ParcelLifeCycleService-Public_2_0
Web Service Reference

Version 2.0.0

26.01.2017

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History

Version 2.0.0

- Changed parameter parcellabelnumber to parcelLabelNumber for method getTrackingData
- New method getParcelLabelNumberForWebNumber added

Methods

Following methods are available for the service ParcelLifeCycleService-Public_2_0

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

Method: getParcelLabelNumberForWebNumber

Description

Provides the parcel label number for the given web number.

Sample request:

SOAP:

```
<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>delis123</delisId>
      <webNumber>IO1234567</webNumber>
      <messageLanguage>en_EN</messageLanguage>
    </ns:getParcelLabelNumberForWebNumber>
  </soapenv:Body>
</soapenv:Envelope>
```

REST:

URL: <server:port><path>/ParcelLifeCycleService/V2_0/getParcelLabelNumberForWebNumber
JSON data for POST request (for GET request data has to be sent with parameter "request" and for
JSONP with parameter "jsonpcallback" to obtain a padding function name):

```
{ "authentication" : {
    "delisId" : "<your delisId>",
    "authToken" : "<your authToken>",
    "messageLanguage" : "en_EN"
  },
  "getParcelLabelNumberForWebNumber" : {
    "webNumber" : "IO1234567"
  }
}
```

REST result without error:

```
{
  "getParcelLabelNumberForWebNumberResponse": {"parcelLabelNumber": "01234567890123"},
  "status":  {
    "type": "OK",
    "code": "200",
```

```
    "message": "valid"
  }
}
```

REST result if an error occurred:

```
{"status": {
  "type": "SystemFault",
  "code": "<Error code, e.g. 100>",
  "message": "<Error message>"
}}
```

Additional REST state on system error:

Error-Code: 100
Error-Type: SystemFault
Error-Message: <Message describing the error>

Action

http://dpd.com/common/service/ParcelLifeCycleService/2.0/getParcelLabelNumberForWebNumber

Input

The input for method getParcelLabelNumberForWebNumber is as follows:

Name	Element
authentication *	types_authentication:authentication
parameters	types:getParcelLabelNumberForWebNumber

* header parameter

Output

The output for method getParcelLabelNumberForWebNumber is as follows:

Name	Element
parameters	types:getParcelLabelNumberForWebNumberResponse

Faults

The defined faults for method getParcelLabelNumberForWebNumber are as follows:

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

Method: getTrackingData

Description

Deliver parcel tracking data for a parcel label number.
An exception is thrown, if an error has occured.

Sample request:

SOAP:

```
<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>your delisId</delisId>
      <authToken>your authToken</authToken>
      <messageLanguage>en_EN</messageLanguage>
    </ns:authentication>
  </soapenv:Header>
  <soapenv:Body>
    <ns1:getTrackingData>
      <parcelLabelNumber>01405400945058</parcelLabelNumber>
    </ns1:getTrackingData>
  </soapenv:Body>
</soapenv:Envelope>
```

REST:

URL: <server:port><path>/ParcelLifeCycleService/V2_0/getTrackingData
JSON data for POST request (for GET request data has to be sent with parameter "request" and for
JSONP with parameter "jsonpcallback" to obtain a padding function name):

```
{ "authentication" : {
    "delisId" : "<your delisId>",
    "authToken" : "<your authToken>",
    "messageLanguage" : "en_EN"
  },
  "getTrackingData" : {
    "parcelLabelNumber" : "01405400945058"
  }
}
```

