



**dpd**

# DPD Shipper Webservice ParcelLifeCycleService 2.0

Version 1.0.2 – 19.03.2021



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## Methods

Following methods are available for the ParcelLifeCycleServiceV20

Method name	Description
getTrackingData	Deliver parcel tracking data for a parcel label number. An exception is thrown, if an error has occurred.
getParcelLabelNumberForWebNumber	Provides the parcel label number for the given web number.

Action <http://dpd.com/common/service/ParcelLifeCycleService/2.0/getTrackingData>

### Method getTrackingData

#### Input

The input for method getTrackingData is as follows:

Name	Element
authentication *header parameter	types_authentication:authentication
parameters	types:getTrackingData

#### Output

The output for method getTrackingData is as follows:

Name	Element
parameters	types:getTrackingDataResponse

#### Faults

The defined faults for method getTrackingData are as follows:

Name	Element
authenticationFault	types_authentication:authenticationFault
systemFault	types:systemFault
dataFault	types:dataFault

### Examples

SOAP

Sample request:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ns="http://dpd.com/common/service/types/Authentication/2.0"
xmlns:ns1="http://dpd.com/common/service/types/ParcelLifeCycleService/2.0">
  <soapenv:Header>
    <ns:authentication>
      <delisId>KD02260142</delisId>
      <authToken>{YOUR AUTH TOKEN}</authToken>
      <messageLanguage>en_EN</messageLanguage>
    </ns:authentication>
  </soapenv:Header>
  <soapenv:Body>
    <ns1:getTrackingData>
      <parcelLabelNumber>06080085989291</parcelLabelNumber>
    </ns1:getTrackingData>
  </soapenv:Body>
</soapenv:Envelope>
```

Sample response:

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <getTrackingDataResponse
xmlns="http://dpd.com/common/service/types/ParcelLifeCycleService/2.0">
      <trackingresult>
        <shipmentInfo>
          <serviceDescription>
            <label>
              <content>Your DPD service:</content>
              <bold>>false</bold>
              <paragraph>>false</paragraph>
            </label>
            <content>
              <content>DPD CLASSIC</content>
              <bold>>false</bold>
              <paragraph>>false</paragraph>
            </content>
          </serviceDescription>
          <status>SHIPMENT</status>
          <statusHasBeenReached>>false</statusHasBeenReached>
          <isCurrentStatus>>false</isCurrentStatus>
          <showContactInfo>>false</showContactInfo>
        </shipmentInfo>
        <statusInfo>
          <status>ACCEPTED</status>
          <label>
            <content>Parcel handed to DPD</content>
            <bold>>true</bold>
            <paragraph>>false</paragraph>
          </label>
          <description>
            <content>
              <content>DPD has received your parcel.</content>
              <bold>>false</bold>
              <paragraph>>false</paragraph>
            </content>
          </description>
          <statusHasBeenReached>>true</statusHasBeenReached>
          <isCurrentStatus>>false</isCurrentStatus>
          <showContactInfo>>true</showContactInfo>
          <location>
            <content>Mechelen (BE)</content>
            <bold>>true</bold>
            <paragraph>>false</paragraph>
          </location>
          <date>
            <content>25/02/2021, 15:59</content>
            <bold>>true</bold>
            <paragraph>>false</paragraph>
          </date>
        </statusInfo>
        <statusInfo>
          <status>AT_SENDING_DEPOT</status>
          <label>
            <content>In transit</content>
            <bold>>true</bold>
            <paragraph>>false</paragraph>
          </label>
          <description>
            <content>

