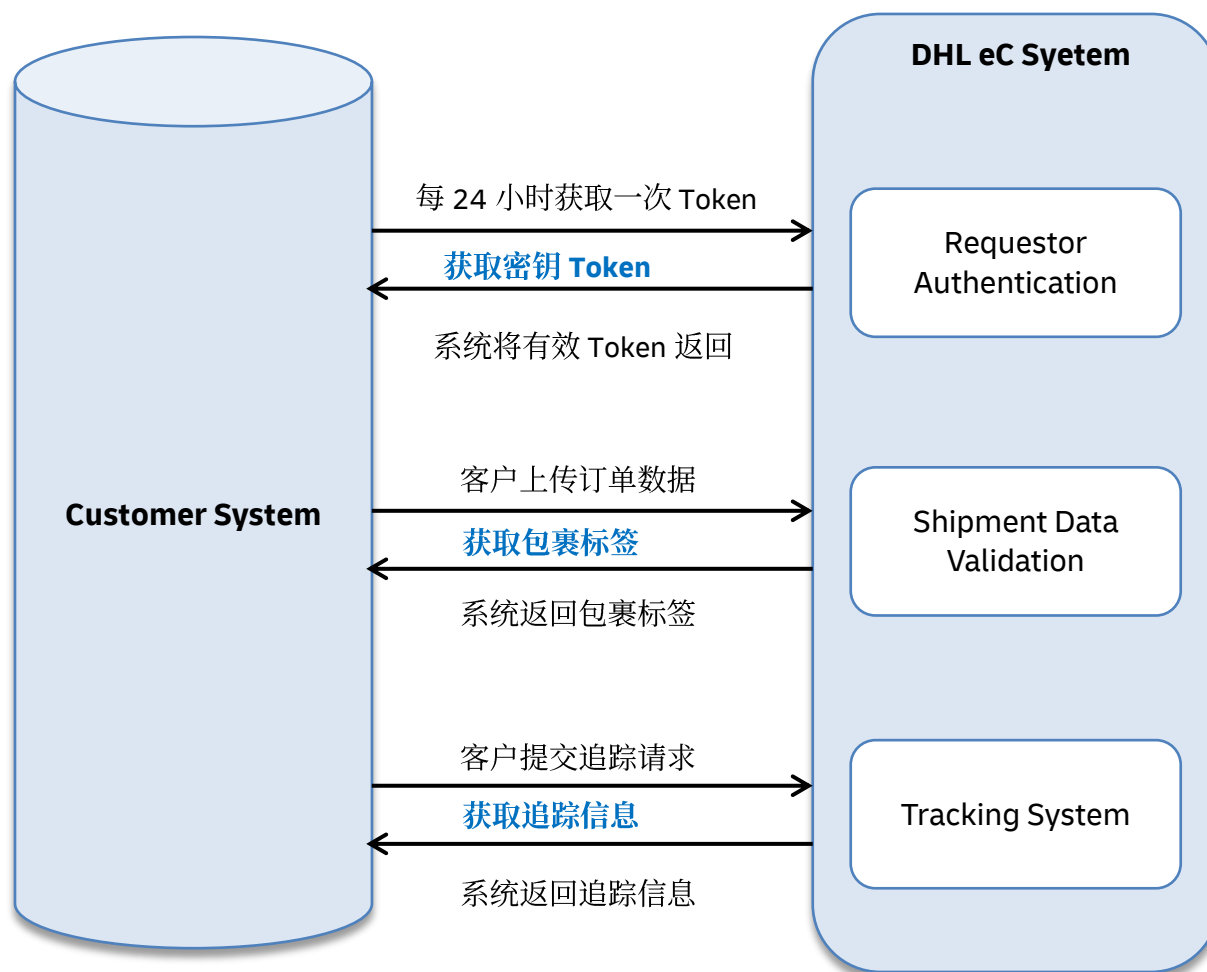
1.4 方法

Web Service 网络服务

1. RESTful (简称：Representational State Transfer)

    a. 通过 HTTP 传输

    b. 请全部使用 JSON 语句进行数据的上传

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.

如果 HTTP 请求是以 Content－Type 为首并将其设置为 application／json，则错误的详细信息将会显示在返回信息中。

1.5 HOST 地址

Production 正式环境

Category	URL
Access Token	https://api.dhlecommerce.dhl.com/rest/v1/OAuth/AccessToken
Shipping label API	https://api.dhlecommerce.dhl.com/rest/v2/Label
Tracking API	https://api.dhlecommerce.dhl.com/rest/v2/Tracking

备注：正式环境的账号和密码由对接顾问另外提供给客户。

Sandbox 测试环境

Category	URL
Access Token	https://sandbox.dhlecommerce.asia/rest/v1/OAuth/AccessToken
Shipping label API	https://sandbox.dhlecommerce.asia/rest/v2/Label
Tracking API	https://sandbox.dhlecommerce.asia/rest/v2/Tracking

2. API 沙盒测试系统

我司提供沙盒系统供用户测试使用，进行对接前的测试及检验。

沙盒测试系统:

沙盒测试账号						
销售区域	客户名称	Sold to account 记账账号	Pickup account 提货账号	Client ID	API 密码	标签尺寸
深圳账号	SZX API TEST CUST 1	5999999300	5999999300	LTIwNTI1NDUzMA==	MjAzMDI5MTU	4' x 4'
上海账号	SHA API TEST CUST 1	5999999201	5999999201	MjA2MjUyNDg1MA==	MjAzMDI5MTU	4' x 4'
香港账号	HKG API TEST CUST 1	521176	521176	MTA2NDg0ODE1OA==	MjAzMDI5MTU	4' x 4'
香港账号	HKG API TEST CUST 3	521178	521178	LTE5ODE2MTQ4MDY=	MjAzMDI5MTU	4' x 6'
深圳账号	SZX WS API CUST TEST 1	5999999302	5999999302	LTEzMDQ3ODk4NA==	MjAzMDI5MTU	WS 4' x 4'
深圳账号	SZX WS API CUST TEST 1 Pickup 2	5999999302	5330741	LTEyNzg0MjgwNjg=	MjAzMDI5MTU	WS 4' x 4'
深圳账号	SZX WS API CUST TEST 1 Pickup 3	5999999302	5330742	MTEyNjc0MDAzNA==	MjAzMDI5MTU	WS 4' x 4'
上海账号	SHA WS API CUST TEST 1	5999999202	5999999202	MTU5MzUzNjIwMA==	MjAzMDI5MTU	WS 4' x 4'
香港账号	HKG WS API CUST TEST 1	521177	521177	LTExNjUwNDE3Mzg=	MjAzMDI5MTU	WS 4' x 6'