REST result without error:

```json
{
  "getTrackingDataResponse": {"trackingresult":    {
    "shipmentInfo":      {
      "receiver": null,
      "predictInformation": null,
      "serviceDescription":        {
        "label":          {
          "content": "Your DPD service: ",
          "bold": false,
          "paragraph": false
        },
        "content": [          {
          "content": "DPD CLASSIC",
          "bold": false,
          "paragraph": false
        }],
        "linkTarget": ""
      },
      "additionalServiceElements": null,
      "status": "SHIPMENT",
      "label":        {
        "content": "Shipment information",
        "bold": true,
        "paragraph": false
      },
      "description":        {
        "label": null,
        "content": [          {
          "content": "Details of your shipment",
          "bold": false,
          "paragraph": false
        }],
        "linkTarget": ""
      },
      "statusHasBeenReached": false,
      "isCurrentStatus": false,
      "showContactInfo": false,
      "location": null,
      "date": null,
      "normalItems": null,
      "importantItems": null,
      "errorItems": null
    },
    "statusInfo":      [
```

```
    {
"status": "ACCEPTED",
"label":              {
  "content": "Parcel handed to DPD",
  "bold": true,
  "paragraph": false
},
"description":            {
  "label": null,
  "content": [            {
    "content": "DPD has received your parcel.",
    "bold": false,
    "paragraph": false
  }],
  "linkTarget": ""
},
"statusHasBeenReached": true,
"isCurrentStatus": false,
"showContactInfo": false,
"location": null,
"date": null,
"normalItems": null,
"importantItems": null,
"errorItems": null
},
    {
"status": "AT_SENDING_DEPOT",
"label":           {
  "content": "At dispatch depot",
  "bold": true,
  "paragraph": false
},
"description":            {
  "label": null,
  "content": [            {
    "content": "The parcel is at the dispatch depot.",
    "bold": false,
    "paragraph": false
  }],
  "linkTarget": ""
},
"statusHasBeenReached": true,
"isCurrentStatus": false,
"showContactInfo": false,
"location":              {
  "content": "Duisburg (DE)",
```

```
          "bold": true,
          "paragraph": false
        },
        "date":              {
          "content": "16/08/2012, 17:00 ",
          "bold": true,
          "paragraph": false
        },
        "normalItems": null,
        "importantItems": null,
        "errorItems": null
      },
              {
        "status": "ON_THE_ROAD",
        "label":            {
          "content": "In transit",
          "bold": true,
          "paragraph": false
        },
        "description":            {
          "label": null,
          "content": [            {
            "content": "Your parcel is on its way to the recipient depot.",
            "bold": false,
            "paragraph": false
          }],
          "linkTarget": ""
        },
        "statusHasBeenReached": true,
        "isCurrentStatus": false,
        "showContactInfo": false,
        "location": null,
        "date": null,
        "normalItems": null,
        "importantItems": null,
        "errorItems": null
      },
              {
        "status": "AT_DELIVERY_DEPOT",
        "label":            {
          "content": "At recipient depot",
          "bold": true,
          "paragraph": false
        },
        "description":            {
          "label": null,
```

```
            "content": [              {
              "content": "The parcel is at the recipient depot.",
              "bold": false,
              "paragraph": false
            }],
            "linkTarget": ""
          },
          "statusHasBeenReached": true,
          "isCurrentStatus": true,
          "showContactInfo": false,
          "location":             {
            "content": "Gudensberg (DE)",
            "bold": true,
            "paragraph": false
          },
          "date":           {
            "content": "17/08/2012, 07:08 ",
            "bold": true,
            "paragraph": false
          },
          "normalItems": null,
          "importantItems": null,
          "errorItems": null
        },
            {
          "status": "DELIVERED",
          "label":           {
            "content": "Parcel delivered",
            "bold": true,
            "paragraph": false
          },
          "description":             {
            "label": null,
            "content": [             {
              "content": "Your parcel has been delivered successfully.",
              "bold": false,
              "paragraph": false
            }],
            "linkTarget": ""
          },
          "statusHasBeenReached": false,
          "isCurrentStatus": false,
          "showContactInfo": false,
          "location": null,
          "date": null,
          "normalItems": null,
```

```
            "importantItems": null,
            "errorItems": null
        }
      ],
      "contactInfo": null
    }},
    "status":    {
      "type": "OK",
      "code": "200",
      "message": "valid"
    }
}
```

REST result if an error occurred:

```
{"status": {
   "type": "SystemFault",
   "code": "<Error code, e.g. 100>",
   "message": "<Error message>"
}}
```

Additional REST state on system error:

Error-Code: 100
Error-Type: SystemFault
Error-Message: <Message describing the error>

Action

http://dpd.com/common/service/ParcelLifeCycleService/2.0/getTrackingData

Input

The input for method getTrackingData is as follows:

Name	Element
authentication *	types_authentication:authentication
parameters	types:getTrackingData

* header parameter

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

Complex Types

Namespace: types

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

Namespace: types
Complex Type: ContentItem

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.