```

```

        <content>The parcel is at the parcel dispatch
centre.</content>
        <bold>false</bold>
        <paragraph>false</paragraph>
    </content>
</description>
<statusHasBeenReached>true</statusHasBeenReached>
<isCurrentStatus>false</isCurrentStatus>
<showContactInfo>true</showContactInfo>
<location>
    <content>Mechelen (BE)</content>
    <bold>true</bold>
    <paragraph>false</paragraph>
</location>
<date>
    <content>25/02/2021, 17:21</content>
    <bold>true</bold>
    <paragraph>false</paragraph>
</date>
</statusInfo>
<statusInfo>
    <status>ON_THE_ROAD</status>
    <label>
        <content>At parcel delivery centre</content>
        <bold>true</bold>
        <paragraph>false</paragraph>
    </label>
    <description>
        <content>
            <content>Your parcel is on its way to the parcel
delivery centre.</content>
            <bold>false</bold>
            <paragraph>false</paragraph>
        </content>
    </description>
    <statusHasBeenReached>true</statusHasBeenReached>
    <isCurrentStatus>false</isCurrentStatus>
    <showContactInfo>true</showContactInfo>
    <location>
        <content>Mechelen (BE)</content>
        <bold>true</bold>
        <paragraph>false</paragraph>
    </location>
    <date>
        <content>25/02/2021, 21:10</content>
        <bold>true</bold>
        <paragraph>false</paragraph>
    </date>
</statusInfo>
<statusInfo>
    <status>AT_DELIVERY_DEPOT</status>
    <label>
        <content>Parcel out for delivery</content>
        <bold>true</bold>
        <paragraph>false</paragraph>
    </label>
    <description>
        <content>
            <content>The parcel has left the parcel delivery
centre and is on its way to the consignee.</content>
            <bold>false</bold>
            <paragraph>false</paragraph>
        </content>
    </description>

```

```

</description>
<statusHasBeenReached>true</statusHasBeenReached>
<isCurrentStatus>false</isCurrentStatus>
<showContactInfo>true</showContactInfo>
<location>
  <content>Mechelen (BE)</content>
  <bold>true</bold>
  <paragraph>false</paragraph>
</location>
<date>
  <content>01/03/2021, 08:29</content>
  <bold>true</bold>
  <paragraph>false</paragraph>
</date>
</statusInfo>
<statusInfo>
  <status>DELIVERED</status>
  <label>
    <content>Parcel delivered</content>
    <bold>true</bold>
    <paragraph>false</paragraph>
  </label>
  <description>
    <content>
      <content>Your parcel has been delivered
successfully.</content>
      <bold>false</bold>
      <paragraph>false</paragraph>
    </content>
  </description>
  <statusHasBeenReached>true</statusHasBeenReached>
  <isCurrentStatus>true</isCurrentStatus>
  <showContactInfo>true</showContactInfo>
  <location>
    <content>Mechelen (BE)</content>
    <bold>true</bold>
    <paragraph>false</paragraph>
  </location>
  <date>
    <content>01/03/2021, 15:42</content>
    <bold>true</bold>
    <paragraph>false</paragraph>
  </date>
</statusInfo>
</trackingresult>
</getTrackingDataResponse>
</soap:Body>
</soap:Envelope>

```

## Method getParcelLabelNumberForWebNumber

### Input

The input for method getParcelLabelNumberForWebNumber is as follows:

Name	Element
authentication *header parameter	types_authentication:authentication
parameters	types:getParcelLabelNumberForWebNumber

### Output

The output for method getTrackingData is as follows:

Name	Element
parameters	types:getParcelLabelNumberForWebNumberResponse

## Faults

The defined faults for method getParcelLabelNumberForWebNumber are as follows:

Name	Element
authenticationFault	types:getTrackingDataResponse
systemFault	types:systemFault
dataFault	types: dataFault

