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# ***HP Shipping Service API***

***Technical documentation***

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## 1. Changelog

Change No.	Since	Description
1	11.11.2022.	Initial version
2	12.12.2023.	Add „fetch“ methods New examples
3	19.02.2024.	„PRIPAK“ and „SPAK“ statuses were added
4	28.03.2024.	Added services: 39 and 40 Added additional services: 11, 29, 31, 38, 45, 46 Ping method Added fields: comment, collect_by_date, collect_by_time1, collect_by_time2
5	03.06.2024.	Added „payerCECODE“ parameter for third party payment client (BOX users usualy)
6	17.07.2024.	Described parcel dimensions in cm, payed_by: 3 option removed from API
7	12.08.2024.	PAK status described
8	18.09.2024.	Recipient mobile phone validation explained

## 2. Getting started

This DXWebAPI service enables contract users of Hrvatska pošta d.d. to:

- create shipment orders
- cancel shipment orders
- get shipment status
- get shipping labels
- get parcel delivery point

Before using this DXWebAPI service you must be contract user of Hrvatska pošta d.d..  
If you don't have the required login credentials please contact Hrvatska pošta d.d..

For development purposes, on test environment, following credentials could be used, which are related with 111111 CECODE (customer ID):

**Username:** testweb

**Password:** testweb

DXWebAPI service communication is designed for using via **HTTPS**.

DXWebAPI service supports approach: **REST** (format **JSON**).

Used HTTP response codes: <https://developer.mozilla.org/en-US/docs/Web/HTTP/Status/>

### 3. API URL-s

OKRUŽENJE	URL
<b>TEST - DX_Security_WebAPI</b>	<a href="https://dxwebapit.posta.hr:9000/api/authentication/client_auth">https://dxwebapit.posta.hr:9000/api/authentication/client_auth</a>
<b>PRODUCTION - DX_Security_WebAPI</b>	<a href="https://dxwebapi.posta.hr:9000/api/authentication/client_auth">https://dxwebapi.posta.hr:9000/api/authentication/client_auth</a>
<b>TEST – DXWebAPI</b>	<a href="https://dxwebapit.posta.hr:9020/api/{format}/{methodName}">https://dxwebapit.posta.hr:9020/api/{format}/{methodName}</a>
<b>PRODUCTION – DXWebAPI</b>	<a href="https://dxwebapi.posta.hr:9020/api/{format}/{methodName}">https://dxwebapi.posta.hr:9020/api/{format}/{methodName}</a>

## 4. Ping API availability

### Definition

This method test API availability.

Method	URL example - TEST
GET	<a href="https://dxwebapit.posta.hr:9020/api/ping">https://dxwebapit.posta.hr:9020/api/ping</a>

### Response example

```
DxWeb API is alive 25.03.2024 14: 30: 27
```

## 5. Authorization – DX\_Security\_WebAPI

To access the DXWebAPI service, it is necessary to make an authorization process by calling service:

- **DX\_Security\_WebAPI**

DX\_Security\_WebAPI gives a **bearer token** as a response which must then **be inserted into the header of the DXWebAPI service call.**

Bearer token duration is 4 hours.

For calling DX\_Security\_WebAPI service you will need:

- username
- password

provided by Hrvatska pošta d.d..

Method	URL example - TEST
POST	https://dxwebapit.posta.hr:9000/api/authentication/client_auth

Request example:

```
{  
  "username": "string",  
  "password": "string"  
}
```

Response example:

```
{  
  "accessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJDRUNPREUiOiI2NzU5ODQiLCJyYmYiOiJlE2NjkyOTU1ODgsImV4cCI6MTY2OTMwOTk4OiwiaWF0IjoxNjY5Mjk1NTg4fQ.Gq0jwJNDfMH0KOSXpkYGBemPnILtksVYXtTx40VwcLw",  
  "expiresIn": "14400"  
}
```

Response parameters

Parameter	Type	Description
<b>accessToken</b>	String	Bearer token
<b>expiresIn</b>	Integer	Bearer token duration in <b>seconds</b>



## 6. Shipment methods

### 6.1 CreateShipmentOrders

#### Definition

This method is used for creating shipment orders.

Method	URL example - TEST
POST	https://dxwebapit.posta.hr:9020/api/shipment/create_shipment_orders

#### Request parameters

Parameter	Type	Description	REQUIRED
<b>parcels</b>	List< <a href="#">ShipmentOrderData</a> >	A list of shipment orders to create	YES
<b>return_address_label</b>	Bool	Flag for shipping labels in a response for created shipment orders in PDF format <u>Possible values:</u> <b>false</b> – NO <b>true</b> – YES	

#### Class ShipmentOrderData

Parameter	Type	Description	REQUIRED
<b>client_reference_number</b>	String(100)	Unique client ID of shipment order	YES
<b>service</b>	Integer	Type of service <u>Possible values:</u> <b>24</b> – Pallet shipment <b>26</b> – Package 24 D+1 <b>29</b> – Package 24 D+2 <b>32</b> – Package 24 D+3 <b>38</b> – Package 24 D+4 <b>39</b> – EasyReturn D+3 (1st option) <b>40</b> – EasyReturn D+3 (2nd option)	YES
<b>payed_by</b>	Integer	Shipment payer <u>Possible values:</u> <b>1</b> – Sender <b>2</b> – Recipient	
<b>delivery_type</b>	Integer	Shipment delivery type <u>Possible values:</u> <b>1</b> – Address <b>2</b> – Post office <b>3</b> – Parcel locker	YES
<b>payerCECODE</b>	String(6)	Enter if shipment has to be charged to other contract, not connected with authentication username	
<b>value</b>	Decimal	Insured shipment value Number of decimal places: 2	

<b>payment_value</b>	Decimal	Cash-on-delivery amount Number of decimal places: 2	YES if additional service 9 is chosen (Cash-on-delivery shipment)
<b>collect_by_date</b>	System.Date	Collect by - date. It is sent if collection at the agreed time is required.	
<b>collect_by_time1</b>	List<EnumTime>	Collect by - start time. It is sent if collection at the agreed time is required.	
<b>collect_by_time2</b>	List<EnumTime>	Collect by - final time. It is sent if collection at the agreed time is required.	
<b>pickup_type</b>	Integer	Shipment pickup type <u>Possible values:</u> <b>1</b> – Address <b>2</b> – Post office <b>3</b> – Parcel locker	
<b>pickup_description</b>	String(500)	Additional description about pickup.	
<b>parcel_size</b>	String	Parcel size <u>Possible values:</u> <b>X</b> – Parcel dimension XS (9x16x64 cm) <b>S</b> – Parcel dimension S (9x38x64 cm) <b>M</b> – Parcel dimension M (19x38x64 cm) <b>L</b> – Parcel dimension L (39x38x64 cm)	YES if delivery_type 3 is chosen (Shipment is delivered to a Parcel locker)
<b>comment</b>	String(500)	Optional customer comment on order.	
<b>reference_field_B</b>	String(100)	Order reference field B	
<b>reference_field_C</b>	String(100)	Order reference field C	
<b>reference_field_D</b>	String(100)	Order reference field D	
<b>sender</b>	<a href="#">SenderData</a>	Sender's data	YES
<b>recipient</b>	<a href="#">RecipientData</a>	Recipient's data	YES
<b>additional_services</b>	List< <a href="#">AdditionalServiceData</a> >	Additional services	YES (can be empty)
<b>packages</b>	List< <a href="#">PackageData</a> >	Package list	YES

## SenderData

Parameter	Type	Description	REQUIRED
<b>sender_name</b>	String(50)	Sender's name (person or organization)	YES
<b>sender_phone</b>	String(25)	Sender's phone number	YES
<b>sender_email</b>	String(25)	Sender's email address	
<b>sender_street</b>	String(50)	Sender's name of the street	YES
<b>sender_hnum</b>	String(10)	Sender's number of the house	YES <b><u>IMPORTANT NOTE: If You</u></b>

			<b>can't extract house number from address, do not put zero here instead put dot (, ".")</b>
<b>sender_hnum_suffix</b>	String(10)	Sender's suffix number of the house	YES
<b>sender_zip</b>	String(5)	Sender's area zip code	YES
<b>sender_city</b>	String(25)	Sender's town or village name	YES
<b>sender_pickup_center</b>	String(5)	Sender's post office code or parcel locker for pickup	YES if pickup_type 2 or 3 is chosen <b>NOTE: On test use 61004 code for parcel_locker other may be inactive on test environment</b>

### RecipientData

Parameter	Type	Description	REQUIRED
<b>recipient_name</b>	String(50)	Recipient's name (person or organization)	YES
<b>recipient_phone</b>	String(25)	Recipient's phone number	<p>YES</p> <p><b>IMPORTANT NOTE:</b> In case of delivery_type =&gt; 3, e.g. parcel locker delivery, phone number will be validated by next rules:</p> <ul style="list-style-type: none"> <li>• valid recipient Croatian mobile phone number must be specified <ul style="list-style-type: none"> <li>○ landline numbers are not allowed</li> <li>○ foreign numbers are not allowed</li> <li>○ the number must be in correct format <ul style="list-style-type: none"> <li>▪ Croatian prefix (+385, 00385 or 385); not mandatory</li> <li>▪ Croatian mobile prefix, with or without zero (091,</li> </ul> </li> </ul> </li> </ul>