备注:如没有特别说明,请根据所开不同区域账号使用前四个账号进行测试;WS API 仅提供给需要进行 workshare 模式对接的客人使用。

Get Label:

https://sandbox.dhlecommerce.asia/rest/v2/Label

Label Reprint:

https://sandbox.dhlecommerce.asia/rest/v2.Label.Reprint/

Tracking:

https://sandbox.dhlecommerce.asia/rest/v2/Tracking

3. 获取 Token

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用户在通过 API 访问 DHL 电子商务获取标签、追踪信息等资源时，必须同时提供正确的密钥。

用户可通过 API 账号及密码来获取密钥，密钥有效期为 24 小时。

当使用失效的密钥进行提交请求时，系统会返回"**令牌验证失败**"的错误信息，请用户重新获取最新密钥。

Note：

建议用户每 24 小时获取一次密钥，并保存在本地，方便随时调用。

请勿 在短时间内多次获取 Token，此动作会导致账户锁定。

URL endpoint	Host Name	https://sandbox.dhlecommerce.asia
	REST Resource	/rest/v1/OAuth/AccessToken
	Full Service URL	https://sandbox.dhlecommerce.asia/rest/v1/OAuth/AccessToken?clientId=<c lient ID assigned>&password=<password assigned during subscription>&returnFormat=<json>
Method	GET	
Parameters	ClientId	Client identification assigned when user/client subscribe to the API
	Password	Password assigned when user/client subscriber to the API
	ReturnFormat	Return message format. Option of • json (default) • xml Case sensitive. If not provided, default is json.
Request Message Sample (请求举例)		https://sandbox.dhlecommerce.asia/rest/v1/OAuth/AccessToken?clientId=MjA2MjUyNDg1MA==&password=MjAzMDI5MTU&returnFormat=json

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Response message Sample
 	
(返回信息举例)
	``json
	{
	  "accessTokenResponse": {
	    "token": "b3f2a8700c721b34b187fffffe75e7b4",
	    "token_type": "Bearer",
	    "expires_in_seconds": "86400",
	    "client_id": "MjA2MjUyNDg1MA==",
	    "responseStatus": {
	      "code": "100000",
	      "message": "Service operation completed successfully",
	      "messageDetails": "Access token assigned."
	    }
	  }
	}
	``

4. 获取标签

4.1 RESTful API

Service Name	获取发货面单
Endpoint URL	https://sandbox.dhlecommerce.asia/rest/v2/Label
Method	Post

Request Message Sample

报文范例：

```json
{
  "labelRequest": {
    "hdr": {
      "accessToken": "86d367d0c91713059790fffe8bfc7e0b",
      "messageDateTime": "2017-03-27T15:28:15+08:00",
      "messageLanguage": "zh_CN",
      "messageType": "LABEL",
      "messageVersion": "1.4"
    },
```

```
"bd": {
  "pickupAccountId": "5999999201",
  "soldToAccountId": "5999999201",
  "pickupDateTime": "2017-03-27T15:28:15+08:00",
  "pickupAddress": {
    "address1": "Pickupaddress1",
    "address2": "Pickupaddress2",
    "address3": "Pickupaddress3",
    "city": "PickupCity",
    "companyName": "Pickupcompanyname",
    "country": "CN",
    "district": "Pickupdistrict",
    "email": "pickup@email.com",
    "name": "pickupname",
    "phone": "13590205306",
    "postCode": "518109",
    "state": "pickupstate"
  },
  "shipperAddress": {
    "address1": "shipperaddress1",
    "address2": "shipperaddress2",
    "address3": "shipperaddress3",
    "city": "shipperCity",
    "companyName": "shippercompanyname",
    "country": "CN",
    "district": "shipperdistrict",
    "email": "shipper@email.com",
    "name": "shippername",
    "phone": "13590205306",
    "postCode": "518109",
    "state": "shipperstate",
    "fiscalId": "shipperID",
    "fiscalIdType": "shipperIDType"
  },
  "shipmentItems": [
    {
      "consigneeAddress": {
        "idNumber": null,
        "idType": null,
        "address1": "consigneeaddress1",
        "address2": "consigneeaddress2",
        "address3": "consigneeaddress3",
```

```
      "city": "consigneecity",
      "companyName": "consigneecompanyname",
      "country": "DE",
      "district": "consigneedistrick",
      "email": "consignee@email.com",
      "name": "consigneename",
      "phone": "1234567890",
      "postCode": "627008",
      "state": "ConsigneeState",
      "fiscalId": "ConsigneeID",
      "fiscalIdType": "ConsigneeIDType"
    },
    "returnAddress": {
      "address1": "Returnaddress1",
      "address2": "Returnaddress2",
      "address3": "Returnaddress3",
      "city": "ReturnCity",
      "companyName": "Returncompanyname",
      "country": "CN",
      "district": "Returndistrict",
      "email": "Return@email.com",
      "name": "Returnname",
      "phone": "13590205306",
      "postCode": "518109",
      "state": "Returnstate"
    },
    "shipmentID": "TEST201708150001",
    "deliveryConfirmationNo": null,
    "packageDesc": "ShipmentDescription",
    "totalWeight": 660,
    "totalWeightUOM": "G",
    "codValue": 0,
    "contentIndicator": "00",
    "totalValue": 10,
    "currency": "USD",
    "customerReference1": "customerReference1",
    "customerReference2": "customerReference2",
    "freightCharge": 0,
    "height": null,
    "length": null,
    "width": null,
    "dimensionUOM": "CM",
```

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```json
          "incoterm": "DDU",
          "insuranceValue": 0,
          "productCode": "PPS",
          "remarks": "remarks",
          "taxPrepaid ": "N",
          "shipmentContents": [
            {
              "contentIndicator": "00",
              "countryOfOrigin": "CN",
              "description": "contentdescription",
              "descriptionExport": "中文描述",
              "descriptionImport": "ENGdescription",
              "grossWeight": 200,
              "weightUOM": "G",
              "hsCode": null,
              "itemQuantity": 1,
              "itemValue": 10,
              "skuNumber": "SKU12345"
            }
          ]
        }
      ],
      "label": {
        "format": "PNG",
        "layout": "1x1",
        "pageSize": "400x400"
      }
    }
  }
}
```

报文 4 级叠起:

```json
{
  "labelRequest": {
    "hdr": {
```

```json
      "accessToken": "86d367d0c91713059790fffe8bfc7e0b",
      "messageDateTime": "2017-03-27T15:28:15+08:00",
      "messageLanguage": "zh_CN",
      "messageType": "LABEL",
      "messageVersion": "1.4"
    },
    "bd": {
      "pickupAccountId": "5999999201",
      "soldToAccountId": "5999999201",
      "pickupDateTime": "2017-03-27T15:28:15+08:00",
      "pickupAddress": { ⊞ ⋯ },
      "shipperAddress": { ⊞ ⋯ },
      "shipmentItems": [ ⊞ ⋯ ],
      "label": { ⊞ ⋯ }
    }
  }
}
```

报文 5 级叠起：

```json
{
  "labelRequest": {
    "hdr": {
      "accessToken": "86d367d0c91713059790fffe8bfc7e0b",
      "messageDateTime": "2017-03-27T15:28:15+08:00",
      "messageLanguage": "zh_CN",
      "messageType": "LABEL",
      "messageVersion": "1.4"
    },
    "bd": {
      "pickupAccountId": "5999999201",
      "soldToAccountId": "5999999201",
      "pickupDateTime": "2017-03-27T15:28:15+08:00",
      "pickupAddress": {
        "address1": "Pickupaddress1",
        "address2": "Pickupaddress2",
        "address3": "Pickupaddress3",
        "city": "PickupCity",
        "companyName": "Pickupcompanyname",
        "country": "CN",
        "district": "Pickupdistrict",
```