## Examples

### SOAP Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ns="http://dpd.com/common/service/types/ParcelLifeCycleService/2.0">
  <soapenv:Header/>
  <soapenv:Body>
    <ns:getParcelLabelNumberForWebNumber>
      <delisId>{DELIS ID}</delisId>
      <webNumber>{PARCEL WEB NUMBER}</webNumber>
      <messageLanguage>en_EN</messageLanguage>
    </ns:getParcelLabelNumberForWebNumber>
  </soapenv:Body>
</soapenv:Envelope>
```

Soap response:

TBD

## Complex Types

### Namespace: types

URL: <http://dpd.com/common/service/types/ParcelLifeCycleService/2.0>

### Complex Type: ContentItem

Namespace: types

#### Description

Contains multiple content lines.

Field name	Data type / Occurrence / Range /	Description
label	types:ContentLine / 0 .. 1	Identifier for content item.
content	types:ContentLine / 1 .. *	Content of content item.
linkTarget	xsd:string / 0 .. 1	If this field is filled, a link will be created from the content item.

### Complex Type: ContentLine

Namespace: types

#### Description

Contains one text line and information about how the text has to be displayed



<i>Field name</i>	<i>Data type / Occurrence / Range /</i>	<i>Description</i>
content	xsd:string / 1 .. 1	Identifier for content item.
bold	xsd:boolean / 1 .. 1	Content of content item.
paragraph	xsd:boolean / 1 .. 1	If this field is filled, a link will be created from the content item.

## Complex Type: DataFault

Namespace: types

### Description

<i>Field name</i>	<i>Data type / Occurrence / Range /</i>	<i>Description</i>
errorCode	xsd:string / 1 .. 1 / minLength: 1 maxLength: 4	Error code.
errorMessage	xsd:string / 1 .. 1 / minLength: 1 maxLength: 255	Error message text.

## Complex Type: Fault

Namespace: types

### Description

The data structure for error data.

<i>Field name</i>	<i>Data type / Occurrence / Range /</i>	<i>Description</i>
errorCode	xsd:string / 1 .. 1 / minLength: 1 maxLength: 4	Error code.
errorMessage	xsd:string / 1 .. 1 / minLength: 1 maxLength: 255	Error message text.

## Complex type: ShipmentInfo

Namespace: types

### Description

Contains general shipment information (e.g. service code)

<i>Field name</i>	<i>Data type / Occurrence / Range /</i>	<i>Description</i>
receiver	types:ContentItem / 0 .. 1 /	Receiver of parcel.
predictInformation	types:ContentItem / 0 .. 1 /	Information about estimated delivery time of parcel (DPD Predict).
serviceDescription	types:ContentItem / 0 .. 1 /	Name of DPD product of the parcel (e.g. DPD Classic).
additionalServiceElements	types:ContentItem / 0 .. 1 /	Additional services for DPD product.
trackingProperty	types:TrackingProperty / 0 .. * /	Properties.
status	xsd:string / 1 .. 1 / SHIPMENT ACCEPTED AT_SENDING_DEPOT ON_THE_ROAD AT_DELIVERY_DEPOT DELIVERED	<p>Status explanations:</p> <ul style="list-style-type: none"> <li>• <b>ACCEPTED:</b> The parcel has entered the DPD network</li> <li>• <b>AT_SENDING_DEPOT</b> (in transit): The parcel is at the parcel dispatch centre</li> <li>• <b>ON_THE_ROAD:</b> Parcel is on its way to the parcel delivery centre</li> <li>• <b>AT_DELIVERY_DEPOT:</b> The parcel has left the parcel delivery center and is on its way to the consignee.</li> <li>• <b>DELIVERED:</b> The parcel has been successfully delivered.</li> </ul> <p>These statuses may contain more detailed explanations:</p> <ul style="list-style-type: none"> <li>• <b>PickedUp</b> – Accepted (and picked-up) by DPD</li> <li>• <b>Depot</b> – At delivery depot</li> <li>• <b>BetweenDepots</b> – On a transport between DPD Hubs/Depots</li> <li>• <b>Courier</b> – Out for delivery</li> <li>• <b>ReturningFromDelivery</b> – Returned to delivery depot</li> <li>• <b>DeliveryFailure</b> – Unable to deliver the parcel</li> <li>• <b>Customs</b> – At cross border checking (for non-EU shipments)</li> <li>• <b>Warehouse</b> – Held at warehouse for consolidation/rerouting</li> <li>• <b>ParcelShop</b> – At a pickup point</li> </ul>

		<ul style="list-style-type: none"> <li>• <b>Consolidation</b> – Parcel consolidated for new delivery</li> <li>• <b>Delivered</b> – Parcel received by recipient.</li> </ul>