			<p>092, 095, 097, 098 or 099)</p> <ul style="list-style-type: none"> <li>▪ six or seven digits</li> </ul> <p><b>examples of correct format:</b> +385991234567 00385991234567 0991234567</p>
<b>recipient_email</b>	String(25)	Recipient's email address	
<b>recipient_street</b>	String(50)	Recipient's name of the street	YES
<b>recipient_hnum</b>	String(10)	Recipient's number of the house	<p>YES</p> <p><b>IMPORTANT NOTE: If You can't extract house number from address, do not put zero here instead put dot („.")</b></p>
<b>recipient_hnum_suffix</b>	String(10)	Recipient's suffix number of the house	YES
<b>recipient_zip</b>	String(5)	Recipient's area zip code	YES
<b>recipient_city</b>	String(25)	Recipient's name of the town or village	YES
<b>recipient_delivery_center</b>	String(5)	Recipient's code of post office or parcel locker for delivery	<p>YES if delivery_type 2 or 3 is chosen</p> <p><b>NOTE: On test use 61004 code for parcel_locker other may be inactive on test environment</b></p>

#### List AdditionalServiceData

Parameter	Type	Description	REQUIRED
<b>additional_service_id</b>	Integer	<p>ID of additional service</p> <p><u>Possible values:</u></p> <p><b>1</b> – Personal delivery</p> <p><b>3</b> – Delivery on Saturdays</p> <p><b>4</b> – With the advice of receipt (AR)</p> <p><b>9</b> – Cash-on-delivery shipment</p> <p><b>11</b> – Collect on suterdays</p> <p><b>29</b> – Send a notification to the sender</p> <p><b>30</b> – Send a notification to the recipient</p> <p><b>31</b> – Send a email to sender</p> <p><b>32</b> – Send an e-mail to the recipient</p> <p><b>38</b> – Non standard format</p> <p><b>45</b> – EasyReturn (third option)</p> <p><b>46</b> – Sensitive content</p> <p><b>47</b> – Consolidated shipment</p>	

#### List PackageData

Parameter	Type	Description	REQUIRED
<b>barcode</b>	String(20)	Barcode given by Hrvatska pošta d.d. (before creating shipment order)	YES if barcode_type 0 is chosen
<b>barcode_type</b>	Integer	Barcode type <u>Possible values:</u>	YES

		<b>0</b> – Barcode given by Hrvatska pošta d.d. (before creating shipment order) <b>1</b> – Barcode given from response after creating shipment order	
<b>barcode_client</b>	String(500)	Client's own barcode	YES if barcode_type 1 is chosen
<b>weight</b>	Decimal	Package weight in kilograms Number of decimal places: 3	YES
<b>volume_x</b>	Integer	Parcel's dimensions in centimeters	
<b>volume_y</b>	Integer	Parcel's dimensions in centimeters.	
<b>volume_z</b>	Integer	Parcel's dimensions in centimeters.	

List EnumTime (values for: collect\_by\_time\_1 and collect\_by\_time\_2 parameters)

Parameter
TIME_0800
TIME_0830
TIME_0900
TIME_0930
TIME_1000
TIME_1030
TIME_1100
TIME_1130
TIME_1200
TIME_1230
TIME_1300
TIME_1330
TIME_1400
TIME_1430
TIME_1500
TIME_1530
TIME_1600
TIME_1630
TIME_1700
TIME_1730
TIME_1800
TIME_1830
TIME_1900
TIME_1930
TIME_2000
TIME_2030
TIME_2100
TIME_2130
TIME_2200
TIME_2230
TIME_2300
TIME_2330

## Request example

```
{
  "parcels": [
    {
      "client_reference_number": "a00612566",
      "service": "38",
      "payed_by": 2,
      "delivery_type": 2,
      "value": 99.00,
      "payment_value": 99.00,
      "pickup_type": 1,
      "parcel_size": "S",
      "collect_by_date": "2024-03-24",
      "collect_by_time_1": "TIME_0900",
      "collect_by_time_2": "TIME_1130",
      "comment": "This is test",
      "reference_field_B": "",
      "reference_field_C": "",
      "reference_field_D": "",
      "payer_CECODE": "111111",
      "recipient": {
        "recipient_name": "Pero Zvrndalo",
        "recipient_phone": "0991234567",
        "recipient_email": "bojan.kajfes@gmail.com",
        "recipient_street": "SLOVENSKA",
        "recipient_hnum": 19,
        "recipient_hnum_suffix": "/2",
        "recipient_zip": "10000",
        "recipient_city": "Zagreb",
        "recipient_delivery_center": 10000
      },
      "sender": {
        "sender_name": "Hrvatska Pošta",
        "sender_phone": "+38598271423",
        "sender_email": "branislav.jankovic+ssp21@vinted.com",
        "sender_street": "Božidara Magovca 14 a",
        "sender_hnum": ".",
        "sender_hnum_suffix": "",
        "sender_zip": "10000",
        "sender_city": "Zagreb"
      },
      "additional_services": [
        {
          "additional_service_id": 9
        },
        {
          "additional_service_id": 32
        }
      ],
      "packages": [
        {
          "barcode": "",
          "barcode_type": 1,

```

```

        "barcode_client": "123456",
        "weight": 5,
        "volume_x": 5,
        "volume_y": 5,
        "volume_z": 10
    }
]
},
"return_address_label": true
}

```

## Response example

```

{
  "ShipmentOrdersList": [
    {
      "ClientReferenceNumber": "a00612566",
      "ResponseStatus": 0,
      "Packages": [
        {
          "barcode": "LD055099035HR",
          "barcode_type": 1,
          "barcode_client": "123456",
          "weight": 5.0,
          "volume_x": 5,
          "volume_y": 5,
          "volume_z": 10
        }
      ],
      "ErrorCode": null,
      "ErrorMessage": null,
      "MessageID": ""
    }
  ],
  "ShipmentsLabel": "base64_string_representation_of_pdf"
}

```



## Response parameters

### Class CreateShipmentOrdersMainResponse

Parameter	Type	Description
<b>ShipmentOrdersList</b>	List<CreateShipmentOrdersResponse>	List of created or rejected shipment orders depending of potential errors
<b>ShipmentsLabel</b>	String	Shipping labels for created shipment orders in PDF format

### Class CreateShipmentOrdersResponse

Parameter	Type	Description
<b>ClientReferenceNumber</b>	String	Unique client ID of shipment order
<b>ResponseStatus</b>	EnumResponseStatus	<b>0</b> – OK <b>1</b> – ERROR
<b>Packages</b>	List<PackageData>	List of created packages
<b>ErrorCode</b>	Integer	Error code
<b>ErrorMessage</b>	String	Error message
<b>MessageID</b>	String	Error ID

## 6.2. CancelShipmentOrders

### Definition

This method is used to cancel shipping orders.

Method	URL example - TEST
POST	<a href="https://dxwebapit.posta.hr:9020/api/shipment/cancel_shipment_orders">https://dxwebapit.posta.hr:9020/api/shipment/cancel_shipment_orders</a>

## Request parameters

### Class CancelOrdersData

Parameter	Type	Description	REQUIRED
<b>parcels</b>	List< <a href="#">CancelOrderData</a> >	List of shipment orders to cancel	YES

### Class CancelOrderData

Parameter	Type	Description	REQUIRED
<b>client_reference_number</b>	String(100)	Unique client ID of shipment order	YES

## Request example

```
{
  "parcels": [
    {
      "client_reference_number": "unique_client_id"
    },
    {
      "client_reference_number": "test12"
    }
  ]
}
```

## Response example

```
[
  {
    "ClientReferenceNumber": "unique_client_id",
    "ResponseStatus": 0,
    "ErrorCode": null,
    "ErrorMessage": null
  },
  {
    "ClientReferenceNumber": "test12",
    "ResponseStatus": 0,
    "ErrorCode": null,
    "ErrorMessage": null
  }
]
```

## Response parameters

### Class CancelShipmentOrdersResponse

Parameter	Type	Description
<b>ClientReferenceNumber</b>	String	Unique client ID of shipment order
<b>ResponseStatus</b>	EnumResponseStatus	<b>0</b> – OK <b>1</b> – ERROR
<b>ErrorCode</b>	Integer	Error code
<b>ErrorMessage</b>	String	Error message

## 6.3. FetchShipmentStatus

### Definition

This method is used to retrieve shipping orders status. Method is similar to „GetShipmentStatus“ method mentioned above but it uses POST request instead GET.

