



# Interconnector web service documentation

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# 1. Introduction

Interconnector is a REST-based Web-Service to integrate information systems of DPD customers, which through POST requests allows using DPD services provided. Interconnector allows to use DPD services by transmitting shipment information, requesting package pickups, printing parcel labels, etc.

To follow up the changes in the documentation, please be aware, that documentation version number is formed according to the following principles: x1.x2.x3

- x1 – web service version (new endpoint)
- x2 – web service subversion (new methods, new parameters)
- x3 – documentation description or formatting changes

## 2. Overview of the web service

Interconnector web service:

- Uses POST method for all methods
- Uses UTF-8 character-encoding
- Has underlining symbol “\_” at the end of the method name
- Uses API credentials in every method. To start using API services, company must request API access data (below)

Estonia:

	Endpoint	API credentials can be retrieved by:
Test API	<a href="https://ee.integration.dpd.eo.pl/ws-mapper-rest">https://ee.integration.dpd.eo.pl/ws-mapper-rest</a>	Email: <a href="mailto:ic@dpd.ee">ic@dpd.ee</a>
Live API	<a href="https://integration.dpd.ee:8443/ws-mapper-rest">https://integration.dpd.ee:8443/ws-mapper-rest</a>	Email: <a href="mailto:sales@dpd.ee">sales@dpd.ee</a>

Latvia:

	Endpoint	API credentials can be retrieved by:
Test API	<a href="https://lv.integration.dpd.eo.pl/ws-mapper-rest">https://lv.integration.dpd.eo.pl/ws-mapper-rest</a>	Email: <a href="mailto:integracija@dpd.lv">integracija@dpd.lv</a>
Live API	<a href="https://integration.dpd.lv:8443/ws-mapper-rest">https://integration.dpd.lv:8443/ws-mapper-rest</a>	Email: <a href="mailto:sale@dpd.lv">sale@dpd.lv</a>

Lithuania:

	Endpoint	API credentials can be retrieved by:
Test API	<a href="https://lt.integration.dpd.eo.pl/ws-mapper-rest">https://lt.integration.dpd.eo.pl/ws-mapper-rest</a>	Username: testuser1 Password: testpassword1
Live API	<a href="https://integracijos.dpd.lt/ws-mapper-rest">https://integracijos.dpd.lt/ws-mapper-rest</a>	Email: <a href="mailto:sales@dpd.lt">sales@dpd.lt</a>

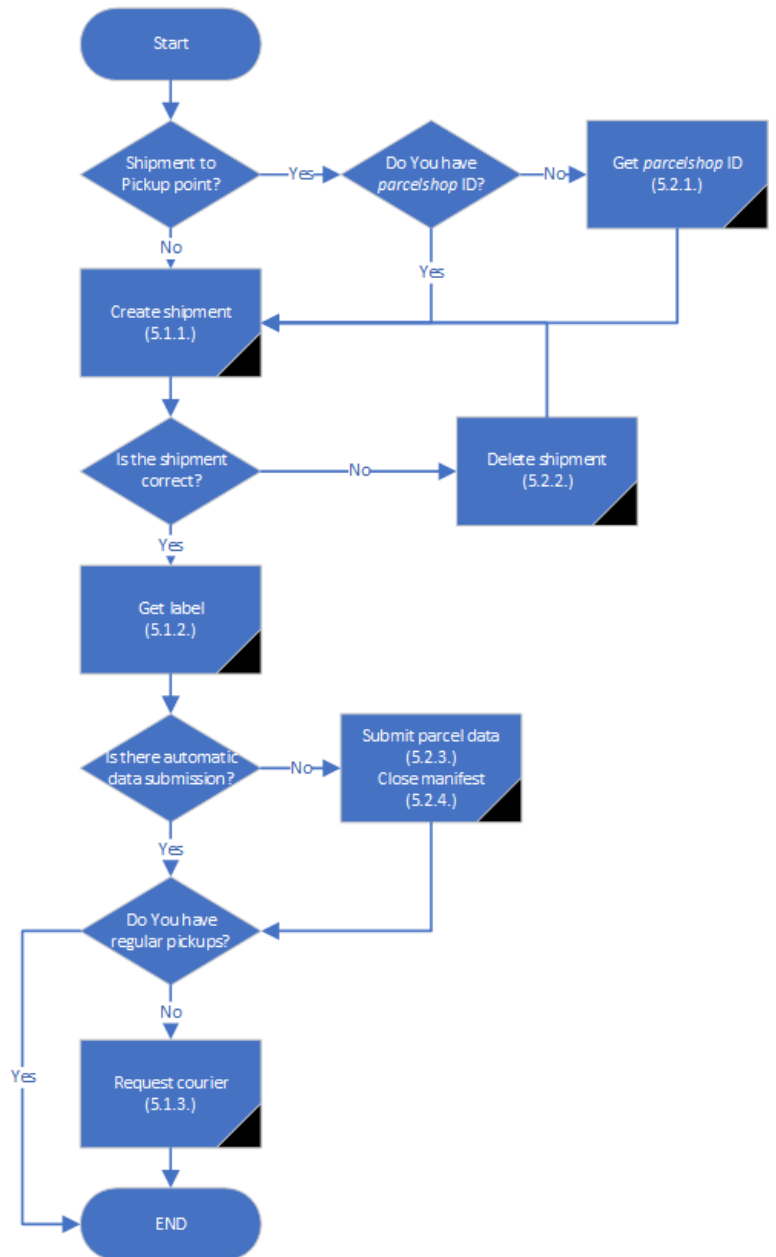
### 3. Description

Here is the default process of shipment creation and few tips how to use the methods for better efficiency:

In case of sending shipments to Pickup point, it would be preferable to load list of available Pickup points into local library based on scheduled task, instead of using this method for every shipment creation!

Parcel data submission or manifest closure is needed for data submission. This method has to be used in case if there is no automatic data submission configured by DPD (it's enabled by default). In case if it's needed, it must be used not later than 30 minutes before a courier arrives.

This process does not include Collection request process. Collection request process if fully described on chapter 5.2.5



## 4. DPD services and service restrictions

### **DPD Classic (B2B) service**

This is standard DPD door to door delivery service for business to business deliveries. This service can be enriched by any additional services. Delivery can be provided to all EU countries, Ukraine, Norway and Switzerland.

### **DPD Private (B2C) service**

B2C service is DPD door to door delivery for business to private person deliveries. This service includes informing client about delivery (predict SMS). Depending on your business specifics, you can choose additional services to make delivery as convenient as possible for you and your receiver.