label	types:ContentLine / 1 .. 1 /	Name of status.
description	types:ContentItem / 1 .. 1 /	Description of status.
statusHasBeenReached	xsd:boolean / 1 .. 1 /	Indicates if status has been reached.
isCurrentStatus	xsd:boolean / 1 .. 1 /	Indicates if status is current status.
showContactInfo	xsd:boolean / 1 .. 1 /	Defines if contact information shall be displayed on detail page of the status.
location	types:ContentLine / 0 .. 1 /	Contains the location of the last scan.
date	types:ContentLine / 0 .. 1 /	Contains date and time of the last scan.
normalItems	types:ContentItem / 0 .. * /	A list of content items which describe events classified as NORMAL.
importantItems	types:ContentItem / 0 .. * /	A list of content items which describe events classified as IMPORTANT.
errorItems	types:ContentItem / 0 .. * /	A list of content items which describe events classified as ERROR.

## Complex type: StatusInfo

### Description

Contains all information and scan data for a status.

<i>Field name</i>	<i>Data type / Occurrence / Range /</i>	<i>Description</i>
status	xsd:string / 1 .. 1 / SHIPMENT ACCEPTED AT_SENDING_DEPOT ON_THE_ROAD AT_DELIVERY_DEPOT DELIVERED	Status explanations: <ul style="list-style-type: none"> <li>• <b>ACCEPTED</b>: The parcel has entered the DPD network</li> <li>• <b>AT_SENDING_DEPOT</b> (in transit): The parcel is at the parcel dispatch centre</li> <li>• <b>ON_THE_ROAD</b>: Parcel is on its way to the parcel delivery centre</li> <li>• <b>AT_DELIVERY_DEPOT</b>: The parcel has left the parcel delivery</li> </ul>

		<p>center and is on its way to the consignee.</p> <ul style="list-style-type: none"> <li>• <b>DELIVERED:</b> The parcel has been successfully delivered.</li> </ul> <p>These statuses may contain more detailed explanations:</p> <ul style="list-style-type: none"> <li>• <b>PickedUp</b> – Accepted (and picked-up) by DPD</li> <li>• <b>Depot</b> – At delivery depot</li> <li>• <b>BetweenDepots</b> – On a transport between DPD Hubs/Depots</li> <li>• <b>Courier</b> – Out for delivery</li> <li>• <b>ReturningFromDelivery</b> – Returned to delivery depot</li> <li>• <b>DeliveryFailure</b> – Unable to deliver the parcel</li> <li>• <b>Customs</b> – At cross border checking (for non-EU shipments)</li> <li>• <b>Warehouse</b> – Held at warehouse for consolidation/rerouting</li> <li>• <b>ParcelShop</b> – At a pickup point</li> <li>• <b>Consolidation</b> – Parcel consolidated for new delivery</li> <li>• <b>Delivered</b> – Parcel received by recipient.</li> </ul>
label	types:ContentLine / 1 .. 1	Name of status.
description	types:ContentItem / 1 .. 1 /	Description of status.
statusHasBeenReached	xsd:boolean / 1 .. 1	Indicates if status has been reached.
isCurrentStatus	xsd:boolean / 1 .. 1	Indicates if status is current status.
showContactInfos	xsd:boolean / 1 .. 1	Defines if contact information shall be displayed on detail page of the status.
location	types:ContentLine / 0 .. 1	Contains the location of the last scan.
date	types:ContentLine / 0 .. 1	Name of status.
normalItems	types:ContentItem / 0 .. * /	A list of content items which describe events classified as NORMAL.
importantItems	types:ContentItem / 0 .. * /	A list of content items which describe events classified as IMPORTANT.
errorItems	types:ContentItem / 0 .. * /	A list of content items which describe events classified as ERROR.

## Complex Type: TrackingProperty

Namespace: types

<i>Field name</i>	<i>Data type / Occurrence / Range /</i>	<i>Description</i>
key	xsd:string / 1 .. 1 /	Property key. Possible keys: - showFollowMyParcelLink (value: true)
value	xsd:string / 1 .. 1 /	Property value

## Complex type: TrackingResult

Namespace: types

Result type for tracking data.

<i>Field name</i>	<i>Data type / Occurrence / Range /</i>	<i>Description</i>
shipmentInfo	types:ShipmentInfo / 0 .. 1	Information about the shipment
statusInfo	types:StatusInfo / 0 .. *	Status information.
contactInfo	types:ContentItem / 0 .. 3 /	Contact information.

## Complex Type: getTrackingData

Namespace: types

<i>Field name</i>	<i>Data type / Occurrence / Range /</i>	<i>Description</i>