Method	URL example - TEST
POST	https://dxwebapit.posta.hr:9020/api/shipment/fetch_shipment_status

### Request parameters

#### Class BarcodesData

Parameter	Type	Description	REQUIRED
<b>barcodes</b>	List< <a href="#">BarcodeData</a> >	List of barcodes to retrieve status	YES

#### Class BarcodeData

Parameter	Type	Description	REQUIRED
<b>barcode</b>	String(20)	Package barcode to retrieve status	YES

### Request example

```
{  "barcodes": [    {      "barcode": "LE347087966HR"    },    {      "barcode": "LE347087952HR"    }  ]}
```

### Response example

```
[  {    "Barcode": "LE347087966HR",    "PackageScansList": [      {        "Scan": "NOV",        "ScanDescription": "Definirani podaci o pošiljci",        "ScanTime": "2022-11-16T11:15:33.257",        "Center": "ROOT",        "Comment": null,        "CommentNPA": "5000002"      }    ],    "ResponseStatus": 0,    "ErrorCode": null,    "ErrorMessage": null  }]
```

```

    },
    {
        "Barcode": "LE347087952HR",
        "PackageScansList": [
            {
                "Scan": "NOV",
                "ScanDescription": "Definirani podaci o pošiljci",
                "ScanTime": "2022-11-16T11:30:22.763",
                "Center": "ROOT",
                "Comment": null,
                "CommentNPA": "5000002"
            }
        ],
        "ResponseStatus": 0,
        "ErrorCode": null,
        "ErrorMessage": null
    }
]

```

## Response parameters

### Class GetShipmentStatusResponse

Parameter	Type	Description
<b>Barcode</b>	String	Package barcode
<b>PackageScansList</b>	List< <a href="#">PackageScanData</a> >	List of package scans
<b>ResponseStatus</b>	EnumResponseStatus	<b>0</b> – OK <b>1</b> – ERROR
<b>ErrorCode</b>	Integer	Error code
<b>ErrorMessage</b>	String	Error message

### Class PackageScanData

Parameter	Type	Description
<b>Scan</b>	String	Scan code <b>List of scans:</b> <a href="#">Appendix A</a>
<b>ScanDescription</b>	String	Scan description
<b>ScanTime</b>	DateTime	Scan date and time
<b>Center</b>	String	Center in which the scan was made
<b>Comment</b>	String	Comment on scan
<b>CommentNPA</b>	String	Comment on scan NPA <b>List of comments:</b> <a href="#">Appendix B</a>

## 6.4. FetchShippingLabels

### Definition

This method is used for retrieval of package address labels.

It is possible to retrieve the address label by parcel barcodes **and/or** by client order number.

Method	URL example - TEST
POST	https://dxwebapit.posta.hr:9020/api/shipment/fetch_shipping_labels

### Request parameters

#### Class LabelsData

Parameter	Type	Description	REQUIRED
<b>client_reference_number</b>	String(100)	Unique client ID of shipment order	YES if barcodes is NULL or EMPTY
<b>barcodes</b>	List< <a href="#">BarcodeData</a> >	List of barcodes to retrieve labels	YES if CRN is NULL or EMPTY
<b>A4</b>	Bool	Flag for A4 paper size (4 labels on 1 page) <u>Possible values:</u> <b>false</b> – NO <b>true</b> – YES If NULL 0 is default.	
<b>format</b>	Integer	Label format: <u>Possible values:</u> <b>1</b> – BASE64 representation of PDF <b>2</b> – ZPL (for ZEBRA printers) If NULL 1 is default.	

#### Class BarcodeData

Parameter	Type	Description	REQUIRED
<b>barcode</b>	String(20)	Package barcode	

### Request example

```
{
  "client_reference_number": "test",
  "barcodes": [
    {
      "barcode": "LE900001297HR"
    },
    {
      "barcode": "LE900001310HR"
    }
  ],
  "A4": false
}
```

## Response example

```
{
  "PackageLabel": "base64_string_representation_of_pdf",
  "ResponseStatus": 0,
  "ErrorCode": null,
  "ErrorMessage": null
}
```

## Response parameters

### Class GetShippingLabelsResponse

Parameter	Type	Description
<b>PackageLabel</b>	String	Package labels of created shipment orders in „base64“ string format or Zebra ZPL definition of label
<b>ResponseStatus</b>	EnumResponseStatus	<b>0</b> – OK <b>1</b> – ERROR
<b>ErrorCode</b>	Integer	Error code
<b>ErrorMessage</b>	String	Error message

## Response example

```
{
  "PackageLabel": "base64string",
  "ResponseStatus": 0,
  "ErrorCode": null,
  "ErrorMessage": null
}
```

## Response parameters

### Class GetShippingLabelsResponse

Parameter	Type	Description
<b>PackageLabel</b>	String	Package labels of created shipment orders in „base64“ string format
<b>ResponseStatus</b>	EnumResponseStatus	<b>0</b> – OK <b>1</b> – ERROR
<b>ErrorCode</b>	Integer	Error code
<b>ErrorMessage</b>	String	Error message

## 7. Delivery point methods

### 7.1. FetchParcelDeliveryPoint

#### Definition

This method is used to retrieve accurate and available information about working hours, addresses and other information of Croatian Post offices and parcel lockers.

Method	URL example - TEST
POST	<a href="https://dxwebapit.posta.hr:9020/api/delivery_point/fetch_parcel_delivery_point">https://dxwebapit.posta.hr:9020/api/delivery_point/fetch_parcel_delivery_point</a>

#### Request parameters

##### Class ParcelDeliveryPointData

Parameter	Type	Description	REQUIRED
<b>facilityType</b>	String	Parameter that filters data on post offices and parcel lockers <u>Possible values:</u> <b>ALL</b> – Retrieves post offices and parcel lockers <b>PU</b> – Retrieves only post lockers <b>PAK</b> – Retrieves only parcel lockers	YES
<b>nextWeek</b>	Integer	A parameter that determines whether the working hours for post offices will be retrieved for the current week or for the current and the following week <u>Possible values:</u> <b>0</b> – Retrieves post office working hours for the current week <b>1</b> – Retrieves post office working hours for the current and the following week	YES
<b>searchText</b>	String	A parameter that filters the retrieved data by name, location, postal code or parcel locker code and street Empty string does not filter results	YES

## Request example

1. Example of a service call that retrieves all post offices and parcel lockers with business hours for the current week, without filtering the results

```
{
  "facilityType": "ALL",
  "nextWeek": 0,
  "searchText": ""
}
```

2. Example of a service call that retrieves only parcel lockers

```
{
  "facilityType": "PAK",
  "nextWeek": 0,
  "searchText": ""
}
```

3. Example of a service call that retrieves only post offices with business hours for the current and following week

```
{
  "facilityType": "PU",
  "nextWeek": 1,
  "searchText": ""
}
```

4. Example of a service call that retrieves data by filtering

```
{
  "facilityType": "ALL",
  "nextWeek": 0,
  "searchText": "62102"
}
{
  "facilityType": "PU",
  "nextWeek": 0,
  "searchText": "Zagreb"
}
```

## Response example

```
"postaInfoList":
[
  {
    "type": "PU",
    "name": "name of the post office",
    "zip": "post office zip code and identifier",
    "city": "city name",
    "address": "street and house number",
    "tel": "contact phone number of post office",
    "fax": "contact fax number of post office",
```



```

    "geoLatitude": geo location latitude,
    "getLongitude": geo location longitude,
    "workingHours":
    [
      {
        "weekDay": 0,
        "date": "string",
        "openingTime":
        {
          "hour": 0,
          "minute": 0,
          "second": 0
        },
        "closingTime":
        {
          "hour": 0,
          "minute": 0,
          "second": 0
        },
        "closed": "string"
      }
    ]
  },
  "paketomatInfoList":
  [
    {
      "type": "PAK",
      "name": "name of parcel locker",
      "zip": "zip code"
      "city": "city name",
      "address": "street and house number where locker is located",
      "geoLat": geo location latitude,
      "getLng": geo location longitude,
      "code": "parcel locker identifier "
    }
  ]
}

```

The service returns two lists: one for post offices "postalInfoList" and one for parcel lockers "paketomatInfoList".