```json
        "email": "pickup@email.com",
        "name": "pickupname",
        "phone": "13590205306",
        "postCode": "518109",
        "state": "pickupstate"
    },
    "shipperAddress": {
        "address1": "shipperaddress1",
        "address2": "shipperaddress2",
        "address3": "shipperaddress3",
        "city": "shipperCity",
        "companyName": "shippercompanyname",
        "country": "CN",
        "district": "shipperdistrict",
        "email": "shipper@email.com",
        "name": "shippername",
        "phone": "13590205306",
        "postCode": "518109",
        "state": "shipperstate",
        "fiscalId": "shipperID",
        "fiscalIdType": "shipperIDType"
    },
    "shipmentItems": [
        {...}
    ],
    "label": {
        "format": "PNG",
        "layout": "1x1",
        "pageSize": "400x400"
    }
  }
 }
}
```

4.2 请求信息字段规范及描述

4.2.1 字段定义属性描述及简介

字段属性全称	字段属性简称	字段属性描述
Mandatory	M	必须使用
Conditional	C	根据服务渠道来选择是否填写
Optional	O	选择使用
Not used	X	不被使用

4.2.2 请求信息字段规范及描述

获取面单请求						
字段	路径	最短长度	最长长度	数据类型	属性	描述
LabelRequest	labelRequest	-	-	Group	M	
hdr	labelRequest/hdr	-	-	Group	M	
accessToken	labelRequest/hdr/accessToken	32	32	String	M	
messageDateTime	labelRequest/hdr/messageDateTime	-	-	Data Time	M	请求日期和时间 格式：CCYY-MMDDThh:mm:ssTZD 举例：2017-03-27T15:28:15+08:00
messageLanguage	labelRequest/hdr/messageLanguage	-	-	String	M	语言：en/zh_CH/th_TH (英文、中文、泰语)
messageType	labelRequest/hdr/messageType	5	5	String	M	必须为"LABEL"
messageVersion	labelRequest/hdr/messageVersion	-	-	String	M	默认为"1.4"

bd	labelRequest/bd	-	-	Group	M	
pickupAccou ntId	labelRequest/bd/pickupAc countId	6	10	String	M	DHL Soldto Account
soldToAccou ntId	labelRequest/bd/soldToAc countId	6	10	String	M	DHL Pickup Account
pickupDateTi me	labelRequest/bd/pickupDa teTime	-	-	Data Time	M	提货日期和时间 格式：CCYY-MMDDThh:mm:ssTZD 举例：2017-03-27T15:28:15+08:00
pickupAddre ss	labelRequest/bd/pickupAd dress	-	-	Group	O	提货地址详情
address1	labelRequest/bd/pickupAd dress/address1	1	50	String	M	提货地址栏位 1
address2	labelRequest/bd/pickupAd dress/address2	1	50	String	O	提货地址栏位 2
address3	labelRequest/bd/pickupAd dress/address3	1	30	String	O	提货地址栏位 3
city	labelRequest/bd/pickupAd dress/city	1	30	String	M	提货地址城市
company Name	labelRequest/bd/pickupAd dress/companyName	1	30	String	O	提货公司名称
country	labelRequest/bd/pickupAd dress/country	2	2	String	M	提货地址国家
district	labelRequest/bd/pickupAd dress/district	1	20	String	O	提货地址地区
email	labelRequest/bd/pickupAd dress/email	1	50	String	O	提货联系人邮箱
name	labelRequest/bd/pickupAd dress/name	1	30	String	M	提货联系人姓名
phone	labelRequest/bd/pickupAd dress/phone	1	20	String	O	提货联系人电话
postCode	labelRequest/bd/pickupAd dress/postCode	1	11	String	O	提货地址邮编
state	labelRequest/bd/pickupAd dress/state	2	20	String	O	提货地址州
shipperAddr ess	labelRequest/bd/shipperA ddress	-	-	Group	M	发件人地址详情
Address1	labelRequest/bd/shipperA ddress/address1	1	50	String	M	发货地址栏位

address2	labelRequest/bd/shipperAddress/address2	1	50	String	M	发货地址栏位
address3	labelRequest/bd/shipperAddress/address3	1	30	String	M	发货地址栏位
city	labelRequest/bd/shipperAddress/city	1	30	String	M	发货地址城市
companyName	labelRequest/bd/shipperAddress/companyName	1	30	String	O	发货公司名称
country	labelRequest/bd/shipperAddress/country	2	2	String	M	发货地址国家
district	labelRequest/bd/shipperAddress/district	1	20	String	O	发货地址地区
email	labelRequest/bd/shipperAddress/email	1	50	String	O	发货联系人邮箱
name	labelRequest/bd/shipperAddress/name	1	30	String	M	发货联系人姓名
phone	labelRequest/bd/shipperAddress/phone	1	20	String	O	发货联系人电话
postCode	labelRequest/bd/shipperAddress/postCode	1	11	String	O	发货地址邮编
state	labelRequest/bd/shipperAddress/state	2	20	String	O	发货地址州
fiscalId	labelRequest/bd/shipperAddress/ fiscalId	1	50	String	O	发货人税务登记号: e.g: Income Tax, VAT, GST, EORI, IOSS, Permanent Account Number (PAN), etc.
fiscalIdType	labelRequest/bd/shipperAddress/ fiscalIdType	1	2	Numeric	O	发货人税务登记号类型，允许以下值: 0 – Other / Unknown 1 - GST/VAT 2 – EORI (EU) 3 – IOSS (EU) 4 – DHL DDP 5 – PAN (IN)
shipmentItems	labelRequest/bd/shipmentItems	-	-	Group	M	发货包裹信息详情
consigneeAddress	labelRequest/bd/shipmentItems/consigneeAddress	-	-	String	M	收件人地址详情
idNumber	labelRequest/bd/shipmentItems/consigneeAddress/idNumber	1	30	String	O	收件人身份证号码，默认为 null

idType	labelRequest/bd/shipmentItems/consigneeAddress/idType	1	2	String	O	收件人身份证类型，默认为 null
address1	labelRequest/bd/shipmentItems/consigneeAddress/address1	1	50	String	M	收件人地址栏位 1
address2	labelRequest/bd/shipmentItems/consigneeAddress/address2	1	50	String	O	收件人地址栏位 2
address3	labelRequest/bd/shipmentItems/consigneeAddress/address3	1	30	String	O	收件人地址栏位 3
city	labelRequest/bd/shipmentItems/consigneeAddress/city	1	30	String	M	收件人地址城市
companyName	labelRequest/bd/shipmentItems/consigneeAddress/companyName	1	30	String	O	收件人公司名称
country	labelRequest/bd/shipmentItems/consigneeAddress/country	2	2	String	M	收件人地址国家
district	labelRequest/bd/shipmentItems/consigneeAddress/district	1	20	String	O	收件人地址地区
email	labelRequest/bd/shipmentItems/consigneeAddress/email	1	50	String	O	收件联系人邮箱
name	labelRequest/bd/shipmentItems/consigneeAddress/name	1	30	String	M	收件联系人姓名
phone	labelRequest/bd/shipmentItems/consigneeAddress/phone	1	20	String	O	收件联系人电话
postCode	labelRequest/bd/shipmentItems/consigneeAddress/postCode	1	11	String	M	收件人地址邮编,部分服务有邮编校验，详细请查阅附录 8
state	labelRequest/bd/shipmentItems/consigneeAddress/state	2	20	String	C	收件人地址州 (中美专线为必填项，且只接受 State 2 字代码，参考附件《美国州代码》)

	fiscalId	labelRequest/bd/shipmentItems/consigneeAddress/fiscalId	1	50	String	O	收件人税务登记号: e.g: Income Tax, VAT, GST, EORI, IOSS, Permanent Account Number (PAN), etc.
	fiscalId Type	labelRequest/bd/shipmentItems/consigneeAddress/fiscalIdType	1	2	Numeric	O	收件人税务登记号类型，允许以下值: 0 – Other / Unknown 1 - GST/VAT 2 – EORI (EU) 3 – IOSS (EU) 4 - TBD 5 – PAN (IN)
returnAddress		labelRequest/bd/shipmentItems/returnAddress	-	-	Group	O	退件地址详情
	address1	labelRequest/bd/shipmentItems/returnAddress/address1	1	50	String	M	退件地址栏位 1
	address2	labelRequest/bd/shipmentItems/returnAddress/address2	1	50	String	O	退件地址栏位 2
	address3	labelRequest/bd/shipmentItems/returnAddress/address3	1	30	String	O	退件地址栏位 3
	city	labelRequest/bd/shipmentItems/returnAddress/city	1	30	String	M	退件地址城市
	companyName	labelRequest/bd/shipmentItems/returnAddress/companyName	1	30	String	O	退件联系人公司名称
	country	labelRequest/bd/shipmentItems/returnAddress/country	2	2	String	M	退件地址国家
	district	labelRequest/bd/shipmentItems/returnAddress/district	1	20	String	O	退件地址地区
	email	labelRequest/bd/shipmentItems/returnAddress/email	1	50	String	O	退件联系人邮箱
	name	labelRequest/bd/shipmentItems/returnAddress/name	1	30	String	M	退件联系人姓名

phone	labelRequest/bd/shipmentItems/returnAddress/phone	1	20	String	O	退件联系人电话
postCode	labelRequest/bd/shipmentItems/returnAddress/postCode	1	11	String	O	退件地址邮编
state	labelRequest/bd/shipmentItems/returnAddress/state	2	20	String	O	退件人地址州
shipmentID	labelRequest/bd/shipmentItems/shipmentID	1	35	String	M	发货号码（shipment id）是由客户代码（如 CNXXX）+订单编号组成的。订单编号建议使用长度不超过 15 位的数字，如日期流水号，YYYYMMDD+流水号（示例 201910110001）。发货号码示例：CNXXX201910110001
deliveryConfirmationNo	labelRequest/bd/shipmentItems/deliveryConfirmationNo	1	40	String	O	追踪号，默认为 null
packageDesc	labelRequest/bd/shipmentItems/packageDesc	3	50	String	M	包裹品类概括描述：例如：Fashion/Watch/Electronic
totalWeight	labelRequest/bd/shipmentItems/totalWeight	1	5	Numeric	M	包裹总重量
totalWeightUOM	labelRequest/bd/shipmentItems/totalWeightUOM	1	3	String	M	包裹总重量单位：默认为"G"
codValue	labelRequest/bd/shipmentItems/codValue	-	-	Numeric	O	货到付款金额，默认为 0.00
contentIndicator	labelRequest/bd/shipmentItems/contentIndicator	2	2	String	M	包裹属性标识。如客户未开通带电，则默认 null。

						如客户开通带电，则 00 - 普货，04 - 带电。
totalValue	labelRequest/bd/shipmentItems/totalValue	-	-	Numeric	M	包裹总价值
currency	labelRequest/bd/shipmentItems/currency	3	3	String	M	包裹总价值币种
customerReference1	labelRequest/bd/shipmentItems/customerReference1	1	50	String	O	默认为 null
customerReference2	labelRequest/bd/shipmentItems/customerReference2	1	50	String	O	默认为 null
freightCharge	labelRequest/bd/shipmentItems/freightCharge	-	-	Numeric	O	货运费，默认为 0.00。
height	labelRequest/bd/shipmentItems/height	-	-	Numeric	O	包裹高
length	labelRequest/bd/shipmentItems/length	-	-	Numeric	O	包裹长
width	labelRequest/bd/shipmentItems/width	-	-	Numeric	O	包裹宽
dimensionUOM	labelRequest/bd/shipmentItems/dimensionUOM	2	2	String	M	包裹长度单位
incoterm	labelRequest/bd/shipmentItems/incoterm	3	3	String	M	国际贸易简制（DDU - 平邮、挂号、中英、中澳）（DDP - 中美、中以）
insuranceValue	labelRequest/bd/shipmentItems/insuranceValue	-	-	Numeric	O	包裹保险金额
productCode	labelRequest/bd/shipmentItems/productCode	3	3	String	M	包裹产品编码
workshareIndicator	labelRequest/bd/shipmentItems/workshareIndicator	2	2	String	C	此字段只针对 WS 客户，直客无需填写。
remarks	labelRequest/bd/shipmentItems/remarks	1	200	c	O	包裹备注（会出现在报关标签中的 Remarks 中）
taxPrepaid	labelRequest/bd/shipmentItems/ taxPrepaid	1	1	String	O	如在 DDP 情况下，预付或未预付税款的标识。Y = pre-paid N= not prepaid

shipment Contents	labelRequest/bd/shipmentItems/shipmentContents	-	-	Group	M	包裹物品详细描述
	content Indicator	labelRequest/bd/shipmentItems/shipmentContents/contentIndicator	2	2	String	M	产品属性标识。 如客户未开通带电，则默认 null。 如客户开通带电，则 00 - 普货，04 - 带电。
	country OfOrigin	labelRequest/bd/shipmentItems/shipmentContents/countryOfOrigin	2	2	String	M	产品原产国。 如 CN 或 HK
	description	labelRequest/bd/shipmentItems/shipmentContents/description	3	50	String	M	产品描述。
	description Export	labelRequest/bd/shipmentItems/shipmentContents/descriptionExport	1	50	String	M	产品中文出口描述。
	description Import	labelRequest/bd/shipmentItems/shipmentContents/descriptionImport	1	50	String	M	产品英文进口描述。
	grossWeight	labelRequest/bd/shipmentItems/shipmentContents/grossWeight	1	6	Numeric	O	产品净重。
	weight UOM	labelRequest/bd/shipmentItems/shipmentContents/weightUOM	1	6	String	M	产品净重单位。
	hsCode	labelRequest/bd/shipmentItems/shipmentContents/hsCode	6	20	String	O	产品海关编码（如果不确定就定义为 null，或 1234567890）
	itemQuantity	labelRequest/bd/shipmentItems/shipmentContents/itemQuantity	-	-	Integer	M	产品数量。
	itemValue	labelRequest/bd/shipmentItems/shipmentContents/itemValue	-	-	Numeric	O	产品单价。
	skuNumber	labelRequest/bd/shipmentItems/shipmentContents/skuNumber	1	50	String	M	产品 SKU 编码。
inlineLabelReturn		labelRequest/bd/inlineLabelReturn	1	1	String	O	仅可定义三个值： Y – 直接返回面单

							N – 不返回面单，仅获取追踪号 U – 返回 URL 面单链接
	label	labelRequest/bd/label	-	-	Group	M	
	format	labelRequest/bd/label/format	3	3	String	M	包裹标签输出格式 （PNG、PDF）
	layout	labelRequest/bd/label/layout	1	10	String	M	默认为"1x1"
	pageSize	labelRequest/bd/label/pageSize	1	10	String	M	包裹标签大小。 （400x400 或 400x600）

4.3 返回信息字段描述

4.3.1 Response Message Sample – PNG