LV: Evening delivery available for timeframe 18:00-22:00 in 12 cities in Latvia: Riga, Jelgava, Jēkabpils, Daugavpils, Rēzekne, Saldus, Liepāja, Talsi, Ventspils, Valmiera, Gulbene and Cēsis. For shipments to Greece, Bulgaria, Norway or Switzerland DPD Classic should be used instead of DPD Private service. For shipments to Finland or Sweden Pickup service should be used instead of DPD Private service.

### **DPD MAX service**

This is a service for pallet deliveries. There are amount and destination country limitations for this service. To get more detailed information regarding these limitations please check information on local DPD website.

LV: Delivery can be provided to Germany, Austria, Netherlands, Belgium, Luxembourg, Czech Republic, France, Spain, Portugal, Slovakia, Italy and UK. For shipments to Latvia, Lithuania, Estonia, Poland, Finland, Sweden and Denmark DPD Classic should be used instead of DPD MAX service.

### **DPD GUARANTEE service**

Guaranteed delivery in due time to the following European countries: Poland, Austria, Belgium, Czech Republic, Denmark, Luxembourg, Netherlands, Slovakia, Finland, Germany, France, United Kingdom. The service is provided only with the accompanying documents prepared in DPD, as well as information about the necessity of this service should be provided at the time of ordering. The consignment must also be marked specially.

### **DPD Pickup service**

This is delivery to a parcel locker or parcelshop. There are size and weight restrictions for this service. To get more detailed information regarding these limitations please check information on local DPD website.

### **DPD EXPRESS service**

Guaranteed delivery of items on the next working day until specific time – DPD 10:00, DPD 12:00. The service is not provided for pallets. Service availability is limited to specific locations. To get more detailed information regarding these limitations please check information on local DPD website.

Shipments must be marked with red marking tape (provided by DPD).

### **Same day delivery service**

Guaranteed delivery of item on the same day when it's provided to courier. This service has pick-up time limitations. To get more detailed information regarding these limitations please check information on local DPD website.

LV: Service is not available. In case if this service is needed, please contact Your DPD sales representative.

EE: Service is available for B2B service. In case if this service is needed for B2C, please contact Your DPD sales representative.

### **Pickup same day delivery service**

Guaranteed delivery of item to Pickup network on the same day when it's provided to courier. This service has pick-up time limitations.

LV: Service is not available

### **Cash on delivery (COD) service**

Courier collects clients indicated amount of money at the time of delivery and writes out a receipt for receiver. Collected money is transferred to clients' bank account in pre-agreed terms. In order to use this service, an enclosure of agreement about collecting money needs to be concluded.

LV: Service is provided in Latvia, Lithuania, Estonia. COD amount may not exceed 1000 EUR.

### **Saturday delivery service**

This service provides delivery on Saturday.

Shipments must be marked with green marking tape (provided by DPD).

LV: Service is provided in Latvia, Lithuania (Vilnius, Kaunas), Estonia (Tallinn, Pärnu, Tartu).

### **ID check service**

This service includes taking a photo of the ID documents agreed with the Client together with the Recipient's signature upon accepting the delivery.

LV: Service is not available.

### **Pickup Cash on delivery (COD) service**

This service allows to have Cash on delivery (COD) service on DPD Pickup (parcel locker or parcelshop):

Estonia	Latvia	Lithuania
Service is available in parcel lockers (not robots) and parcelshops.  This service is requested during shipment creation (chapter - 5.1.1) by providing <i>parcel_type</i> value "PS" and adding <i>cod_amount</i> value.	Service is not available	Service is available in parcel lockers  This service is requested during shipment creation (chapter - 5.1.1) by providing <i>parcel_type</i> value "PS-COD" and adding <i>cod_amount</i> value.

As there is no parameter that allows you to filter parcel lockers, parcel lockers (robots) and parcelshops by separate parameter, there is an option to filter those based on parcelshop ID (chapter - 5.2.1)

NOTE: Cash on delivery (COD) shipments without available (or disabled) Cash on delivery (COD) service WILL NOT BE DELIVERED!

### **Pickup return service**

This service allows to create additional label which could be used to send parcel back to sender. Return labels are created during shipment creation (chapter - 5.1.1) by adding -RETURN to already existing *parcel\_type* parameter value. (examples: D-RETURN, D-B2C-RETURN, PS-RETURN etc.) and printing the label (chapter - 0).

In case if RET-RETURN *parcel\_type* value is used, only return label is provided.

LV: Service is provided in Latvia, Lithuania, Estonia, Belgium, Czech Republic, France, Germany, Netherlands, Portugal and UK. To return the shipment, parcel must be delivered to Pickup.

### **Return of document (ROD) service**

This service returns agreed and attached document to a parcel with a receiver signature back to the Sender.

LV: Service is provided in Latvia, Lithuania, Estonia as additional service to DPD Private. In case if this service is needed for any other main service, please contact Your DPD sales representative.

### **SWAP service**

This service provides delivery to the client only in case if there's return (swap) parcel provided back for the Sender.

LV: Service is provided in Latvia.

### **Tyre service**

This service must be used if shipment content is tyres. This service can be requested during shipment creation (chapter - 5.1.1) by adding -TYRE to already existing *parcel\_type* parameter value for DPD Classic or DPD Private services (examples: D-TYRE, D-B2C-TYRE)

### **Loading service**

This service allows to create additional label and inform DPD that there will be need for loading service. Loading service labels are created during shipment creation (chapter - 5.1.1) by adding -UKD to already existing *parcel\_type* parameter value (examples: D-UKD, D-B2C-UKD, D-B2C-COD-UKD etc.) and printing the label (chapter - 0).



There are some country-based regulations/restrictions for this service:

Estonia	Latvia	Lithuania
Service is not available.	Loading service can be used only together with DPD Classic or B2C main service within LV territory. When ordering loading service through API, client has to send an e-mail to <a href="mailto:info@dpd.lv">info@dpd.lv</a> to additionally inform DPD about weight and floor to which the parcel(s) has to be delivered.	Loading service can be ordered for the 1st delivery zone (big LT cities). More information about this service is accessible here: <a href="http://www.dpd.lt">www.dpd.lt</a>

Shipments must be marked with blue marking tape (provided by DPD) and by marking label (design provided by DPD).

#### **Complete delivery service**

In case of this service all parcels of one shipment are delivered together. This means that if there is a shipment of 3 parcels, but there would be just 2 of these parcels in DPD terminal, those parcels would be stopped and would not go out for delivery until the 3<sup>rd</sup> parcel would be received.