#### PostalInfoList

Within the list for post offices, the service returns information about working hours "workingHours" structured in such a way that working hours are returned separately for each day of the week. WorkingHours contains the following parameters within its structure:

Parameter	Type	Description
<b>weekDay</b>	Integer	Day of week 1 – monday . . . 7 - sunday
<b>date</b>	String	Designates the date
<b>openingTime</b>	String	Designates the opening time of the postal office
<b>closingTime</b>	String	Designates the closing time of the postal office
<b>Closed</b>	String	Designates whether the postal office is open or closed 0 – PO closed 1 – PO open

## Appendix A – SCANS - STATUS AND REASONS FOR PARCEL COLLECTION NOT DONE AND NON-DELIVERY

### STATUS

- NOV – new parcel
- SPAK – the sender has inserted the parcel into the parcel locker
- ZAP – debit courier for parcel collection
- PRIPAK – parcel collection from parcel locker is done
- NPR – parcel collection is not done
- PRI – parcel collection is done
- ZPR – receipt of the parcel into the system-scanned in central HUB
- OTP – parcel transit between post depos
- ZOT – receipt of the parcel from other post depo
- ZAD – debit courier for parcel delivery
- IOD – delivery note in post depo-discharge of
- IND – non-delivery
- ODG – delivery delay for warehousing
- POV – parcel return
- IPP – finally delivery to the sender
- PRE – routed - change destination
- UKO – parcel loading to the container
- IZM – change parcel data.
- STO – Shipment canceled.
- PAK – Parcel stored to parcel locker for delivery

### REASONS OF PARCEL COLLECTION IS NOT DONE (NPR)

- 1050002 Recipient absent
- 1050006 Recipient absent
- 1050003 Unknown recipient
- 1050005 Parcel is not ready
- 1050007 Undoable
- 1050001 No parcel for collection
- 1050008 Sender info about collection attempt

### REASONS OF NON-DELIVERY (IND)

- 3900002 undeliverable
- 7010002 died
- 7010009 lost before delivery
- 7010010 lost after delivery
- 3900023 incomplete address
- 3900022 delivery agreed
- 3900025 second attempt delivery
- 3900004 refused by recipient
- 7010003 returned
- 3900027 the courier did not reach the address
- 3900017 recipient informed
- 7010004 for payment/delivery in post office
- 7010018 new attempt of delivery on order
- 3900007 recipient present, without money for payment

- 3900001 recipient absent
- 7010001 resend to
- 7010017 delivery in other post office
- 3900028 The user does not respond - informed
- 3900029 Wrong contact phone number of the user - notified
- 3900018 Package contents do not match
- 3900019 Damaged shipment
- 3900021 Issue at sorting center

## Appendix B – API validation errors

Validation error	Explanation
Ako je tip usluge Besplatni povrat (Easy Return) D+3, platitelj mora biti primatelj i način plaćanja mora biti Ugovoreni (R1).	For Easy Return service the payer must be the recipient and legal entity, and payment type must be contracted.
Ako je tip usluge Besplatni povrat (Easy Return) D+3, tada naručitelj mora biti primatelj.	For Easy Return service the principal must be the recipient and legal entity.
Ako je tip usluge Besplatni povrat (Easy Return) D+3, tada naručitelj/platitelj ne smije biti fizička osoba.	For Easy Return service the principal and the recipient must be legal entity.
CollectByDate mora biti unesen jer je unesen CollectByTime1.	If pickup time is given, pickup date must also be given.
CollectByDate mora biti unesen jer je unesen CollectByTime2.	If pickup time is given, pickup date must also be given.
CollectByTime1 ili CollectByTime2 mora biti unesen jer je unesen CollectByDate.	If pickup date is given, pickup time must also be given.
Dozvoljen je upis samo jedne veličine pretinca.	Shipments with parcel locker pickup or delivery must have only one compartment size.
Duplikati u AdditionalServiceList.	The same additional service is given multiple times.
Duplikati u PackageList.	The same package is given multiple times.
Fizička osoba i blokirani klijent smiju platiti samo gotovinom ili virmanom.	If you get this message, it means you are blocked. Contact your sales representative.
Iznos CODAmount ne smije biti veći od 13 272,28 eura.	COD amount for COD without money order cannot be over 13,272.28 EUR.
Iznos CODAmount ne smije biti veći od 3318,07 eura.	COD amount for COD with postal money order cannot be over 3,318.07 EUR.
Iznos CODAmount veći je od dozvoljenog.	COD amount for COD is higher than allowed.
Ako je isporuka u paketomatu, ne smije biti navedena otkupnina (CODAmount).	Shipments with parcel locker delivery cannot have CODAmount.
Iznos Value ne smije biti veći od 13 272,28 eura.	Insured value cannot be over 13,272.28 EUR.
Lista PackageList ne smije biti prazna.	There are no packages in package list.
Ne smije biti naveden Barcode ako se koristi BarcodeType BARCODE_CUSTOM.	If you use your own barcodes (BARCODE_CUSTOM), Barcode field must be empty.
Nedostaje podatak: Barcode.	Missing data: Barcode. If you use BARCODE_3P, Barcode field cannot be empty.
Nedostaje podatak: BarcodeClient.	Missing data: BarcodeClient. If you use BARCODE_CUSTOM, BarcodeClient field cannot be empty.
Nedostaje podatak: Weight.	Missing data: Weight. If the field is specified, a value must be given (0 is allowed).
Nedostaje podatak: ShippingDocumentNumber.	Missing data: ShippingDocumentNumber. If additional service 5 is used, ShippingDocumentNumber must be given.
Nedostaje podatak: Dopunska usluga Id=9 (Otkupna pošiljka).	Missing data: Additional service Id=9 (COD shipment). If CODAmount is given, additional service 9 must be used.

Neispravan podatak: service.	Incorrect data: service. Mandatory field.
Neispravan podatak: payed_by.	Incorrect data: payed_by.
Neispravan podatak: delivery_type.	Incorrect data: delivery_type. Mandatory field.
Neispravan podatak: additional_service_id.	Incorrect data: additional_service_id.
Neispravan podatak: client_reference_number.	Incorrect data: client_reference_number. Mandatory field.
Neispravan podatak: sender_name.	Incorrect data: sender_name. Mandatory field.
Neispravan podatak: sender_phone.	Incorrect data: sender_phone. Mandatory field.
Neispravan podatak: sender_city.	Incorrect data: sender_city. Mandatory field.
Neispravan podatak: sender_zip.	Incorrect data: sender_zip. Mandatory field.
Neispravan podatak: sender_street.	Incorrect data: sender_street. Mandatory field.
Neispravan podatak: sender_hnum.	Incorrect data: sender_hnum. Mandatory field. <b>IMPORTANT NOTE: If You can't extract house number from address, do not put zero here instead put dot.</b>
Neispravan podatak: sender_pick_up_center.	Incorrect data: sender_pick_up_center. For post office or parcel locker delivery (pickup_type 2 or 3) sender_pick_up_center field cannot be empty.
Neispravan podatak: recipient_name.	Incorrect data: recipient_name. Mandatory field.
Neispravan podatak: recipient_phone.	Incorrect data: recipient_phone. Mandatory field.
Neispravan podatak: RecipientPhone	Incorrect data: recipient_phone. Mandatory field.
Neispravan podatak: recipient_city.	Incorrect data: recipient_city. Mandatory field.
Neispravan podatak: recipient_zip.	Incorrect data: recipient_zip. Mandatory field.
Neispravan podatak: recipient_street.	Incorrect data: recipient_street. Mandatory field.
Neispravan podatak: recipient_hnum.	Incorrect data: recipient_hnum. Mandatory field. <b>IMPORTANT NOTE: If You can't extract house number from address, do not put zero here instead put dot.</b>
Neispravan podatak: recipient_delivery_center.	Incorrect data: recipient_delivery_center. Mandatory field if delivery_type 2 or 3 is chosen.
Neispravan podatak: payment_value.	Incorrect data: payment_value. Mandatory field if additional service 9 is chosen (Cash-on-delivery shipment).
Neispravan podatak: PaymentType.	Incorrect data: PaymentType. Mandatory field.
Neispravan podatak: pickup_type.	Incorrect data: pickup_type. If sender_pick_up_center is given, pickup_type must be given (2 or 3).
Neispravan podatak: Barcode.	Incorrect tracking number. Tracking number must be according to S10 UPU standard.
Nedozvoljen tip usluge za prikup i isporuku u paketomatu.	Unavailable service (MainService) for parcel locker pickup and delivery.
Nedozvoljen tip usluge za prikup na adresi i isporuku u paketomatu.	Unavailable service (MainService) for address pickup and parcel locker delivery.
Nedozvoljena dopunska usluga Nestandardni format.	Unavailable additional service: Non-standard format.
Nedozvoljena dopunska usluga Otpremnica.	Unavailable additional service: Bill of lading.