parcelLabelNumber	xsd:string / 1 .. 1 / length: 14	Parcel label number.

## Complex Type: getTrackingDataResponse

Namespace: types

### Description

Response object of method getTrackingData.

<i>Field name</i>	<i>Data type / Occurrence / Range /</i>	<i>Description</i>
trackingresult	types:TrackingResult / 1 .. 1	Result object with tracking data.

## Complex Type: getParcelLabelNumberForWebNumber

Namespace: types

### Description

Request object of method getParcelLabelNumberForWebNumber.

<i>Field name</i>	<i>Data type / Occurrence / Range /</i>	<i>Description</i>
webNumber	xsd:string / 1 .. 1 / minLength: 1 maxLength: 9	The web information number.

## Complex Type: getParcelLabelNumberForWebNumberResponse

Namespace: types

### Description

Response object of method getParcelLabelNumberForWebNumber.

<i>Field name</i>	<i>Data type / Occurrence / Range /</i>	<i>Description</i>
parcelLabelNumber	xsd:string / 0 .. 1 /	The parcel label number.

## Namespace: types\_authentication

URL: <http://dpd.com/common/service/types/Authentication/2.0>

### Anonymous Complex Type of Element: authentication

Namespace: types\_authentication

#### Description

The data structure for authentication data.

<i>Field name</i>	<i>Data type / Occurrence / Range /</i>	<i>Description</i>
delisId	xsd:string / 1 .. 1 / minLength: 6 maxLength: 10	The delis user id for authentication.
authToken	xsd:string / 1 .. 1 / minLength: 0 maxLength: 64	The token for authentication. Field authToken of Login, as a result of Method "getAuth" of LoginService.
messageLanguage	xsd:string / 1 .. 1 / minLength: 5 maxLength: 5	The language (Java format) for messages. "fr_FR" for french messages. "en_EN" for english messages. "de_DE " for german messages. This can be set to the default value of <b>en_EN</b>

### Anonymous Complex Type of Element: authenticationFault

Namespace: types\_authentication

#### Description

The data structure for authentication errors.

<i>Field name</i>	<i>Data type / Occurrence / Range /</i>	<i>Description</i>
errorCode	xsd:string / 1 .. 1 /	The error code.
errorMessage	xsd:string / 1 .. 1 / minLength: 1 maxLength: 255	The error message text.

## Elements

### Namespace: types

URL: <http://dpd.com/common/service/types/ParcelLifeCycleService/2.0>

### Element: getTrackingData

Namespace: types

<i>Field name</i>	<i>Data type / Occurrence / Range /</i>	<i>Description</i>
getTrackingData	types:getTrackingData / 1 .. 1 /	Input parameter of getTrackingData..

### Element: getTrackingDataResponse

Namespace: types

<b>Field name</b>	<b>Data type / Occurrence / Range /</b>	<b>Description</b>
getTrackingDataResponse	types:getTrackingDataResponse / 1 .. 1 /	Output parameter of getTrackingData.

**Namespace: types\_authentication**

URL: <http://dpd.com/common/service/types/Authentication/2.0>

**Element: authentication**

Namespace: types\_authentication

Anonymous Complex Type ⓘ types\_authentication:authentication

**Element: authenticationFault**

Namespace: types\_authentication

Anonymous Complex Type ⓘ types\_authentication:authenticationFault

**Entry Points****SOAP****Stage**

The Stage LoginService can be reached under:

<https://shipperadmintest.dpd.be/PublicApi/soap/wsd/ParcelLifeCycleServiceV20.wsd>

[https://shipperadmintest.dpd.be/PublicApi/soap/services/ParcelLifeCycleService/V2\\_0](https://shipperadmintest.dpd.be/PublicApi/soap/services/ParcelLifeCycleService/V2_0)

**Live**

The Live LoginService can be reached under:

<https://wshipper.dpd.be/soap/wsd/ParcelLifeCycleServiceV20.wsd>

[https://wshipper.dpd.be/soap/services/ParcelLifeCycleService/V2\\_0](https://wshipper.dpd.be/soap/services/ParcelLifeCycleService/V2_0)



## Support

### Further information and code examples

Further information and code examples can be found on website  
<https://www.dpd.com/be/en/support>

### Technical Support

Technical support is available via

Phone: +3215406086

E-mail: [it.cs@dpd.be](mailto:it.cs@dpd.be)

#### [Support hours](#)

Monday until Friday from 9 a.m. – 12 p.m. and 1:30 p.m. – 5:30 p.m.

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