Namespace: types
Complex Type: ContentLine

Description

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

Field name	Data type / Occurrence / Range	Description
content	xsd:string / 1 .. 1 /	Text element
bold	xsd:boolean / 1 .. 1 /	Indicates if text has to be printed bold.
paragraph	xsd:boolean / 1 .. 1 /	Indicates if there has to be a line break after text element.

Namespace: types
Complex Type: DataFault

Description

Is thrown if a data fault occurs.

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

Field name	Data type / Occurrence / Range	Description
	maxLength: 255	

Namespace: types
Complex Type: Fault

Description

The data structure for error data.

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

Namespace: types
Complex Type: ShipmentInfo

Description

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

Field name	Data type / Occurrence / Range	Description
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).
additionalService Elements	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	Status
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.

Namespace: types

Complex Type: StatusInfo

Description

Contains all information and scan data for a status.

Field name	*Data type / Occurrence / Range*	*Description*
status	xsd:string / 1 .. 1 / SHIPMENT ACCEPTED AT_SENDING_DEPOT ON_THE_ROAD AT_DELIVERY_DEPOT DELIVERED	Status

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.

Namespace: types
Complex Type: SystemFault

Description

Is thrown if an internal system fault occurs.

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

Namespace: types
Complex Type: TrackingProperty

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

Namespace: types
Complex Type: TrackingResult

Description

Result type for tracking data.

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

Namespace: types
Complex Type: getParcelLabelNumberForWebNumber

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

Namespace: types
Complex Type: getParcelLabelNumberForWebNumberResponse

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

Namespace: types
Complex Type: getTrackingData

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

Namespace: types
Complex Type: getTrackingDataResponse

Description

Response object of method getTrackingData.

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

Namespace: types_authentication

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

Namespace: types_authentication
Anonymous Complex Type of Element: authentication

Description

The data structure for authentication data.

Field name	Data type / Occurrence / Range	Description
delisId	xsd:string / 1 .. 1 / minLength: 8 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. "de_DE" for german messages. "en_US" for english messages.

Namespace: types_authentication
Anonymous Complex Type of Element: authenticationFault

Description

The data structure for authentication errors.

Field name	Data type / Occurrence / Range	Description
errorCode	xsd:string / 1 .. 1 /	The error code. Valid codes: NoAccessAuthenticationFault=-1 NoRightsAuthenticationFault=-2
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

Namespace: types
Element: dataFault

Field name	Data type / Occurrence / Range	Description
dataFault	types:DataFault / 1 .. 1 /	Thrown if a data fault occurs.

Namespace: types
Element: getParcelLabelNumberForWebNumber

Field name	Data type / Occurrence / Range	Description
getParcelLabelNumber ForWebNumber	types:getParcelLabel NumberForWebNumber / 1 .. 1 /	Input parameter of getParcelLabelNumberForWebNumber.

Namespace: types
Element: getParcelLabelNumberForWebNumberResponse

Field name	Data type / Occurrence / Range	Description
getParcelLabelNumber ForWebNumber Response	types:getParcelLabel NumberForWebNumber Response / 1 .. 1 /	Output parameter of getParcelLabelNumberForWebNumber.

Namespace: types
Element: getTrackingData

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

Namespace: types
Element: getTrackingDataResponse

Field name	Data type / Occurrence / Range	Description
getTrackingData Response	types:getTrackingData Response / 1 .. 1 /	Output parameter of getTrackingData.

Namespace: types
Element: systemFault

Field name	Data type / Occurrence / Range	Description
systemFault	types:SystemFault / 1 .. 1 /	Thrown if an internal system fault occurs.

Namespace: types_authentication

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

Namespace: types_authentication
Element: authentication

Anonymous Complex Type *types_authentication:authentication*

Namespace: types_authentication
Element: authenticationFault

Anonymous Complex Type *types_authentication:authenticationFault*