Nedozvoljena dopunska usluga S povratnicom.	Unavailable additional service: With the advice of receipt (AR).
Nedozvoljena dopunska usluga Uručiti osobno.	Unavailable additional service: Personal delivery.
Nedozvoljeni CECODE za ovog korisnika.	Unavailable client code in PayerCECODE fields.
Nije u šifrniku: PayerCECODE.	Data in PayerCECODE field is not allowed.
Nije u šifrniku: PaymentType.	Data in PaymentType field is not allowed.
Nije u šifrniku: PickupType.	Data in PickupType field is not allowed.
PayedBy mora biti unesen jer je unesen PayerCECODE.	Id PayerCECODE is given, PayedBy must also be given. Only if additional service 5 is used.
PayerCECODE mora biti unesen jer je unesen PayedBy.	Id PayedBy is given, PayerCECODE must also be given. Only if additional service 5 is used.
Podatak mora biti numerička vrijednost: ClientReferenceNumber.	ClientReferenceNumber must contain only numeric characters.
Prikup je na adresi: promijenite vrstu prikupa ili izbrišite PickupCenter.	PickupType 1 (address) and PickupCenter are given. For address pickup remove PickupCenter. For post office or parcel locker pickup use PickupType 2 or 3.
Tip usluge Paletizirana pošiljka ne smije imati dopunsku uslugu Paleta.	Service Paletized shipment (MainService 24) cannot have additional service Pallet (AdditionalService 10). Additional service Pallet is not used any more.
Najava za paket je već zaprimljena.	Package with given reception number (Barcode) already exists in 3PDX.
Već postoji Shipment order s istim ClientReferenceNumber.	Shipment with given ClientReferenceNumber already exists in 3PDX.
Vrsta isporuke je na paketomatu, ali navedena poslovnica isporuke nije paketomat.	Parcel locker delivery is given (DeliveryType 3), but specified delivery center (DeliveryCenter) is not a parcel locker.
Vrsta isporuke je na paketomatu, ali paketomat je neaktivan.	Parcel locker delivery is given (DeliveryType 3), but specified parcel locker (DeliveryCenter) is not active.
Vrsta isporuke je u poštanskom uredu, ali navedena poslovnica isporuke nije dostavni/isporučni poštanski ured.	Post office delivery is given (DeliveryType 2), but specified delivery center (DeliveryCenter) is not a delivery post office.
Vrsta prikupa je na paketomatu, ali navedena poslovnica prikupa nije paketomat.	Parcel locker pickup is given (PickupType 3), but specified pickup center (PickupCenter) is not a parcel locker.
Vrsta prikupa je na paketomatu, ali paketomat je neaktivan.	Parcel locker pickup is given (PickupType 3), but specified parcel locker (PickupCenter) is not active.
Za MainService 39 polje ReferenceFieldB ne smije biti prazno.	For Easy Return service (MainService 39) link to an outbound shipment is mandatory (in the ReferenceFieldB field).
Za navedeni tip usluge i za prikup u paketomatu platitelj ne može biti primatelj.	For parcel locker pickup the payer cannot be the recipient (except for Easy Return).
Za navedeni tip usluge nije dozvoljen prikup u paketomatu ako je dostava na adresi.	Shipments with parcel locker pickup cannot have address delivery (except for Easy Return).
Za pošiljku s prikupom/isporukom u paketomatu mora se upisati veličina pretinca.	Shipments with parcel locker pickup or delivery must have compartment size specified (additional service 41, 42, 43 or 44).
Za prikup i isporuku u paketomatu platitelj mora biti pošiljatelj.	For parcel locker pickup and delivery the payer must be the sender.

Za prikup ili isporuku u paketomatu maksimalna masa paketa je 30 kg.	For parcel locker pickup or delivery maximum package weight is 30 kg.
Za prikup ili isporuku u paketomatu ne smije biti više od jednog paketa.	Shipments with parcel locker pickup or delivery can have only one package.
Za dopunsku uslugu Id=47 (Konsolidirana pošiljka) jedno od sljedećih polja mora biti uneseno: (reference_field_B, reference_field_C, reference_field_D).	For additional service Id=47 (Consolidated shipment) one of the following fields must be specified: (reference_field_B, reference_field_C, reference_field_D).



## Appendix C – List of comments on scan NPA

id	code	name	group_code	event_id	name2
1	1050001	Parcels missing	NULL	8	Nerealiziran prikup
2	1050002	recipient absent	NULL	8	Nerealiziran prikup
3	1050003	unknown recipient	NULL	8	Nerealiziran prikup
4	1050004	Non standard shipment	NULL	8	Nerealiziran prikup
5	1050005	parcel is not ready	NULL	8	Nerealiziran prikup
6	1050006	recipient absent	NULL	8	Nerealiziran prikup
7	1050007	Not doable	NULL	8	Nerealiziran prikup
8	2300001	Parcel Shop closed	NULL	47	Unsuccessful handover to parcelShop
9	2300002	Parcel Shop full	NULL	47	Unsuccessful handover to parcelShop
10	2300003	Unsuccessful handover to parcel Shop	NULL	47	Unsuccessful handover to parcelShop
11	2303001	Parcel Shop full	NULL	50	Neuspješna predaja pošiljke u paketomat
12	2303002	Parcel Shop out of order	NULL	50	Neuspješna predaja pošiljke u paketomat
13	2303003	Unsuccessful handover to parcel Shop	NULL	50	Neuspješna predaja pošiljke u paketomat
14	2306001	Post office closed	NULL	53	Neuspješna predaja pošiljke u poštanski ured
15	2306002	Post office full	NULL	53	Neuspješna predaja pošiljke u poštanski ured
16	2306003	Unsuccessful handover to Post office	NULL	53	Neuspješna predaja pošiljke u poštanski ured
17	3900001	recipient absent	1	106	Pošiljka neuručiva
18	3900002	undeliverable	2	106	Pošiljka neuručiva
20	3900004	refused by recipient	2	106	Pošiljka neuručiva
23	3900007	recipient present, without money for payment	2	106	Pošiljka neuručiva
33	3900017	recipient informed	4	106	Pošiljka neuručiva
37	3900021	delivery sort error	8	106	Pošiljka neuručiva
38	3900022	delivery agreed	9	106	Pošiljka neuručiva
39	3900023	incomplete address	10	106	Pošiljka neuručiva
41	3900025	second attempt delivery	1	106	Pošiljka neuručiva
43	3900027	the courier did not reach the address	14	106	Pošiljka neuručiva
44	5000001	Defined shipment data in the call center	NULL	129	Definirani podaci o pošiljci
45	5000002	Defined shipment data through the call center	NULL	129	Definirani podaci o pošiljci

46	5000003	Defined shipment data through the EPK	NULL	129	Definirani podaci o pošiljci
47	5000004	Defined shipment data through the DP	NULL	129	Definirani podaci o pošiljci
48	7010001	resend to	NULL	134	MIPS Nadoslano u
49	7010002	died	NULL	134	MIPS Nadoslano u
50	7010003	returned	NULL	134	MIPS Nadoslano u
51	7010004	for payment/delivery in post office	NULL	134	MIPS Nadoslano u
52	7010005	for the district	NULL	134	MIPS Nadoslano u
53	7010006	For the postman	NULL	134	MIPS Nadoslano u
54	7010007	More obligated	NULL	134	MIPS Nadoslano u
55	7010008	Less obligated	NULL	134	MIPS Nadoslano u
56	7010009	lost before delivery	NULL	134	MIPS Nadoslano u
57	7010010	lost after delivery	NULL	134	MIPS Nadoslano u
58	7010011	Postage incorrectly charged	NULL	134	MIPS Nadoslano u
59	7010012	Defective money order/parcel	NULL	134	MIPS Nadoslano u
60	7010013	For military post	NULL	134	MIPS Nadoslano u
61	7010014	Disposition	NULL	134	MIPS Nadoslano u
62	7010015	the money order/shipment did not arrive	NULL	134	MIPS Nadoslano u
63	7010016	For post office box	NULL	134	MIPS Nadoslano u
64	7010017	delivery in other post office	NULL	134	MIPS Nadoslano u
65	7010018	new attempt of delivery on order	NULL	134	MIPS Nadoslano u
66	7010019	Request denied	NULL	134	MIPS Nadoslano u
67	1001001	Barcode scanned	NULL	11	Prikup pošiljaka kod pošiljatelja
68	1001002	Barcode not scanned	NULL	11	Prikup pošiljaka kod pošiljatelja
69	3900028	the user does not respond - informed	1	106	Pošiljka neuručiva
70	3900029	wrong contact phone number of the user - notified	1	106	Pošiljka neuručiva
71	5002001	Change of invoice type R1 - DP	NULL	1310	Ažuriranje pošiljke
72	5000005	Defined shipment data through CE	NULL	129	Definirani podaci o pošiljci
73	5000006	Defined shipment data on parcel Shop	NULL	129	Definirani podaci o pošiljci
74	5006001	The sender will store the parcel in the compartment of the parcels Shop	NULL	1320	Najava pošiljke paketomatu
75	5006002	The postman will store the package in the compartment of the parcel machine	NULL	1320	Najava pošiljke paketomatu

76	1080001	Free return	NULL	1320	Najava pošiljke paketomatu
78	1050008	Notified	NULL	8	Nerealiziran prikup
79	2210001	Return parcel delivered to parcel Shop	NULL	212	Pošiljka predana u paketomat
80	3900018	Parcel content mismatch	NULL	106	Pošiljka neuručiva
81	3900019	Parcel damaged	NULL	106	Pošiljka neuručiva
97	8010001	Parcel return	NULL	70	Utovar dostavnog vozila
98	2303004	The dimensions of the parcel do not fit in the package machine	NULL	50	Neuspješna predaja pošiljke u paketomat

## Appendix D – EasyReturn

Easy Return, i.e. a shipment by which the customer returns the goods to the sender (e.g. webshop), can be realized in the DxWeb service through the additional service 45 or services 39 and 40.

### Return through service 39

In the case of service 39, the user submits both outgoing and return shipments to the DxWeb service and creates and prints both address labels (address label for return shipments is not mandatory). The address label for the return shipment is attached to the goods (outgoing shipment).