```json
{
  "labelResponse": {
    "hdr": {
      "messageType": "LABEL",
      "messageDateTime": "2017-09-18T16:24:54+08:00",
      "messageVersion": "1.4",
      "messageLanguage": "zh_CN"
    },
    "bd": {
      "labels": [
        {
          "shipmentID": "TESTLY20170918001",
          "deliveryConfirmationNo": "LW156499151DE",
```

```json
        "labelURL": null,
        "content": "第一张 PNG 图片 Base64 字节流",
        "responseStatus": {
          "code": "200",
          "message": "成功",
          "messageDetails": [
            {
              "messageDetail": "货次已处理，而标签亦已生成；"
            }
          ]
        }
      },
      {
        "shipmentID": "TESTLY20170918001",
        "deliveryConfirmationNo": "LW156499151DE",
        "labelURL": null,
        "content": "第二张 PNG 图片 Base64 字节流",
        "responseStatus": {
          "code": "200",
          "message": "成功",
          "messageDetails": [
            {
              "messageDetail": "货次已处理，而标签亦已生成；"
            }
          ]
        }
      }
    ],
    "responseStatus": {
      "code": "200",
      "message": "成功",
      "messageDetails": [
        {
          "messageDetail": "所有货次已顺利处理。"
        }
      ]
    }
  }
}
```

```
}
```

Note：此处 Base 64 字节为 PNG 格式。请 IT 将 Base64 字节流转化为 PNG 格式。

4.3.2 Request Message Sample – PDF

```json
{
  "labelResponse": {
    "hdr": {
      "messageType": "LABEL",
      "messageDateTime": "2017-09-18T16:41:41+08:00",
      "messageVersion": "1.4",
      "messageLanguage": "zh_CN"
    },
    "bd": {
      "labels": [
        {
          "shipmentID": "TESTLY20170918002",
          "deliveryConfirmationNo": "LW156499678DE",
          "labelURL": null,
          "content": "PDF 标签文档 Base64 字节流",
          "responseStatus": {
            "code": "200",
            "message": "成功",
            "messageDetails": [
              {
                "messageDetail": "货次已处理，而标签亦已生成；"
              }
            ]
          }
        }
      ],
      "responseStatus": {
        "code": "200",
        "message": "成功",
```

```
      "messageDetails": [
        {
          "messageDetail": "所有货次已顺利处理。"
        }
      ]
    }
  }
}
```

Note：此处 Base 64 字节为 PDF 格式。请 IT 将 Base64 字节流转化为 PDF 文档。

5. 可选步骤

5.1 编辑发货数据

Service Name	编辑包裹信息
Endpoint URL	https://sandbox.dhlecommerce.asia/rest/v2/Label/Edit
Method	Post

请务必保证以下 3 个字段的准确（需与第一次 Label Request 报文中的字段赋值相同）：

"pickupAccountId": "5999999201",

"soldToAccountId": "5999999201",

"shipmentID": "TEST20170926001"

Note: 发货数据只可以在数据自动提交之前进行编辑。

数据自动提交时间为每天 01:00am / 15:00pm / 23:00pm

编辑包裹信息报文 edit shipment label request sample：