## 5. Function description

### 5.1. Basic functions

#### 5.1.1. Shipment creation

This method creates shipment that can contain one or multiple parcels. The data that is needed for creating shipments will depend on DPD service that is requested.

Method: **createShipment\_**

Character-encoding: UTF-8

Type: POST

URL examples:

EE: [https://integration.dpd.ee:8443/ws-mapper-rest/createShipment\\_](https://integration.dpd.ee:8443/ws-mapper-rest/createShipment_)

LV: [https://integration.dpd.lv:8443/ws-mapper-rest/createShipment\\_](https://integration.dpd.lv:8443/ws-mapper-rest/createShipment_)

LT: [https://integracijos.dpd.lt/ws-mapper-rest/createShipment\\_](https://integracijos.dpd.lt/ws-mapper-rest/createShipment_)

Input data (required fields are listed in a table below).

M	Mandatory
O	Optional
D	Depends on selected service – required fields has to be checked in a table below
-	Not providable

Name	Type	Length	Req.	Description
username	string	15	M	API username.
password	string	20	M	API password.
name1	string	35	M	Recipient's name and surname or company's name.
name2	string	35	O	Company's name in case if <i>name1</i> contains person data. Displayed on label only if <i>name1</i> is shorter than 40 symbols.
street	string	35	M	Recipient's address (street + house number).

city	string	25	M	Recipient's city.
country	string	2	M	Recipient's country. ISO 3166-1 alpha-2 country codes format, e.g. LT, LV, EE.
pcode	string	9	M	Recipient's postcode. Without the country code and spaces.
phone	string	20	M	Recipient's phone number that will be displayed on label. Only one phone number on this parameter. No other information should be provided here! There has to be international country code provided. e.g. "+372555555", "+37065123456"
predict	char	1	D	Parameter that enables Predict messaging service: <ul style="list-style-type: none"> <li>y – enabled (must be used for all B2C shipments)</li> <li>n – disabled (default)</li> </ul> In case if parameter is enabled <i>phone</i> is mandatory!
idm_sms_number	string	20	D	Recipient's phone number that will be used for messaging purposes. Based on legacy reasons, needs to be the same as <i>phone</i> !
email	string	30	D	Recipient's email address Only one email address on this parameter.
parcel_type	string	30	M	DPD service code. According to chapter 4.
num_of_parcel	integer	2	M	Count of parcels within one shipment.
completeDelivery	char	1	D	Parameter that enables Complete delivery service. Values: <ul style="list-style-type: none"> <li>0 – complete delivery service disabled (default)</li> <li>1 – complete delivery service enabled</li> </ul>
weight	float	(6,3)	M	Average weight of parcels in the shipment. Decimals are separated by point. There's 20 kg limitation for shipments to Pickup points. In case if any parcel exceeds 20kg, this shipment should not be created!
shipment_id	string	50	O	The parameter is used to merge multiple shipments into one. All shipments must to have the same receiver data, <i>parcel_type</i> and <i>shipment_id</i> . Can be done only for shipments that has not submitted data (incl.manifest closure). Before using this functionality please contact DPD to verify if there is no automatical data submission configured by DPD.
order_number	string	20	O	Shipment reference that will be displayed on label and can be used for shipment identification purposes. If not provided, internal DPD number will be displayed on the label.
order_number1	string	20	O	Additional reference field that is not displayed on label, but this can be used for invoicing purpose (can be added in invoices).
order_number2	string	20	O	Additional reference field that is not displayed on label, but this can be used for invoicing purpose (can be added in invoices).

order_number3	string	20	O	Additional reference field that is not displayed on label, but this can be used for invoicing purpose (can be added in invoices).
parcel_number	string	20	O	Parcel reference that will be displayed on a label and can be used for shipment identification purposes. If not provided, internal DPD number will be displayed on the label.
remark	string	30	D	Additional delivery information for courier. This information will be displayed on the label's info section. (exception RET–RETURN and PS services) Example: Entrance from backyard.
cod_amount	float	(9,2)	D	Amount of money that has to be collected in case of Cash on delivery service. Decimals are separated by point. Amount must be provided in destination country currency.
cod_purpose	string	50	D	Cash on delivery (COD) parcel information/objective displayed on the label. This information is used by DPD for cash on delivery (COD) reports.
id_check_id	integer	1	D	Parameter that enables ID check service. Value 2 must be used to enable the service.
id_check_name	string	35	D	Name on ID document that has to be verified by courier on parcel's delivery
dnote_reference	string	49	D	Identifier of document that must be returned in case of Return of documents service. This will be displayed on label.
fetchGsPUDOpoin	char	1	D	This is a legacy parameter, that will be eliminated in the future, but until then value "1" must be used here!
parcelshop_id	string	7	D	Pickup point's ID where a shipment should be sent. This can be obtained by Pickup point search methode - 5.2.1
timeframe_from	time	5	D	Starting time for time interval when courier should deliver a shipment (on working days) – HH:mm Is not applicable for EE!
timeframe_to	time	5	D	Ending time for time interval when courier should deliver a shipment (on working days) – HH:mm Is not applicable for EE!

Input data (required fields):