Outgoing shipment submitted to the DxWeb service should be standard and **referenced field B** must contain reference to return shipment (e.g. order or invoice number in the user system), whereas return shipments must meet the following conditions:

- **payed\_by** must be 2
- **service** must be 39
- Outgoing and return shipment must have the same value in the **reference\_field\_B** parameter like it is in outgoing shipment

To carry out the Easy Return, the customer must do the following:

- to collect at the address
  - enter the shipment number at <https://posiljka.posta.hr> (from any address label)
  - press the return button and select collection at the address
- to return at the post office
  - submit the return shipment at any post office with the attached return address label
- to return at the parcel locker
  - submit the return shipment at any parcel locker with the attached return address label

### Return through service 40

In the case of service 40, the user subsequently (at the customer's request) submits return shipment to the DxWeb service and creates and sends the customer the address label or just shipment number.

Return shipment must meet the following conditions:

- **payed\_by** must be 2
- **service** must be 40
- **pickup\_type** must be 1
- address collection
  - fields **collect\_by\_date**, **collect\_by\_time\_1** and **collect\_by\_time\_2** must be filled
- post office or parcel locker drop-off
  - fields **collect\_by\_date**, **collect\_by\_time\_1** and **collect\_by\_time\_2** must be empty.

To carry out the Easy Return, the customer must do the following:

- address collection
  - the customer needs not doing anything additional
- post office drop-off
  - submit the return shipment at any post office with the attached return address label or shipment number

- parcel locker drop-off
  - submit the return shipment at any parcel locker with the attached return address label or shipment number
  - Easy Return instructions should be followed at the parcel locker

### Return through additional service 45

In the case of the additional service 45, the user only submits an outgoing shipment to the DxWeb service and creates the appropriate address label. The outgoing shipment must have the Additional Service 45.

The customer can find the return shipment number through the Croatian Post shipment tracking site <https://posiljka.posta.hr>. To carry out the Easy Return, the customer must do the following:

- to collect at the address
  - enter the shipment number at <https://posiljka.posta.hr> (from the address label)
  - press the return button and select collection at the address
- to return at the post office
  - enter the shipment number at <https://posiljka.posta.hr> (from the address label)
  - press the return button and find the return shipment number
  - submit the return shipment at any post office with the return shipment number
- to return at the parcel locker
  - enter the shipment number at <https://posiljka.posta.hr> (from the address label)
  - press the return button and find the return shipment number
  - submit the return shipment at any parcel locker with the return shipment number

## Appendix E – Examples of method calls in C#, JavaScript and PHP

### 1.1 ClientAuth - authorization

#### C# - RestSharp

```
var options = new RestClientOptions("https://dxwebapit.posta.hr:9000")
{
    MaxTimeout = -1,
};
var client = new RestClient(options);
var request = new RestRequest("/api/authentication/client_auth", Method.Post);
request.AddHeader("Content-Type", "application/json");
var body = @"{
" + "\n" +
@"    ""username"": ""testweb"",
" + "\n" +
@"    ""password"": ""testweb""
" + "\n" +
@"}";
request.AddStringBody(body, DataFormat.Json);
RestResponse response = await client.ExecuteAsync(request);
Console.WriteLine(response.Content);
```

#### PHP – cURL

```
<?php
$curl = curl_init();

curl_setopt_array($curl, array(
    CURLOPT_URL => 'https://dxwebapit.posta.hr:9000/api/authentication/client_auth',
    CURLOPT_RETURNTRANSFER => true,
    CURLOPT_ENCODING => '',
    CURLOPT_MAXREDIRS => 10,
    CURLOPT_TIMEOUT => 0,
    CURLOPT_FOLLOWLOCATION => true,
    CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
    CURLOPT_CUSTOMREQUEST => 'POST',
    CURLOPT_POSTFIELDS => '{
        "username": "testweb",
        "password": "testweb"
    }',
    CURLOPT_HTTPHEADER => array(
        'Content-Type: application/json'
    ),
));

$response = curl_exec($curl);

curl_close($curl);
echo $response;
```

## Javascript - Fetch

```
var myHeaders = new Headers();
myHeaders.append("Content-Type", "application/json");

var raw = JSON.stringify({
  "username": "testweb",
  "password": "testweb"
});

var requestOptions = {
  method: 'POST',
  headers: myHeaders,
  body: raw,
  redirect: 'follow'
};

fetch("https://dxwebapit.posta.hr:9000/api/authentication/client_auth", requestOptions)
  .then(response => response.text())
  .then(result => console.log(result))
  .catch(error => console.log('error', error));
```

## 2.1 CreateShipemntOrders

### C# - RestSharp

```
var options = new RestClientOptions("https://dxwebapit.posta.hr:9020")
{
    MaxTimeout = -1,
};
var client = new RestClient(options);
var request = new RestRequest("/api/shipment/create_shipment_orders", Method.Post);
request.AddHeader("Content-Type", "application/json");
request.AddHeader("Authorization", "Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJDRUNPREUiOiIxMTEzMTEiLCJuYmYiOiJlMzE3MDIzNzQxNzYsImV4cCI6MTcwMjM4ODU3NiwiWF0IjoxNzAyMzY0MTc2fQ.jqmhC7zruvhWzItP-DW2inIJR3wvqkR0anW1IHjIz7A");
var body = @"{
" + "\n" +
@"    "parcels":[
" + "\n" +
@"        {
" + "\n" +
@"            "client_reference_number":"Test 12367",
" + "\n" +
@"            "service":"38",
" + "\n" +
@"            "payed_by":1,
" + "\n" +
@"            "delivery_type":3,
" + "\n" +
@"            "PayerCECODE": "123456",
" + "\n" +
@"            "value":27.46,
" + "\n" +
@"            "payment_value":27.46,
" + "\n" +
@"            "pickup_type":1,
" + "\n" +
@"            "parcel_size":"S",
" + "\n" +
@"            "reference_field_B":"",
" + "\n" +
@"            "reference_field_C":"",
" + "\n" +
@"            "reference_field_D":"",
" + "\n" +
@"            "sender":{
" + "\n" +
@"                "sender_name":"Hrvatska Pošta d.d.",
" + "\n" +
@"                "sender_phone":"017757397",
" + "\n" +
@"                "sender_email":"no-reply@posta.hr",
" + "\n" +
@"                "sender_street":"POŠTANSKA ULICA",
```



```

" + "\n" +
@ "          ""sender_hnum"":""9"",
" + "\n" +
@ "          ""sender_hnum_suffix"":""",
" + "\n" +
@ "          ""sender_zip"":""10410"",
" + "\n" +
@ "          ""sender_city"":""Velika Gorica"",
" + "\n" +
@ "          ""sender_pick_up_center"":""""
" + "\n" +
@ "      },
" + "\n" +
@ "      ""recipient"":{
" + "\n" +
@ "          ""recipient_name"":""Pero Zvrndalo"",
" + "\n" +
@ "          ""recipient_phone"":""385998274492"",
" + "\n" +
@ "          ""recipient_email"":""bojan.kajfes3@gmail.com"",
" + "\n" +
@ "          ""recipient_street"":""Slovenska 19"",
" + "\n" +
@ "          ""recipient_hnum"":"".",
" + "\n" +
@ "          ""recipient_hnum_suffix"":""",
" + "\n" +
@ "          ""recipient_zip"":""10000"",
" + "\n" +
@ "          ""recipient_city"":""Zagreb"",
" + "\n" +
@ "          ""recipient_delivery_center"":""61010""
" + "\n" +
@ "      },
" + "\n" +
@ "      ""additional_services"":[
" + "\n" +
@ "          {
" + "\n" +
@ "              ""additional_service_id"":9
" + "\n" +
@ "          }
" + "\n" +
@ "      ],
" + "\n" +
@ "      ""packages"":[
" + "\n" +
@ "          {
" + "\n" +
@ "              ""barcode"":""",
" + "\n" +
@ "              ""barcode_type"":1,
" + "\n" +
@ "          }

```

```
@"          "barcode_client":"123458",
" + "\n" +
@"          "weight":0.029
" + "\n" +
@"          }
" + "\n" +
@"          ]
" + "\n" +
@"          }
" + "\n" +
@"          ],
" + "\n" +
@"          "return_address_label":true
" + "\n" +
@"}";
request.AddStringBody(body, DataFormat.Json);
RestResponse response = await client.ExecuteAsync(request);
Console.WriteLine(response.Content);
```