```
{
  "labelRequest": {
    "hdr": {
      "accessToken": "7c638df0983a11499014fffff84929c2",
      "messageDateTime": "2017-03-27T15:28:15+08:00",
      "messageLanguage": "zh_CN",
      "messageType": "EDITSHIPMENT",
      "messageVersion": "1.4"
    },
    "bd": {
      "pickupAccountId": "5999999201",
      "soldToAccountId": "5999999201",
      "pickupDateTime": "2017-03-27T15:28:15+08:00",
      "pickupAddress": {
        "address1": "Pickupaddress1",
        "address2": "Pickupaddress2",
        "address3": "Pickupaddress3",
        "city": "PickupCity",
        "companyName": "Pickupcompanyname",
        "country": "CN",
        "district": "Pickupdistrict",
        "email": "pickup@email.com",
        "name": "pickupname",
        "phone": "13590205306",
        "postCode": "518109",
        "state": "pickupstate"
      },
      "shipperAddress": {
        "address1": "shipperaddress1",
        "address2": "shipperaddress2",
        "address3": "shipperaddress3",
        "city": "shipperCity",
        "companyName": "shippercompanyname",
        "country": "CN",
        "district": "shipperdistrict",
        "email": "shipper@email.com",
        "name": "shippername",
        "phone": "13590205306",
```

```json
        "postCode": "518109",
        "state": "shipperstate"
    },
    "shipmentItems": [
      {
        "consigneeAddress": {
          "idNumber": null,
          "idType": null,
          "address1": "consigneeaddress1",
          "address2": "consigneeaddress2",
          "address3": "consigneeaddress3",
          "city": "consigneecity",
          "companyName": "consigneecompanyname",
          "country": "DE",
          "district": "consigneedistrick",
          "email": "consignee@email.com",
          "name": "consigneename",
          "phone": "1234567890",
          "postCode": "627008",
          "state": "ConsigneeState"
        },
        "returnAddress": {
          "address1": "Returnaddress1",
          "address2": "Returnaddress2",
          "address3": "Returnaddress3",
          "city": "ReturnCity",
          "companyName": "Returncompanyname",
          "country": "CN",
          "district": "Returndistrict",
          "email": "Return@email.com",
          "name": "Returnname",
          "phone": "13590205306",
          "postCode": "518109",
          "state": "Returnstate"
        },
        "shipmentID": " TEST20170926001",
        "deliveryConfirmationNo": null,
        "packageDesc": "ShipmentDescription",
        "totalWeight": 660,
        "totalWeightUOM": "G",
        "codValue": 0,
        "contentIndicator": "00",
```

```json
      "totalValue": 10,
      "currency": "USD",
      "customerReference1": "customerReference1",
      "customerReference2": "customerReference2",
      "freightCharge": 0,
      "height": null,
      "length": null,
      "width": null,
      "dimensionUOM": "CM",
      "incoterm": "DDU",
      "insuranceValue": 0,
      "productCode": "PPS",
      "remarks": "remarks",
      "shipmentContents": [
        {
          "contentIndicator": "00",
          "countryOfOrigin": "CN",
          "description": "contentdescription",
          "descriptionExport": "中文描述",
          "descriptionImport": "ENGdescription",
          "grossWeight": 200,
          "weightUOM": "G",
          "hsCode": null,
          "itemQuantity": 1,
          "itemValue": 10,
          "skuNumber": "SKU12345"
        }
      ]
    }
  ],
  "label": {
    "format": "PNG",
    "layout": "1x1",
    "pageSize": "400x400"
  }
 }
 }
}
```

编辑包裹返回报文：

```json
{
  "labelResponse": {
    "hdr": {
      "messageType": "EDITSHIPMENT",
      "messageDateTime": "2017-10-13T08:25:29Z",
      "messageVersion": "1.4",
      "messageLanguage": "zh_CN"
    },
    "bd": {
      "labels": [
        {
          "shipmentID": "TEST201710130001",
          "deliveryConfirmationNo": "RX524229233DE",
          "labelURL": null,
          "content": "标签 PDFBase64 字节流",
          "responseStatus": {
            "code": "200",
            "message": "成功",
            "messageDetails": [
              {
                "messageDetail": "货次已处理，而标签亦已生成；"
              }
            ]
          }
        }
      ],
      "responseStatus": {
        "code": "200",
        "message": "成功",
        "messageDetails": [
          {
            "messageDetail": "所有货次已顺利处理。"
          }
        ]
      }
    }
  }
}
```

Note：请 IT 将 Base64 字节流转化为 PDF 文档。

5.2 重新获取标签

Service Name	重新获取标签
Endpoint URL	https://sandbox.dhlecommerce.asia /rest/v2.Label.Reprint/
Method	Post

重新获取标签报文：

```json
{
  "labelReprintRequest": {
    "hdr": {
      "messageType": "LABELREPRINT",
      "messageDateTime": "2016-01-12T11:20:27+08:00",
      "accessToken": "c08a192076a61375bbd1ffffc7f047f3",
      "messageVersion": "1.0",
      "messageLanguage": "zh_CN"
    },
    "bd": {
      "pickupAccountId": "5999999201",
      "soldToAccountId": "5999999201",
      "shipmentItems": [
        {
          "shipmentID": "TEST201710100002"
        }
      ]
    }
  }
}
```

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重新获取标签返回报文：

```
{
  "labelReprintResponse": {
    "hdr": {
      "messageType": "LABELREPRINT",
      "messageDateTime": "2017-10-11T16:24:32+08:00",
      "accessToken": "c08a192076a61375bbd1ffffc7f047f3",
      "messageVersion": "1.0",
      "messageLanguage": "zh_CN"
    },
    "bd": {
      "shipmentItems": [
        {
          "shipmentID": "TEST201710100002",
          "deliveryConfirmationNo": "RX590415529DE",
          "content": " PDF 标签文档 Base64 字节流",
          "responseStatus": {
            "code": "200",
            "message": "成功",
            "messageDetails": "标签重印成功。"
          }
        }
      ],
      "responseStatus": {
        "code": "200",
        "message": "成功",
        "messageDetails": "所有的包裹标签重印成功。"
      }
    }
  }
}
```

Note：请 IT 将 Base64 字节流转化为 PDF 文档。

5.3 追踪信息查询

Service Name	获取包裹追踪信息
Endpoint URL	https://sandbox.dhlecommerce.asia/rest/v2/Tracking
Method	Post

Tracking Request Sample:

追踪信息查询报文：

```
{
  "trackItemRequest": {
    "trackingReferenceNumber": [
      "CNBBTP0125103680"
    ],
    "messageLanguage": "zh_CN",
    "messageVersion": "1.1",
    "token": "38186820de8a1358bb27fffea578a5f5"
  }
}
```

Response Message Sample：

返回报文示例：