DPD Classic services	DPD Classic	Classic on Saturday	Classic Cash on Delivery	Classic Cash on Delivery on Saturday	Classic swap	Swap on Saturday	Document return service	Saturday document return service	Cash on delivery document return	Saturday Cash On delivery document return	Swap and document return	Saturday swap and document return	Tyre service
parcel_type (value)	D	D-SAT	D-COD	D-SAT-COD	D-SWAP	D-SAT-SWAP	D-DOCRET	D-SAT-DOCRET	D-COD-DOCRET	D-SAT-COD-DOCRET	D-SWAP-DOCRET	D-SAT-SWAP-DOCRET	D-TYRE
username	M	M	M	M	M	M	M	M	M	M	M	M	M
password	M	M	M	M	M	M	M	M	M	M	M	M	M
name1	M	M	M	M	M	M	M	M	M	M	M	M	M
name2	O	O	O	O	O	O	O	O	O	O	O	O	O
street	M	M	M	M	M	M	M	M	M	M	M	M	M
city	M	M	M	M	M	M	M	M	M	M	M	M	M
country	M	M	M	M	M	M	M	M	M	M	M	M	M
pcode	M	M	M	M	M	M	M	M	M	M	M	M	M
phone	M	M	M	M	M	M	M	M	M	M	M	M	M
predict	-	-	-	-	-	-	-	-	-	-	-	-	-
idm_sms_number	-	-	-	-	-	-	-	-	-	-	-	-	-
email	-	-	-	-	-	-	-	-	-	-	-	-	-
parcel_type	M	M	M	M	M	M	M	M	M	M	M	M	M
num_of_parcel	M	M	M	M	M	M	M	M	M	M	M	M	M
completeDelivery	O	O	O	O	O	O	O	O	O	O	O	O	O
weight	M	M	M	M	M	M	M	M	M	M	M	M	M
shipment_id	O	O	O	O	O	O	O	O	O	O	O	O	O
order_number	O	O	O	O	O	O	O	O	O	O	O	O	O
order_number1	O	O	O	O	O	O	O	O	O	O	O	O	O
order_number2	O	O	O	O	O	O	O	O	O	O	O	O	O
order_number3	O	O	O	O	O	O	O	O	O	O	O	O	O
parcel_number	O	O	O	O	O	O	O	O	O	O	O	O	O
remark	O	O	O	O	O	O	O	O	O	O	O	O	O
cod_amount	-	-	M	M	-	-	-	-	M	M	-	-	-
cod_purpose	-	-	O	O	-	-	-	-	O	O	-	-	-
id_check_id	-	-	O	O	-	-	O	O	O	O	O	O	-
id_check_name	-	-	O	O	-	-	O	O	O	O	O	O	-
dnote_reference	-	-	-	-	-	-	M	M	M	M	M	M	-
fetchGsPUDOpint	-	-	-	-	-	-	-	-	-	-	-	-	-
parcelshop_id	-	-	-	-	-	-	-	-	-	-	-	-	-
timeframe_from	-	-	-	-	-	-	-	-	-	-	-	-	-
timeframe_to	-	-	-	-	-	-	-	-	-	-	-	-	-

B2C services	B2C	Delivery on Saturday	Cash on delivery (COD)	Delivery on Saturday + cash on delivery,	Swap service	Document return service	Delivery on Saturday + doc. Return service	Cash on delivery + doc. Return service	Delivery on Sat.+ COD + doc. Return service	Swap + document return service	Delivery on Sat. + Swap + doc. Return serv.	Tyre service
parcel_type (value)	D-B2C	D-B2C-SAT	D-B2C-COD	D-B2C-SAT-COD	D-B2C-SWAP	D-B2C-DOCRET	D-B2C-SAT-DOCRET	D-B2C-COD-DOCRET	D-B2C-SAT-COD-DOCRET	D-B2C-SWAP-DOCRET	D-B2C-SAT-SWAP-DOCRET	D-B2C-TYRE
username	M	M	M	M	M	M	M	M	M	M	M	M
password	M	M	M	M	M	M	M	M	M	M	M	M
name1	M	M	M	M	M	M	M	M	M	M	M	M
name2	O	O	O	O	O	O	O	O	O	O	O	O
street	M	M	M	M	M	M	M	M	M	M	M	M
city	M	M	M	M	M	M	M	M	M	M	M	M
country	M	M	M	M	M	M	M	M	M	M	M	M
pcode	M	M	M	M	M	M	M	M	M	M	M	M
phone	M	M	M	M	M	M	M	M	M	M	M	M
predict	M	M	M	M	M	M	M	M	M	M	M	M
idm_sms_number	M	M	M	M	M	M	M	M	M	M	M	M
email	O	O	O	O	O	O	O	O	O	O	O	O
parcel_type	M	M	M	M	M	M	M	M	M	M	M	M
num_of_parcel	M	M	M	M	M	M	M	M	M	M	M	M
completeDelivery	O	O	O	O	O	O	O	O	O	O	O	O
weight	M	M	M	M	M	M	M	M	M	M	M	M
shipment_id	O	O	O	O	O	O	O	O	O	O	O	O
order_number	O	O	O	O	O	O	O	O	O	O	O	O
order_number1	O	O	O	O	O	O	O	O	O	O	O	O
order_number2	O	O	O	O	O	O	O	O	O	O	O	O
order_number3	O	O	O	O	O	O	O	O	O	O	O	O
parcel_number	O	O	O	O	O	O	O	O	O	O	O	O
remark	O	O	O	O	O	O	O	O	O	O	O	O
cod_amount	-	-	M	M	-	-	-	M	M	-	-	-
cod_purpose	-	-	O	O	-	-	-	-	O	-	-	-
id_check_id	O	O	O	O	O	O	O	O	O	O	O	-
id_check_name	O	O	O	O	O	O	O	O	O	O	O	-
dnote_reference	-	-	-	-	-	M	M	M	M	M	M	-
fetchGsPUDOpoin	-	-	-	-	-	-	-	-	-	-	-	-
parcelshop_id	-	-	-	-	-	-	-	-	-	-	-	-
timeframe_from	O	-	O	-	O	O	-	O	-	O	-	-
timeframe_to	O	-	O	-	O	O	-	O	-	O	-	-