## JavaScript - Fetch

```
var myHeaders = new Headers();
myHeaders.append("Content-Type", "application/json");
myHeaders.append("Authorization", "Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpbnR5cnUiOiJxMTEuMTEiLCJuYmYiOiJlMzMDIzNzQxNzYsImV4cCI6MTcwMjM4ODU3NiwiWF0IjoxNzAyMzc0MTc2fQ.jqmhC7zruvhWzItP-DW2inIJR3wvqkR0anW1IHjIz7A");

var raw = JSON.stringify({
  "parcels": [
    {
      "client_reference_number": "Test 12367",
      "service": "38",
      "payed_by": 1,
      "delivery_type": 3,
      "PayerCECODE": "123456",
      "value": 27.46,
      "payment_value": 27.46,
      "pickup_type": 1,
      "parcel_size": "S",
      "reference_field_B": "",
      "reference_field_C": "",
      "reference_field_D": "",
      "sender": {
        "sender_name": "Hrvatska Pošta d.d.",
        "sender_phone": "017757397",
        "sender_email": "no-reply@posta.hr",
        "sender_street": "POŠTANSKA ULICA",
        "sender_hnum": "9",
        "sender_hnum_suffix": "",
        "sender_zip": "10410",
        "sender_city": "Velika Gorica",
        "sender_pick_up_center": ""
      },
      "recipient": {
        "recipient_name": "Pero Zvrndalo",
        "recipient_phone": "385998274492",
        "recipient_email": "bojan.kajfes3@gmail.com",
        "recipient_street": "Slovenska 19",
        "recipient_hnum": ".",
        "recipient_hnum_suffix": "",
        "recipient_zip": "10000",
        "recipient_city": "Zagreb",
        "recipient_delivery_center": "61010"
      },
      "additional_services": [
        {
          "additional_service_id": 9
        }
      ],
      "packages": [
        {
          "barcode": "",

```

```
        "barcode_type": 1,  
        "barcode_client": "123458",  
        "weight": 0.029  
    }  
  ]  
}  
],  
"return_address_label": true  
});  
  
var requestOptions = {  
  method: 'POST',  
  headers: myHeaders,  
  body: raw,  
  redirect: 'follow'  
};  
  
fetch("https://dxwebapit.posta.hr:9020/api/shipment/create_shipment_orders", requestOptions)  
  .then(response => response.text())  
  .then(result => console.log(result))  
  .catch(error => console.log('error', error));
```

## PHP – cURL

```
<?php

$curl = curl_init();

curl_setopt_array($curl, array(
    CURLOPT_URL => 'https://dxwebapit.posta.hr:9020/api/shipment/create_shipment_order',
    CURLOPT_RETURNTRANSFER => true,
    CURLOPT_ENCODING => '',
    CURLOPT_MAXREDIRS => 10,
    CURLOPT_TIMEOUT => 0,
    CURLOPT_FOLLOWLOCATION => true,
    CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
    CURLOPT_CUSTOMREQUEST => 'POST',
    CURLOPT_POSTFIELDS => '{
        "parcels":[
            {
                "client_reference_number":"Test 12367",
                "service":"38",
                "payed_by":1,
                "delivery_type":3,
                "PayerCECODE": "123456",
                "value":27.46,
                "payment_value":27.46,
                "pickup_type":1,
                "parcel_size":"S",
                "reference_field_B":"","",
                "reference_field_C":"","",
                "reference_field_D":"","",
                "sender":{
                    "sender_name":"Hrvatska Pošta d.d.",
                    "sender_phone":"017757397",
                    "sender_email":"no-reply@posta.hr",
                    "sender_street":"POŠTANSKA ULICA",
                    "sender_hnum":"9",
                    "sender_hnum_suffix":"","",
                    "sender_zip":"10410",
                    "sender_city":"Velika Gorica",
                    "sender_pick_up_center":""
                },
                "recipient":{
                    "recipient_name":"Pero Zvrndalo",
                    "recipient_phone":"385998274492",
                    "recipient_email":"bojan.kajfes3@gmail.com",
                    "recipient_street":"Slovenska 19",
                    "recipient_hnum":".",
                    "recipient_hnum_suffix":"","",
                    "recipient_zip":"10000",
                    "recipient_city":"Zagreb",
                    "recipient_delivery_center":"61010"
                }
            }
        ]
    }'
```

```

        "additional_services":[
            {
                "additional_service_id":9
            }
        ],
        "packages":[
            {
                "barcode":"",
                "barcode_type":1,
                "barcode_client":"123458",
                "weight":0.029
            }
        ]
    }
},
"return_address_label":true
}',
CURLOPT_HTTPHEADER => array(
    'Content-Type: application/json',
    'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJJDRUNPREUiOiIzMTE
xMTEiLCJuYmYiOiJlMzMDIzNzQxNzYsImV4cCI6MTcwMjM4ODU3NiwiYWV0IjoxNzAyMzc0MTc2fQ.jqmhc7z
ruvhwzItP-DW2inIJR3wvqkR0anWlIHjIz7A'
),
));

$response = curl_exec($curl);

curl_close($curl);
echo $response;

```

## 2.2 CancelShipmentOrders

### C# - RestSharp

```
var options = new RestClientOptions("https://dxwebapit.posta.hr:9020")
{
    MaxTimeout = -1,
};
var client = new RestClient(options);
var request = new RestRequest("/api/shipment/cancel_shipment_orders", Method.Post);
request.AddHeader("Content-Type", "application/json");
request.AddHeader("Authorization", "Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJDRUNPREUiOiIxMTEiLCJuYmYiOiJlMzMDIzNzQxNzYsImV4cCI6MTcwMjM4ODU3NiwiWF0IjoxNzAyMzc0MTc2fQ.jqmhc7zruvhwzItP-DW2inIJR3wvqkR0anW1IHjIz7A");
var body = @"{
" + "\n" +
@"    ""parcels"": [
" + "\n" +
@"        {
" + "\n" +
@"            ""client_reference_number"": ""Test 12366""
" + "\n" +
@"        },
" + "\n" +
@"        {
" + "\n" +
@"            ""client_reference_number"": ""Test 12365""
" + "\n" +
@"        }
" + "\n" +
@"    ]
" + "\n" +
@"}";
request.AddStringBody(body, DataFormat.Json);
RestResponse response = await client.ExecuteAsync(request);
Console.WriteLine(response.Content);
```

## JavaScript - Fetch

```
var myHeaders = new Headers();
myHeaders.append("Content-Type", "application/json");
myHeaders.append("Authorization", "Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkdXNPREUyOiIyMTEyMTEiLCJuYmYiOiJlMzMDIzNzQxNzYsImV4cCI6MTcwMjM4ODUzNiwiWF0IjoxNzAyMzc0MTc2fQ.jqmhc7zruvhwzItP-DW2inIJR3wvqkR0anW1IHjIz7A");

var raw = JSON.stringify({
  "parcels": [
    {
      "client_reference_number": "Test 12366"
    },
    {
      "client_reference_number": "Test 12365"
    }
  ]
});

var requestOptions = {
  method: 'POST',
  headers: myHeaders,
  body: raw,
  redirect: 'follow'
};

fetch("https://dxwebapit.posta.hr:9020/api/shipment/cancel_shipment_orders", requestOptions)
  .then(response => response.text())
  .then(result => console.log(result))
  .catch(error => console.log('error', error));
```



## PHP – cURL

```
<?php

$curl = curl_init();

curl_setopt_array($curl, array(
    CURLOPT_URL => 'https://dxwebapit.posta.hr:9020/api/shipment/cancel_shipment_orde
rs',
    CURLOPT_RETURNTRANSFER => true,
    CURLOPT_ENCODING => '',
    CURLOPT_MAXREDIRS => 10,
    CURLOPT_TIMEOUT => 0,
    CURLOPT_FOLLOWLOCATION => true,
    CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
    CURLOPT_CUSTOMREQUEST => 'POST',
    CURLOPT_POSTFIELDS => '{
        "parcels": [
            {
                "client_reference_number": "Test 12366"
            },
            {
                "client_reference_number": "Test 12365"
            }
        ]
    }'
),
    CURLOPT_HTTPHEADER => array(
        'Content-Type: application/json',
        'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJJRDUNPREUioiIjMTE
xMTEiLCJuYmYiOiJlMzMDIzNzQxNzYsImV4cCI6MTcwMjM4ODU3NiwiYWV0IjoxNzAyMzc0MTc2fQ.jqmhc7z
ruvhwzItP-DW2inIUR3wvqkR0anWlIHjIz7A'
    ),
));

$response = curl_exec($curl);

curl_close($curl);
echo $response;
```

## 2.3 FetchShipmentStatus

### C# - RestSharp

```
var options = new RestClientOptions("https://10.0.226.46:9020")
{
    MaxTimeout = -1,
};
var client = new RestClient(options);
var request = new RestRequest("/api/shipment/fetch_shipment_status", Method.Post);
request.AddHeader("Content-Type", "application/json");
request.AddHeader("Authorization", "Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJDRUNPREUiOiIxMTE4MTEiLCJuYmYiOiJlMzMDIzNzQxNzYsImV4cCI6MTcwMjM4ODU3NiwiWF0IjoxNzAyMzc0MTc2fQ.jqmhc7zruvhwzItP-DW2inIJR3wvqkR0anW1IHjIz7A");
var body = @"{
" + "\n" +
@"    ""barcodes"": [
" + "\n" +
@"        {
" + "\n" +
@"            ""barcode"": ""LD055029851HR""
" + "\n" +
@"        }
" + "\n" +
@"    ]
" + "\n" +
@"}";
request.AddStringBody(body, DataFormat.Json);
RestResponse response = await client.ExecuteAsync(request);
Console.WriteLine(response.Content);
```