```
{
  "trackItemResponse": {
    "messageLanguage": "zh_CN",
    "messageVersion": "1.1",
    "responseText": "1 发现物品..成功",
    "responseCode": 0,
    "items": [
      {
        "id": null,
        "shipmentID": "CNBBTP0125103680",
```

```
"trackingID": "LW079789432DE",
"orderNumber": "89996325948",
"consignmentNoteNumber": "89996325948",
"serviceCode": {
  "code": "PPS",
  "mailTerminalId": null
},
"destination": {
  "countryCode": "SE"
},
"weight": "146.96",
"weightUnit": "G",
"events": [
  {
    "status": "71005",
    "description": "SUBMITTED",
    "timestamp": "2017-08-31 10:00:13",
    "timezone": "GMT",
    "address": {
      "city": "Longhua District SZ",
      "postalCode": "518000",
      "state": "190",
      "countryCode": "CN"
    }
  },
  {
    "status": "77123",
    "description": "Electronic Notification Received",
    "timestamp": "2017-08-31 18:14:12",
    "timezone": "LT",
    "address": {
      "city": null,
      "postalCode": null,
      "state": null,
      "countryCode": "CN"
    }
  },
  {
    "status": "77206",
    "description": "PICKED UP",
    "timestamp": "2017-09-04 22:28:48",
    "timezone": "LT",
```

```
      "address": {
        "city": "深圳市",
        "postalCode": null,
        "state": null,
        "countryCode": "CN"
      }
    },
    {
      "status": "77014",
      "description": "Arrival at Facility",
      "timestamp": "2017-09-05 17:49:26",
      "timezone": "LT",
      "address": {
        "city": "Shenzhen",
        "postalCode": null,
        "state": null,
        "countryCode": "CN"
      }
    },
    {
      "status": "77015",
      "description": "Processing at DHLeC Facility",
      "timestamp": "2017-09-05 20:50:10",
      "timezone": "LT",
      "address": {
        "city": "Shenzhen",
        "postalCode": null,
        "state": null,
        "countryCode": "CN"
      }
    },
    {
      "status": "77032",
      "description": "Departed DHLeC Facility",
      "timestamp": "2017-09-06 03:15:12",
      "timezone": "LT",
      "address": {
        "city": "Shenzhen",
        "postalCode": null,
        "state": null,
        "countryCode": "CN"
      }
```

```json
    },
    {
      "status": "77052",
      "description": "Processing at Facility",
      "timestamp": "2017-09-07 10:35:27",
      "timezone": "LT",
      "address": {
        "city": "MT Hongkong",
        "postalCode": null,
        "state": null,
        "countryCode": " "
      }
    },
    {
      "status": "77052",
      "description": "Processing at Facility",
      "timestamp": "2017-09-07 17:22:16",
      "timezone": "LT",
      "address": {
        "city": "Deutsche Post Singapore",
        "postalCode": null,
        "state": null,
        "countryCode": "SG"
      }
    },
    {
      "status": "77203",
      "description": "Departed on Outbound Flight",
      "timestamp": "2017-09-08 10:10:00",
      "timezone": "LT",
      "address": {
        "city": "HONG KONG",
        "postalCode": null,
        "state": null,
        "countryCode": "CN"
      }
    },
    {
      "status": "77200",
      "description": "Departed from Transit Facility",
      "timestamp": "2017-09-07 13:46:24",
      "timezone": "LT",
```

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```
    "address": {
      "city": "DPHKGA",
      "postalCode": null,
      "state": null,
      "countryCode": "DP"
    }
  },
  {
    "status": "77235",
    "description": "Shipment arrived at destination country",
    "timestamp": "2017-09-09 12:45:00",
    "timezone": "LT",
    "address": {
      "city": "Arlanda",
      "postalCode": null,
      "state": null,
      "countryCode": "SE"
    }
  },
  {
    "status": "77057",
    "description": "Arrival at Destination Country",
    "timestamp": "2017-09-10 20:44:00",
    "timezone": "LT",
    "address": {
      "city": "STOCKHOLM",
      "postalCode": null,
      "state": null,
      "countryCode": "SE"
    }
  },
  {
    "status": "77201",
    "description": "Departed from Local Distribution Center",
    "timestamp": "2017-09-11 16:10:00",
    "timezone": "LT",
    "address": {
      "city": "SESTOA",
      "postalCode": null,
      "state": null,
      "countryCode": "SE"
    }
```

```
      },
      {
        "status": "77090",
        "description": "Out for Delivery",
        "timestamp": "2017-09-12 14:17:00",
        "timezone": "LT",
        "address": {
          "city": null,
          "postalCode": null,
          "state": null,
          "countryCode": "SE"
        }
      },
      {
        "status": "77093",
        "description": "Delivered",
        "timestamp": "2017-09-14 17:11:00",
        "timezone": "LT",
        "address": {
          "city": null,
          "postalCode": null,
          "state": null,
          "countryCode": "SE"
        }
      }
    ]
  }
 ]
 }
}
```

请 IT 依次读取追踪信息返回报文中的 Description 以形成完整的追踪轨迹。

5.4 Close out API

1. 此 API 为分工合作模式客户使用

Service Name	Close out API
Endpoint URL	https://sandbox.dhlecommerce.asia/rest/v2/Order/Shipment/CloseOut/
Method	Post

Close out API 报文：

```
{
 "closeOutRequest":{
   "hdr" : {
   "messageType": "CLOSEOUT",
   "accessToken":"74f4967d3cfd4c6ea6deb098cac5d3ac",
   "messageDateTime": "2016-09-15T19:56:26+08:00",
   "messageVersion": "1.3",
   "messageLanguage": "en"
   },
   "bd":{
   "customerAccountId":null,
   "pickupAccountId": "521242",
   "soldToAccountId": "521242",
   "handoverID": null,
   "generateHandover":"Y",
   "handoverMethod": 1,
   "shipmentItems": [
    {
     "shipmentID":"HKG-BATWSAPI44-PPSLT101901",
                 "bagID":"HKHKG0000521242201000007"
    },
    {
     "shipmentID":"HKG-BATWSAPI44-PPSRU101901",
                 "bagID":"HKHKG0000521242201000007"
    }
   ]
  }
 }
}
```