Service PICKUP / OTHER	DPD Pickup	DPD Pickup + COD	DPD Pickup + Same day delivery	Express 10	Express 10 + document return service	Express 12	Express 12 + document return service	Express 12 + cash on delivery	Same day service	DPD MAX pallet delivery	Return service	Loading service	DPD GUARANTEE
parcel_type (value)	PS	PS-COD	274	E10	E10-DOCRET	E12	E12-DOCRET	E12-COD	SD	DPD MAX	RET-RETURN	D-B2C-UKD	GRNT
username	M	M	M	M	M	M	M	M	M	M	M	M	M
password	M	M	M	M	M	M	M	M	M	M	M	M	M
name1	M	M	M	M	M	M	M	M	M	M	M	M	M
name2	O	O	O	O	O	O	O	O	O	O	O	O	O
street	M	M	M	M	M	M	M	M	M	M	M	M	M
city	M	M	M	M	M	M	M	M	M	M	M	M	M
country	M	M	M	M	M	M	M	M	M	M	M	M	M
pcode	M	M	M	M	M	M	M	M	M	M	M	M	M
phone	M	M	M	M	M	M	M	M	M	M	M	M	M
predict	-	-	-	-	-	-	-	-	-	-	-	M	-
idm_sms_number	M	M	M	M	M	M	M	M	M	M	M	M	M
email	O	O	O	O	O	O	O	O	O	O	O	O	O
parcel_type	M	M	M	M	M	M	M	M	M	M	M	M	M
num_of_parcel	M	M	M	M	M	M	M	M	M	M	M	M	M
completeDelivery	-	-	-	-	-	-	-	-	-	-	-	-	-
weight	M	M	M	M	M	M	M	M	M	M	M	M	M
shipment_id	O	O	O	O	O	O	O	O	O	O	O	O	O
order_number	O	O	O	O	O	O	O	O	O	O	O	O	O
order_number1	O	O	O	O	O	O	O	O	O	O	O	O	O
order_number2	O	O	O	O	O	O	O	O	O	O	O	O	O
order_number3	O	O	O	O	O	O	O	O	O	O	O	O	O
parcel_number	O	O	O	O	O	O	O	O	O	O	O	O	O
remark	-	-	-	O	O	O	O	O	O	O	O	O	O
cod_amount	-	M	-	-	-	-	-	M	-	-	-	O	-
cod_purpose	-	O	-	-	-	-	-	O	-	-	-	O	-
id_check_id	-	-	-	-	-	-	-	O	-	-	-	O	-
id_check_name	-	-	-	-	-	-	-	O	-	-	-	O	-
dnote_reference	-	-	-		M		M	-	-	-	-	-	-
fetchGsPUDOpoin	M	M	M	-	-	-	-	-	-	-	-	-	-
parcelshop_id	M	M	M	-	-	-	-	-	-	-	-	-	-
timeframe_from	-	-	-	-	-	-	-	O	-	-	-	O	-
timeframe_to	-	-	-	-	-	-	-	O	-	-	-	O	-

Data processing exceptions:

- There has to be postcode (*pcode*) 1 used when creating a shipment to Ireland
- COD shipment with COD amount (*cod\_amount*) zero (0) can be provided only in cases if parcel is merged to a previously made COD parcel.
- In case if shipment merging is needed, automatic data transmission should be disabled by DPD. Please contact DPD!
- For shipment merging functionality (*shipment\_id*) following parameters should match:
  - *parcel\_type*
  - *name*
  - *name2*
  - *street*
  - *city*
  - *country*
  - *pcode*If matching won't succeed, new shipment will be created.  
In case there are multiple shipments with same shipment\_id (matching didn't succeed earlier), system will try to match it with newest shipment first.
- When shipment merging succeeds, there are response can contain (configurable by DPD):
  - All parcel numbers included within the shipment (including parcels that were created previously)
  - Only the new parcel numbers

Output data (JSON):

Name	Type	Length	Description
status	varchar	3	Possible responses: <ul style="list-style-type: none"><li>• ok – request processed successfully <i>pl_number</i> has to be returned</li><li>• err – request has not been processed <i>errorlog</i> has to be checked</li></ul>
errorlog	string	400	Additional information why the request has not been processed.
pl_number	array		Array of parcel IDs (numerical values) in case of successful request.



## 5.1.2. Parcel label creation

This method generates a parcel label. There's a possibility to configure automatic data submission by DPD triggered by parcel printing.

Method: **parcelPrint\_**

Character-encoding: UTF-8

Type: POST

URL examples:

EE: [https://integration.dpd.ee:8443/ws-mapper-rest/parcelPrint\\_](https://integration.dpd.ee:8443/ws-mapper-rest/parcelPrint_)

LV: [https://integration.dpd.lv:8443/ws-mapper-rest/parcelPrint\\_](https://integration.dpd.lv:8443/ws-mapper-rest/parcelPrint_)

LT: [https://integracijos.dpd.lt/ws-mapper-rest/parcelPrint\\_](https://integracijos.dpd.lt/ws-mapper-rest/parcelPrint_)

Input data:

Name	Type	Length	Req.	Description
username	string	15	M	API username
password	string	20	M	API password
parcels	string	1500	M	Parcel numbers. Multiple numbers must be separated with " ". For example: 06529971354838 06529971354839
printType	string	3	O	Output format: <b>pdf, epl, zpl</b> Default value: pdf
printFormat	string	2	O	Print format: <b>A4, A5, A6</b> Default value: A6
printSequence	integer	1	O	Sequence of A6 labels on A4 page. Values: <ul style="list-style-type: none"><li>• 1 – sequence (default): LeftTop, LeftDown, RightTop, RightDown</li><li>• 2 – sequence: LeftTop, RightTop, LeftDown, RightDown</li></ul>
printPosition	string	9	O	Starting position of first A6 labels on a A4 paper with <i>printFormat</i> : A4.. Possible values: <b>LeftTop, LeftDown, RightTop, RightDown</b>

Output data (in case of error, JSON):

Name	Type	Length	Description
status	varchar	3	Response status: err – request has not been processed “errorlog” has to be checked
errorlog	string	400	Additional information, containing information about reasons why request has not been processed.

Output data (in case of success, FILE):

Requested PDF, EPL or ZPL file.  
PDF file is returned as binary content.

### 5.1.3. Parcel pickup request

This method provides information for DPD that you need a courier that should pick up your parcels. It has to be used in cases if there is no pre-agreed regular parcel' pick-up time.

Method: **pickupOrderSave\_**

Character-encoding: UTF-8

Type: POST

URL examples:

EE: [https://integration.dpd.ee:8443/ws-mapper-rest/pickupOrderSave\\_](https://integration.dpd.ee:8443/ws-mapper-rest/pickupOrderSave_)

LV: [https://integration.dpd.lv:8443/ws-mapper-rest/pickupOrderSave\\_](https://integration.dpd.lv:8443/ws-mapper-rest/pickupOrderSave_)

LT: [https://integracijos.dpd.lt/ws-mapper-rest/pickupOrderSave\\_](https://integracijos.dpd.lt/ws-mapper-rest/pickupOrderSave_)

Input data:

Name	Type	Length	Req.	Description
username	string	15	M	API username.
password	string	20	M	API password

orderNr	string	100	M	This is a legacy parameter, that will be eliminated in the future, but until then freely chosen ID that can be used for pickup identification purposes. Must be unique for every pickup per API user.
payerId	integer	7	O	Payer's client number (7 digits) Default: API client number
senderContact	string	35	M	Sender's contact name
senderName	string	35	O	Sender's company's name
senderAddress	string	35	M	Sender's address (street + house num.)
senderCity	string	25	M	Sender's city
senderCountry	string	2	M	Sender's country. ISO 3166-1 alpha-2 country codes format, e.g. LT, LV, EE.
senderPostalCode	string	9	M	Sender's postcode. Without the country code and spaces.
senderAddAddress	string	30	O	Additional information on sender's address if needed (door code, floor, etc.)
senderPhone	string	20	M	Sender's phone number Only one phone number on this parameter. No other information should be provided here! There has to be international country code provided. e.g. "+372555555", "+37065123456"
senderWorkUntil	datetime	19	M	Time until which sender is available (YYYY-MM-DD HH:mm:ss) Default value: today 17:00:00
pickupTime	datetime	19	M	Desired pickup time (YYYY-MM-DD HH:mm:ss) Time interval between pickupTime and senderWorkUntil should be minimum: <ul style="list-style-type: none"> <li>• LT: 2,5 hours</li> <li>• EE/LV: 2 hours</li> </ul> Default value: today 08:00:00
weight	float	(6,3)	M	Parcel's weight in kilograms. Decimals are separated by point. If <i>parcelsCount</i> is more than one, total shipment weight should be provided. For example: 15.2
parcelsCount	integer	Integer	M	Number of parcels.
palletsCount	integer	Integer	O	Number of pallets.
nonStandard	string	30	O	Additional information/comment for courier.

Output data (in case of error, JSON):

Name	Type	Length	Description
status	varchar	3	Response status: err – request has not been processed “errorlog” has to be checked
errorlog	string	400	Additional information, containing information about reasons why request has not been processed.

Output data (in case of success, HTML):

Contains “DONE” within BODY

Example:

```
<html>
<head>
  <meta content="HTML Tidy for Java (vers. 26 sept. 2004), see www.w3.org" name="generator"/>
  <title/>
</head>
<body>
  <p>DONE</p>
</body>
</html>
```

## 5.2. Additional functions

### 5.2.1. Pickup point search

This method provides a list of DPD Pickup points (parcel shops and pickup lockers).

Method: **parcelShopSearch\_**

Character-encoding: UTF-8

Type: POST

URL examples:

EE: [https://integration.dpd.ee:8443/ws-mapper-rest/parcelShopSearch\\_](https://integration.dpd.ee:8443/ws-mapper-rest/parcelShopSearch_)

LV: [https://integration.dpd.lv:8443/ws-mapper-rest/parcelShopSearch\\_](https://integration.dpd.lv:8443/ws-mapper-rest/parcelShopSearch_)

LT: [https://integracijos.dpd.lt/ws-mapper-rest/parcelShopSearch\\_](https://integracijos.dpd.lt/ws-mapper-rest/parcelShopSearch_)

Input data:

Name	Type	Length	Req.	Description
username	string	15	M	API username
password	string	20	M	API password
fetchGsPUDOpoin	char	1	M	Parcel shop search type. Possible values: <ul style="list-style-type: none"><li>• 1 – return all Pickup points by country, filtered first by city and/ or zip code if provided (<b>recommended option</b>)</li><li>• 0 - returns up to 25 Pickup points closest to the chosen location.</li></ul>
id	string	7	O	Parcel shop's ID
company	string	35	O	Parcel shop's company
street	string	35	O	Parcel shop's street (street + house number)
city	string	25	O	Parcel shop's city Mandatory if parameter <i>fetchGsPUDOpoin</i> is 0
country	string	2	M	Country ISO 3166-1 alpha-2 country codes format, e.g. LT, LV, EE.
pcode	string	9	O	Parcel shop's postcode. Only number allowed. Mandatory if parameter <i>fetchGsPUDOpoin</i> is 0
retrieveOpeningHours	char	1	O	In case if <i>retrieveOpeningHours</i> is 1, output data will contain additional data array of Pickup point opening hours.

Output data (JSON):

Name	Type	Length	Description
status	varchar	3	Possible responses: <ul style="list-style-type: none"><li>• ok – request processed successfully <i>parcelshops</i> array has to be checked</li><li>• err – request has not been processed <i>errorlog</i> has to be checked</li></ul>
errorlog	string	400	Additional information, containing information about reasons why request has not been processed.
parcelshops	array		Returns array of parcelshops (detailed information below).

Parcelshop array:

Name	Type	Length	Description
parcelshop_id	varchar	7	Parcel shop identificatory. Example: LT90008, LV10193, EE91017 etc. For Baltics this parameter contains: <ul style="list-style-type: none"> <li>country code – 1<sup>st</sup> and 2<sup>nd</sup> symbols (EE/LV/LT)</li> <li>type – 3<sup>rd</sup> and 4<sup>th</sup> symbols: <ul style="list-style-type: none"> <li>10 – parcelshop</li> <li>90 – parcel locker</li> <li>91 – parcel locker (robot)</li> </ul> </li> <li>id – 5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> symbols</li> </ul>
company	string	35	Parcel shop name May include parcelshop service provider name.
country	string	2	Parcel shop location country ISO 3166-1 alpha-2 country codes format, e.g. LT, LV, EE.
city	string	25	Parcel shop location city
pcode	integer	9	Parcel shop location zip code Without the country code and spaces.
street	string	35	Parcel shop location street (street + house number)
email	string	30	Parcel shop e-mail In case it is available
phone	string	20	Parcel shop phone number In case it is available
distance	integer	6	The distance in meters to the origin of the search In case if <i>fetchGsPUDOpoint</i> value is 0
longitude	float		Parcel shop location GPS longitude. Decimals are separated by point.
latitude	float		Parcel shop location GPS latitude. Decimals are separated by point.
coordinateX	-		This is a legacy parameter, that is not used for any value. There will always be <i>null</i> value.
coordinateY	-		This is a legacy parameter, that is not used for any value. There will always be <i>null</i> value.
coordinateZ	-		This is a legacy parameter, that is not used for any value. There will always be <i>null</i> value.
openingHours	array		Returns array of parcelshop opening hours (detailed information below). This block will be provided only in case if <i>retrieveOpeningHours</i> is 1.

Opening hour array:

Name	Type	Length	Description
weekday	Varchar	3	A textual representation of a day, three letters. Possible values: MON, TUE, WED, THU, FRI, SAT, SUN.
openMorning	Time	HH:MM	Opening time in the morning. 00:01 in case if available for 24h a day.
closeMorning	Time	HH:MM	Closing time for a break. Identical to <i>openAfternoon</i> in case if there is no break time.
closeAfternoon	Time	HH:MM	Closing time in the evening. 23:59 in case if available for 24h a day.
openAfternoon	Time	HH:MM	Opening time after the break. Identical to <i>closeMorning</i> in case if there is no break time

## 5.2.2. Deleting a parcel

This method deletes a specific parcel. If shipment consists of more than one parcel, whole shipment will be deleted in case if any parcel from this shipment is deleted.