## JavaScript - Fetch

```
var myHeaders = new Headers();
myHeaders.append("Content-Type", "application/json");
myHeaders.append("Authorization", "Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkdRUNKPREUyOjIwMTE4MTEiLCJuYmYiOiJlMDEzNzQxNzYsImV4cCI6MTcwMjM4ODU3NiwiWF0IjoxNzAyMzc0MTc2fQ.jqmhc7zruvhwzItP-DW2inIJR3wvqkR0anW1IHjIz7A");

var raw = JSON.stringify({
  "barcodes": [
    {
      "barcode": "LD055029851HR"
    }
  ]
});

var requestOptions = {
  method: 'POST',
  headers: myHeaders,
  body: raw,
  redirect: 'follow'
};

fetch("https://10.0.226.46:9020/api/shipment/fetch_shipment_status", requestOptions)
  .then(response => response.text())
  .then(result => console.log(result))
  .catch(error => console.log('error', error));
```

## PHP – cURL

```
<?php

$curl = curl_init();

curl_setopt_array($curl, array(
    CURLOPT_URL => 'https://10.0.226.46:9020/api/shipment/fetch_shipment_status',
    CURLOPT_RETURNTRANSFER => true,
    CURLOPT_ENCODING => '',
    CURLOPT_MAXREDIRS => 10,
    CURLOPT_TIMEOUT => 0,
    CURLOPT_FOLLOWLOCATION => true,
    CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
    CURLOPT_CUSTOMREQUEST => 'POST',
    CURLOPT_POSTFIELDS => '{
        "barcodes": [
            {
                "barcode": "LD055029851HR"
            }
        ]
    }
',
    CURLOPT_HTTPHEADER => array(
        'Content-Type: application/json',
        'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJJRDUNPREUUiOiIxmTEiLCJuYmYiOiJlMzMDIzNzQxNzYsImV4cCI6MTcwMjM4ODU3NiwiYWZ0IjoxNzAyMzc0MTc2fQ.jqmhc7zruvhwzItP-DW2inIJR3wvqkR0anW1IHjIz7A'
    ),
));

$response = curl_exec($curl);

curl_close($curl);
echo $response;
```

## 2.4 FetchShippingLabels

### C# - RestSharp

```
var options = new RestClientOptions("https://dxwebapit.posta.hr:9020")
{
    MaxTimeout = -1,
};
var client = new RestClient(options);
var request = new RestRequest("/api/shipment/fetch_shipping_labels", Method.Post);
request.AddHeader("Content-Type", "application/json");
request.AddHeader("Authorization", "Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJDRUNPREUuOiIzMTExMTEiLCJuYmYiOiJlMzMDIzNzQxNzYsImV4cCI6MTcwMjM4ODU3NiwiWF0IjoxNzAyMzc0MTc2fQ.jqmhc7zruvhwzItP-DW2inIJR3wvqkR0anW1IHjIz7A");
var body = @"{
" + "\n" +
@"    ""barcodes"": [
" + "\n" +
@"        {
" + "\n" +
@"            ""barcode"": ""LD055017663HR""
" + "\n" +
@"        }
" + "\n" +
@"    ],
" + "\n" +
@"    ""A4"": false,
" + "\n" +
@"    ""format"": 2
" + "\n" +
@"}";
request.AddStringBody(body, DataFormat.Json);
RestResponse response = await client.ExecuteAsync(request);
Console.WriteLine(response.Content);
```

## JavaScript - Fetch

```
var myHeaders = new Headers();
myHeaders.append("Content-Type", "application/json");
myHeaders.append("Authorization", "Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkdXNPREUyOiIjMTEiLCJuYmYiOiJlMzMDIzNzQxNzYsImV4cCI6MTcwMjM4ODU3NiwiWF0IjoxNzAyMzc0MTc2fQ.jqmhczruvhwzItP-DW2inIJR3wvqkR0anW1IHjIz7A");

var raw = JSON.stringify({
  "barcodes": [
    {
      "barcode": "LD055017663HR"
    }
  ],
  "A4": false,
  "format": 2
});

var requestOptions = {
  method: 'POST',
  headers: myHeaders,
  body: raw,
  redirect: 'follow'
};

fetch("https://dxwebapit.posta.hr:9020/api/shipment/fetch_shipping_labels", requestOptions)
  .then(response => response.text())
  .then(result => console.log(result))
  .catch(error => console.log('error', error));
```

## PHP – cURL

```
<?php

$curl = curl_init();

curl_setopt_array($curl, array(
    CURLOPT_URL => 'https://dxwebapit.posta.hr:9020/api/shipment/fetch_shipping_labels',
    CURLOPT_RETURNTRANSFER => true,
    CURLOPT_ENCODING => '',
    CURLOPT_MAXREDIRS => 10,
    CURLOPT_TIMEOUT => 0,
    CURLOPT_FOLLOWLOCATION => true,
    CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
    CURLOPT_CUSTOMREQUEST => 'POST',
    CURLOPT_POSTFIELDS => '{
        "barcodes": [
            {
                "barcode": "LD055017663HR"
            }
        ],
        "A4": false,
        "format": 2
    }',
    CURLOPT_HTTPHEADER => array(
        'Content-Type: application/json',
        'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJDRUNPREUioiIjMTEiLCJuYmYiOiJlMzMDIzNzQxNzYsImV4cCI6MTcwMjM4ODU3NiwiYWV0IjoxNzAyMzc0MTc2fQ.jqmhc7zruvhwzItP-DW2inIJR3wvqkR0anW1IHjIz7A'
    ),
));

$response = curl_exec($curl);

curl_close($curl);
echo $response;
```

### 3.1 FetchParcelDeliveryPoint

#### C# - RestSharp

```
var options = new RestClientOptions("https://dxwebapit.posta.hr:9020")
{
    MaxTimeout = -1,
};
var client = new RestClient(options);
var request = new RestRequest("/api/delivery_point/fetch_parcel_delivery_point", Method.Post);
request.AddHeader("Content-Type", "application/json");
request.AddHeader("Authorization", "Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJDRUNPREUiOiIxMTEzMTEiLCJuYmYiOiJlMzMDIzNzQxNzYsImV4cCI6MTcwMjM4ODU3NiwiiaWF0IjoxNzAyMzc0MTE2fQ.jqmhc7zruvhwzItP-DW2inIJR3wvqkR0anW1IHjIz7A");
var body = @"{
" + "\n" +
@"    ""facilityType"": ""PAK"",
" + "\n" +
@"    ""nextWeek"": 0,
" + "\n" +
@"    ""searchText"": """"
" + "\n" +
@"}";
request.AddStringBody(body, DataFormat.Json);
RestResponse response = await client.ExecuteAsync(request);
Console.WriteLine(response.Content);
```



## JavaScript - Fetch

```
var myHeaders = new Headers();
myHeaders.append("Content-Type", "application/json");
myHeaders.append("Authorization", "Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkdXNPREU3MTEiLCJuYmYiOiJlMjE3MDIzNzQxNzYsImV4cCI6MTcwMjM4ODU3NiwiWF0IjoxNzAyMzc0MTc2fQ.jqmhcz7zruvhwzItP-DW2inIJR3wvqkR0anW1IHjIz7A");

var raw = JSON.stringify({
  "facilityType": "PAK",
  "nextWeek": 0,
  "searchText": ""
});

var requestOptions = {
  method: 'POST',
  headers: myHeaders,
  body: raw,
  redirect: 'follow'
};

fetch("https://dxwebapit.posta.hr:9020/api/delivery_point/fetch_parcel_delivery_point", requestOptions)
  .then(response => response.text())
  .then(result => console.log(result))
  .catch(error => console.log('error', error));
```

## PHP – cURL

```
<?php

$curl = curl_init();

curl_setopt_array($curl, array(
    CURLOPT_URL => 'https://dxwebapit.posta.hr:9020/api/delivery_point/fetch_parcel_d
elivery_point',
    CURLOPT_RETURNTRANSFER => true,
    CURLOPT_ENCODING => '',
    CURLOPT_MAXREDIRS => 10,
    CURLOPT_TIMEOUT => 0,
    CURLOPT_FOLLOWLOCATION => true,
    CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
    CURLOPT_CUSTOMREQUEST => 'POST',
    CURLOPT_POSTFIELDS => '{
        "facilityType": "PAK",
        "nextWeek": 0,
        "searchText": ""
    }
',
    CURLOPT_HTTPHEADER => array(
        'Content-Type: application/json',
        'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJDRUNPREUiOiIxmTE
xMTEiLCJuYmYiOiJlMzMDIzNzQxNzYsImV4cCI6MTcwMjM4ODU3NiwiYWV0IjoxNzAyMzc0MTc2fQ.jqmhc7z
ruvhwzItP-DW2inIJR3wvqkR0anW1IHjIz7A'
    ),
));

$response = curl_exec($curl);

curl_close($curl);
echo $response;
```