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Close out API 返回报文：

```json
{
  "closeOutResponse": {
    "hdr": {
      "messageType": "CLOSEOUT",
      "messageDateTime": "2020-10-19T14:39:31+08:00",
      "messageVersion": "1.3",
      "messageLanguage": "en"
    },
    "bd": {
      "handoverID": "89666277738",
      "handoverNote":"JVBERi0xLjUKJeLjz9MKM",
      "shipmentItems": [
        {
          "shipmentID": "HKG-BATWSAPI44-PPSLT101901",
          "responseStatus": {
            "code": "200",
            "message": "SUCCESS",
            "messageDetails": [
              {
                "messageDetail": "Shipment processed Successfully"
              }
            ]
          }
        },
        {
          "shipmentID": "HKG-BATWSAPI44-PPSRU101901",
          "responseStatus": {
            "code": "200",
            "message": "SUCCESS",
            "messageDetails": [
              {
                "messageDetail": "Shipment processed Successfully"
              }
            ]
          }
        }
      ],
      "responseStatus": {
```
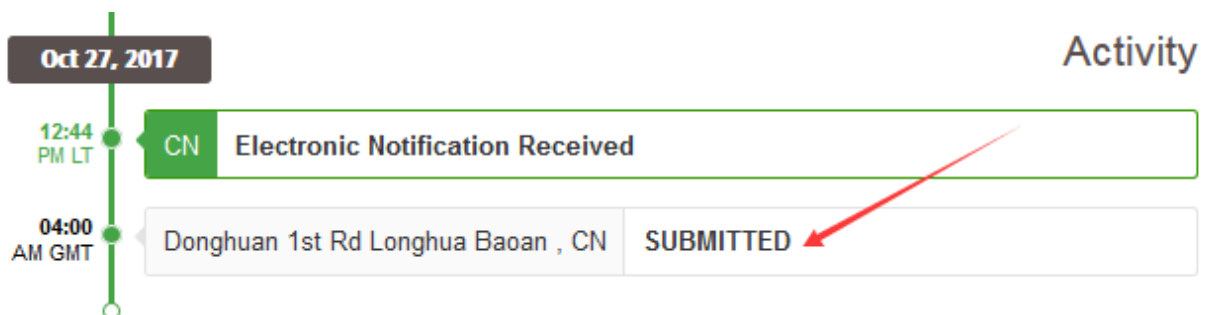
```
      "code": "200",
      "message": "SUCCESS",
      "messageDetails": [
        {
          "messageDetail": "All shipments processed successfully"
        }
      ]
    }
  }
}
```

Note：请 IT 将 Base64 字节流转化为 PDF 文档，打印托运单。

6. 自动提交功能

6.1 自动提交功能概述

a. 包裹的第一条追踪信息将在数据自动提交之后出现。

b. 提交动作有 DHL 后台自动运行，客户无需做任何动作。

c. 如客户需要更改数据自动提交时间，请联系我司对接顾问。

7. 货物保险

在 API 中为货物购买保险，将包裹的保险金额添加到 insuranceValue 字段。

```
"shipmentID": " TEST20170926001",
"deliveryConfirmationNo": null,
"packageDesc": "ShipmentDescription",
"totalWeight": 660,
"totalWeightUOM": "G",
"codValue": 0,
"contentIndicator": "00",
"totalValue": 10,
"currency": "USD",
"customerReference1": "customerReference1",
"customerReference2": "customerReference2",
"freightCharge": 0,
"height": null,
"length": null,
"width": null,
"dimensionUOM": "CM",
"incoterm": "DDU",
"insuranceValue": 0,
```

SVP 包裹索赔仅限签订 SVP 索赔合同的客户使用，且仅适用于 DHL 跨境电商专线包裹 PLT/PLE, DHL 跨境电商可追踪包裹 PPS, DHL 跨境电商德国速通可追踪包裹 PPM.更多详情请参考附件"附录 10：索赔指引 DHL eCommerce Claims Submission Guideline"

8. 附录

8.1 返回信息编码及释义

Value	Description
200	发货创建成功
201	因其他发货数据错误，导致此条发货未成功。
202	发货创建失败（请检查数据）
400	运行时发生错误
203	标签重新打印成功

8.2 服务代码

服务代码	服务名称
PKD	上海/深圳/香港 DHL 跨境电商标准包裹
PPS	上海/深圳/香港 DHL 跨境电商可追踪包裹
PKG	上海/深圳 DHL 跨境电商经济包裹
PKM	上海/深圳/香港 DHL 跨境电商欧洲标准包裹
PPM	上海/深圳/香港 DHL 跨境电商欧洲可追踪包裹
PLT	上海/深圳/香港 DHL 跨境电商专线标准包裹(欧洲专线)
PLT	上海/深圳/香港 DHL 跨境电商专线标准包裹(中加专线)
PLT	上海/深圳/香港 DHL 跨境电商专线标准包裹(中美专线)
PLT	上海/深圳/香港 DHL 跨境电商专线标准包裹(中澳专线)
PLT	上海/深圳 DHL 跨境电商专线标准包裹(中日专线)
PLT	上海/深圳/香港 DHL 跨境电商专线标准包裹(中以专线)
PLT	深圳/香港 DHL 跨境电商专线标准包裹(马来西亚专线)
PLT	深圳/香港 DHL 跨境电商专线标准包裹(新加坡专线)
PLT	上海/深圳/香港 DHL 跨境电商专线标准包裹(墨西哥专线)
PLT	上海/深圳/香港 DHL 跨境电商专线标准包裹(泰国专线)
PLE	上海/深圳/香港 DHL 跨境电商专线特快包裹(印度特快专线)
PKW	上海/深圳/香港 DHL 跨境电商半追踪专线包裹
PLD	上海/深圳 DHL 跨境电商优先包裹
PLX	上海/深圳/香港 DHL 跨境电商精选专线包裹

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8.3 语言代码

语言	语言代码
中文	en
英文	zh_CN
泰文	th_TH

如贵司对 API 对接有任何问题，请随时与我司对接顾问联系。

更多 API 对接资料请参考以下网址获取：

https://sandbox.dhlecommerce.asia/API/docs/v2/overview.html#varNav=overview&CSUM=1

9. 联系人清单

9.1 客户服务联系人清单

联系人	联系方法
Customer Service Team 客户服务团队 (香港)	Phone: + 852 2976 3111 Email: cs-ecom.hk@dhl.com
Customer Service Team 客户服务团队　(华南)	Phone: 400 888 3500 Email: cs-ecom.cn@dhl.com
Customer Service Team 客户服务团队　(华东)	Phone: 400 888 3500 Email: cs-ecom.cn@dhl.com

9.2 DHL 操作部门联系人清单

联系人	联系方法
Ivan Ip 操作部经理 (香港)	Phone: +852 2342 0721 Email: ivan.ip@dhl.com
Poko Zhu 操作部经理 (深圳)	Phone: +86 (755) 6129 8525 Email: poko.zhu@dhl.com
Rogen Xu 操作部经理 (上海)	Phone: +86 (186) 1632 3465 Email: rogen.xu@dhl.com