Note: this function cannot be done in case if data has been transferred to DPD by closing manifest, by using `parcelDataSend_` or by automatic data transfer that is configured by DPD.

Method: **parcelDelete\_**

Type: POST

character-encoding: UTF-8

URL examples:

EE: [https://integration.dpd.ee:8443/ws-mapper-rest/parcelShopSearch\\_](https://integration.dpd.ee:8443/ws-mapper-rest/parcelShopSearch_)

LV: [https://integration.dpd.lv:8443/ws-mapper-rest/parcelShopSearch\\_](https://integration.dpd.lv:8443/ws-mapper-rest/parcelShopSearch_)

LT: [https://integracijos.dpd.lt/ws-mapper-rest/parcelShopSearch\\_](https://integracijos.dpd.lt/ws-mapper-rest/parcelShopSearch_)

Input data:

Name	Type	Length	Req.	Description
username	String	15	M	API username
password	String	20	M	API password
parcels	String	1500	M	Parcels that has to be deleted. Parcels IDs separated with " ". For example: 06529971354838 06529971354839

Output data

Name	Type	Length	Description
status	Varchar	3	Possible responses: <ul style="list-style-type: none"><li>ok – parcel(s) has been deleted</li><li>err – request has not been processed <i>errorlog has to be checked</i></li></ul>
errorlog	String	400	Additional information, containing information about reasons why request has not been processed.

### 5.2.3. Parcel data submission

This method submits shipment data to DPD. Regularity for this function can be adapted to client processes, but it should be requested at least 30 minutes before courier arrival. If needed, can be used after each parcel. It should not be used in case if manifest closure is used or if automatic data transfer is configured by DPD.

Method: **parcelDatsend\_**

Type: POST

character-encoding: UTF-8

URL examples:

EE: [https://integration.dpd.ee:8443/ws-mapper-rest/parcelDatsend\\_](https://integration.dpd.ee:8443/ws-mapper-rest/parcelDatsend_)

LV: [https://integration.dpd.lv:8443/ws-mapper-rest/parcelDatsend\\_](https://integration.dpd.lv:8443/ws-mapper-rest/parcelDatsend_)

LT: [https://integracijos.dpd.lt/ws-mapper-rest/parcelDatsend\\_](https://integracijos.dpd.lt/ws-mapper-rest/parcelDatsend_)



Input data:

Name	Type	Length	Req.	Description
username	String	15	M	API username
password	String	20	M	API password

Output data:

Name	Type	Length	Description
status	Varchar	3	Possible responses: <ul style="list-style-type: none"><li>• ok – data has been transferred</li><li>• err – request has not been processed <i>errorlog has to be checked</i></li></ul>
errorlog	String	400	Additional information, containing information about reasons why request has not been processed.
parcels	Integer	3	Number of parcels for which data has been sent in total

## 5.2.4. Manifest closure

This method submits shipment data for shipments that are created on specific date and returns document that contains information about all the parcels that has been created by the API user on this date and that were not included in any other manifest. Regularity for this function can be adapted to client processes, but it should be requested at least 30 minutes before courier arrival. If needed, can be used after each parcel. It should not be used in case if parcel data submission method is used or if automatic data transfer is configured by DPD.

Method: **parcelManifestPrint\_**

Character-encoding: UTF-8

Type: POST

URL examples:

EE: [https://integration.dpd.ee:8443/ws-mapper-rest/parcelManifestPrint\\_](https://integration.dpd.ee:8443/ws-mapper-rest/parcelManifestPrint_)

LV: [https://integration.dpd.lv:8443/ws-mapper-rest/parcelManifestPrint\\_](https://integration.dpd.lv:8443/ws-mapper-rest/parcelManifestPrint_)

LT: [https://integracijos.dpd.lt/ws-mapper-rest/parcelManifestPrint\\_](https://integracijos.dpd.lt/ws-mapper-rest/parcelManifestPrint_)

Input data:

Name	Type	Length	Req.	Description
username	String	15	M	API username
password	String	20	M	API password
date	Date	10	M	Date for which manifest has to closed (YYYY-MM-DD)
format	String	4	O	Possible values: <ul style="list-style-type: none"><li>• json</li><li>• pdf</li><li>• zpl</li><li>• epl</li></ul> Default value: json

Output data (in case of error, JSON):

Name	Type	Length	Description
status	Varchar	3	Possible responses: <ul style="list-style-type: none"><li>• err – request has not been processed <i>errorlog has to be checked</i></li></ul>
errorlog	String	400	Additional information, containing information about reasons why request has not been processed.
idList	null	4	Null

Output data (in case of success, FILE):

Returns manifest document file.  
JSON file is base64 encoded.  
PDF file is returned as binary content.

## 5.2.5. Collection request

This method allows to order a courier to address of a third party. For example - for DPD client to organize his customer a free return of goods (paid by DPD client not his customer)

Method: **crlImport\_**

Type: POST

character-encoding: UTF-8

URL examples:

EE: [https://integration.dpd.ee:8443/ws-mapper-rest/crlImport\\_](https://integration.dpd.ee:8443/ws-mapper-rest/crlImport_)

LV: [https://integration.dpd.lv:8443/ws-mapper-rest/crlImport\\_](https://integration.dpd.lv:8443/ws-mapper-rest/crlImport_)

LT: [https://integracijos.dpd.lt/ws-mapper-rest/crlpmort\\_](https://integracijos.dpd.lt/ws-mapper-rest/crlpmort_)

Input data:

Name	Type	Length	Req.	Description
username	String	15	M	API username
password	String	20	M	API password
cname	String	35	M	Name and surname of the person or company name from which the pickup should be made.
cname1	String	35	O	Contact person name and surname in case if <i>cname</i> contains company name.
cstreet	String	35	M	Pickup address (street + house number) From which pickup should be made
ccity	String	25	M	Pickup address city
ccountry	String	2	M	Pickup address country ISO 3166-1 alpha-2 country codes format, e.g. LT, LV, EE.
cpostal	Integer	8	M	Pickup address postcode. Without the country code and spaces.
cphone	String	20	O	Phone number of the person at pickup address. Only one phone number on this parameter. No other information should be provided here! There has to be international country code provided. e.g. "+372555555", "+37065123456"
cemail	String	30	O	E-mail address of the person at pickup address. Only one email address on this parameter.
info1	String	30	M	Information about parcels that could allow DPD to identify resources that are needed to pickup up the shipment. You can provide number of parcels/pallets here. Please use this expression – start with "#", add

				number of parcels/pallets, add "c1l" for parcels or "p1l" for pallets Example: #1c1l (for 1 parcel), #2p1l (2 pallets)
info2	String	30	O	Additional information, that could allow to identify pickup parcels on pickup location. Example: order number
rname	String	35	M	Recipient's name and surname or company's name.
rname2	String	35	O	Company's name in case if <i>rname</i> contains person's data.
rstreet	String	35	M	Recipient's address (street + house number)
rpostal	String	8	M	Recipient's postcode. Without the country code and spaces.
rcountry	String	2	M	Recipient's country ISO 3166-1 alpha-2 country codes format, e.g. LT, LV, EE.
rcity	String	25	M	Recipient's city
rphone	String	20	O	Recipient's phone number Only one phone number on this parameter. No other information should be provided here! There has to be international country code provided. e.g. "+372555555", "+37065123456"
remail	String	30	O	Recipient's email address Only one email address on this parameter.
parcel_count	Integer	3	O	Amount of parcels For LV: Only in cases if every parcel/pallet weight is the same. Default: 1
weight	Float	(6,3)	O	Total parcel/pallet weight in kilograms. Decimals are separated by point. In case if there are multiple parcels/pallets on this request, this amount will be divided on equal parts for every parcel/pallet.
pickup_date	Date	10	O	Desired pickup date (YYYY-MM-DD) Default - next day

Output data (in case of error, JSON):

Name	Type	Length	Description
status	Varchar	3	Possible responses: <ul style="list-style-type: none"> <li>err – request has not been processed <i>errorlog</i> has to be checked</li> </ul>
errorlog	String	400	Additional information, containing information about reasons why request has not been processed.

Output data (in case of success, HTML):

HTML body contains:

- collection request order numbers (as Reference)
- information about amount of collection requests made.
- “201 OK Process ended”

Example:

```
<html>
  <head>
    <meta content="HTML Tidy for Java (vers. 26 sept. 2004), see www.w3.org" name="generator"/>
    <title/>
  </head>
  <body>
    Reference=209401=
    <br/>
    Reference=209402=
    <br/>
    200 2. row import was successful!
    <br/>
    201 OK Process ended
  </body>
</html>
```

## 6. Response error code table

Method	Response	Description
createShipment_	Price definition not found.	Service is not allowed for the API user. Possible issues: <ul style="list-style-type: none"> <li>• Wrong parcel_type parameter (not according to agreement)</li> <li>• Agreement terms has to be changed by DPD. Please contact DPD</li> </ul>
createShipment_	Service code of shipment could not be found by combination of main product and complementary products!	Incorrect shipment data. Possible issues: <ul style="list-style-type: none"> <li>• There are no delivery options for the combination of receiver address (postal code) and service type.</li> <li>• Wrong parcel_type parameter (not provided by specific DPD business unit)</li> </ul>
createShipment_	Additional Predict sms service is mandatory or part of main service, but your request does not have a Predict sms service.	There has to be service configuration changes done by DPD. Please contact DPD.
parcelPrint_	Parcel string not correct	Parameter <i>parcels</i> isn't provided accordingly to request specification. Please check <i>parcels</i> parameter!
pickupOrderSave_	Parameter {parameter} is null	The specific parameter isn't provided accordingly to request specification. Please check if the request is created correctly!
pickupOrderSave_	PickupOrderVO - ({parameter}) can not be empty – for orderNr {parameter} is referenceNumber	The specific parameter isn't provided accordingly to request specification. Please check if the request is created correctly!
parcelDelete_	No parcel was selected	There were no parcel numbers provided that could be deleted. Please check <i>parcels</i> parameter!
parcelDelete_	Parcel string not correct	Parameter <i>parcels</i> isn't provided accordingly to request specification. Please check <i>parcels</i> parameter!
parcelDelete_	These shipment include errors: SHP_ID Shipment (shipment id : SHP_ID, shipment reference number : MPSCREF1) is already closed in a manifest (manifest id : MANIFEST_ID)" (manifest is closed - parcels cannot be deleted)	The action cannot be done as the data has for at least one of the parcels has been already submitted.
Any	Failed to Authenticate User. Check your user name and password!	Please recheck if Your API username and password are correct. In case if correct credentials are provided, but issue remains, please contact DPD.
Any	Failed to Authenticate User. Check your user name and password!	Please recheck if Your API username and password are correct. In case if correct credentials are provided, but issue remains, please contact DPD.
Any	Parameter {parameter} is mandatory!	The specific parameter isn't provided within WS request. Please check if the request is created correctly!

Any	Wrong input parameters!	Please check if the request is created correctly!
Any	Wrong {parameter} format	The specific parameter isn't provided accordingly to request specification. Please check if the request is created correctly!
Any	{parameter} is too short	The specific parameter isn't provided accordingly to request specification. Please check if the request is created correctly!
Any	Query has exceeded its time out and has been cancelled. Please increase your criteria and try again	Please inform DPD.

## 7. Tips

- As DPD does not change Pickup list very often, there's no need to load Pickup list more than once per day.
- As there is no Pickup point type field in our Pickup list, there's workaround for getting this information – it can be filtered from Pickup ID. This ID consists of:
  - country code – first two letters (EE/LV/LT)
  - type – first two digits:
    - 10 – parcelshop
    - 90 – parcel locker
    - 91 – parcel locker (robot)
  - id – rest partThis is valid only for BALTIC Pickup list.
- If You want to create a shipment to Pickup by Interconnector web service (chapter 5.1.1), Pickup list should be loaded via Interconnector web service (chapter 5.2.1).
- Please save DPD parcel ID returned by shipment creation method. It can be used not only for creating label, but for receiving parcel statuses via Parcel Status WS.
- Please log your API requests and responses. This information will be useful in case of any webservice issues. When contacting DPD integration support regarding webservice issues, this information would help us to identify the issue faster, therefore please include in the email:
  - The full request that you sent (with URL and all parameters)
  - The error message you received

## 8. Contact information

If you need to have username or password for LV or EE test environment or have any technical issues with Interconnector webservices, contact us at:

Estonia	Latvia	Lithuania
e-mail: <a href="mailto:ic@dpd.ee">ic@dpd.ee</a>	e-mail: <a href="mailto:integracija@dpd.lv">integracija@dpd.lv</a>	e-mail: <a href="mailto:helpdesk@dpd.lt">helpdesk@dpd.lt</a>