BELparcel Webservice

History of change

Versie	Datum	Beschrijving	Auteur(s)
1.0	02/10/2024	First version of documentation BELparcel	Smals

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Goal of the document

This document describes the technical specifications of the web service of the BELparcel platform of the NSSO/BIPT.

The document describes the context, the terms of use, the functionalities and the actions (request and response) of the service. For each type of message examples will be provided along with the possible error codes that can occur.

This webservice was created to allow companies to comply to the Parcel Delivery Act of 17 December 2023. With the help of this document, their IT department will be able to correctly integrate with the NSSO/BIPT BELparcel web service.

Lexicon

NSSO	National Social Security Office
RSZ	Rijksdienst voor Sociale Zekerheid
ONSS	Office national de Sécurité sociale
ENSS	Landesamt für Soziale Sicherheit
BIPT	Belgian Institute for Postal Services and Telecommunications
BIPT	Belgisch Instituut voor postdiensten en telecommunicatie
IBPT	Institut belge des services postaux et des télécommunications

BIPT	Belgisches Institut für Postdienste und Telekommunikation
CBE	Crossroads Bank for Enterprises
KBO	Kruispuntbank van Ondernemingen
BCE	Banque Carrefour des Entreprises
ZDU	Zentrale Datenbank der Unternehmen
registered company	Company which has registered at the BIPT its activity as a parcel delivery service provider
aangemelde onderneming	Onderneming die bij het BIPT is aangemeld als een pakketbezorgingsdienst
entreprise en ordre de notification	Entreprise en ordre de notification auprès de l'IBPT en tant que prestataire de distribution de colis
Gemeldetes Unternehmen	Unternehmen, das beim BIPT seine Tätigkeit als Paketzustelldienstleister angemeldet hat
parcel delivery service	Service which consist of the collection, sorting, routing and distribution of postal items
pakketbezorgingsdienst	Dienst die bestaat uit het ophalen, sorteren, transporteren en leveren van pakketten
service de distribution de colis	Service qui consiste en la collecte, le tri, l'acheminement et la distribution de colis
Paketzustelldienst	Dienstleistungen, die in der Abholung, Sortierung, Weiterleitung und Zustellung von Paketen bestehen
mandatary	Responsible who can legally act in the name of the parcel delivery service provider
mandataris of mandaatnemer	Verantwoordelijke die wettelijk mag optreden in naam van een pakketbezorgingsdienst
mandataire	Responsable qui peut légalement agir au nom du prestataire de distribution de colis
Mandatar	Verantwortlicher, der rechtlich im Namen des Paketzustelldienstleisters handeln kann
principal	The principal is a parcel delivery service provider that uses another parcel delivery service provider to execute the distribution on its behalf.
opdrachtgever	De opdrachtgever is een pakketbezorgingsdienst die een ander pakketbezorgingsdienst gebruikt om de verdeling in zijn naam uit te voeren
donneur d'ordres	Le donneur d'ordres est un prestataire de distribution de colis qui fait appel à un autre prestataire de distribution de colis pour exécuter la distribution en son nom

Auftraggeber	Der Auftraggeber ist ein Paketzustelldienstleister, der einen anderen Paketzustelldienstleister beauftragt, die Zustellung in seinem Namen durchzuführen
subcontractor	The subcontractor is a parcel delivery service provider that distributes parcels on behalf of another parcel delivery service provider.
onderaannemer	De onderaannemer is een pakketbezorgingsdienst die pakketten bezorgt in naam van een andere pakketbezorgingsdienst
sous-traitant	Le sous-traitant est un prestataire de distribution de colis qui distribue des colis pour le compte d'un autre prestataire de distribution de colis
Subunternehmer	Der Subunternehmer ist ein Paketzustelldienstleister, der Zustellungen im Namen eines anderen Paketzustelldienstleisters durchführt
distribution center	Physical location in possession of the company where packages are stored and sorted for distribution by the company itself or their subcontractors.
distributiecentrum	Fysieke locatie die toebehoort aan de onderneming bij wie de pakketten zijn opgeslagen voor distributie door de onderneming zelf of hun onderaannemers
centre de distribution	Lieu physique en possession de l'entreprise où les colis sont stockés et triés en vue de leur distribution par l'entreprise elle-même ou par ses sous-traitants
Zustellzentrum	Physischer Ort im Besitz des Unternehmens, an dem die Pakete gelagert und für die Zustellung durch das Unternehmen selbst oder seine Subunternehmer sortiert werden

BELparcel Reporting Requirement

The aim of the Parcel Delivery Act of 17 December 2023 is to improve working conditions for couriers (parcel delivery workers) and to establish sustainable competition between parcel delivery service providers operating in the parcel delivery sector.

Each registered company has the obligation to report on its delivery activities every six months. Starting with the period from 1st of July 2024 to 31st of December 2024. The company is given until maximum a month after the end of the half-year period to send their report (respectively on the 31st January and 31st July).

The company must report the following information for the previous half year in the BELparcel online service:

- Name and contact details of the mandatory coordinator and any transport manager or holder of the transport manager's certificate of competence.
- The number of parcels delivered per direct subcontractor and the fees paid for these parcels per subcontractor. If the company is a subcontractor, the number of parcels and the amounts invoiced per principal.

- The addresses of all distribution centers.
- A brief description of the services provided.

More information on the can be found here :

- https://belparcel.be/en/which-obligations/half-yearly-report.html

General Functionality of the webservice

Available operations

The NSSO/BIPT offers a REST Web Service which allows companies (or their mandatary) to send a half yearly report.

The following operations are available:
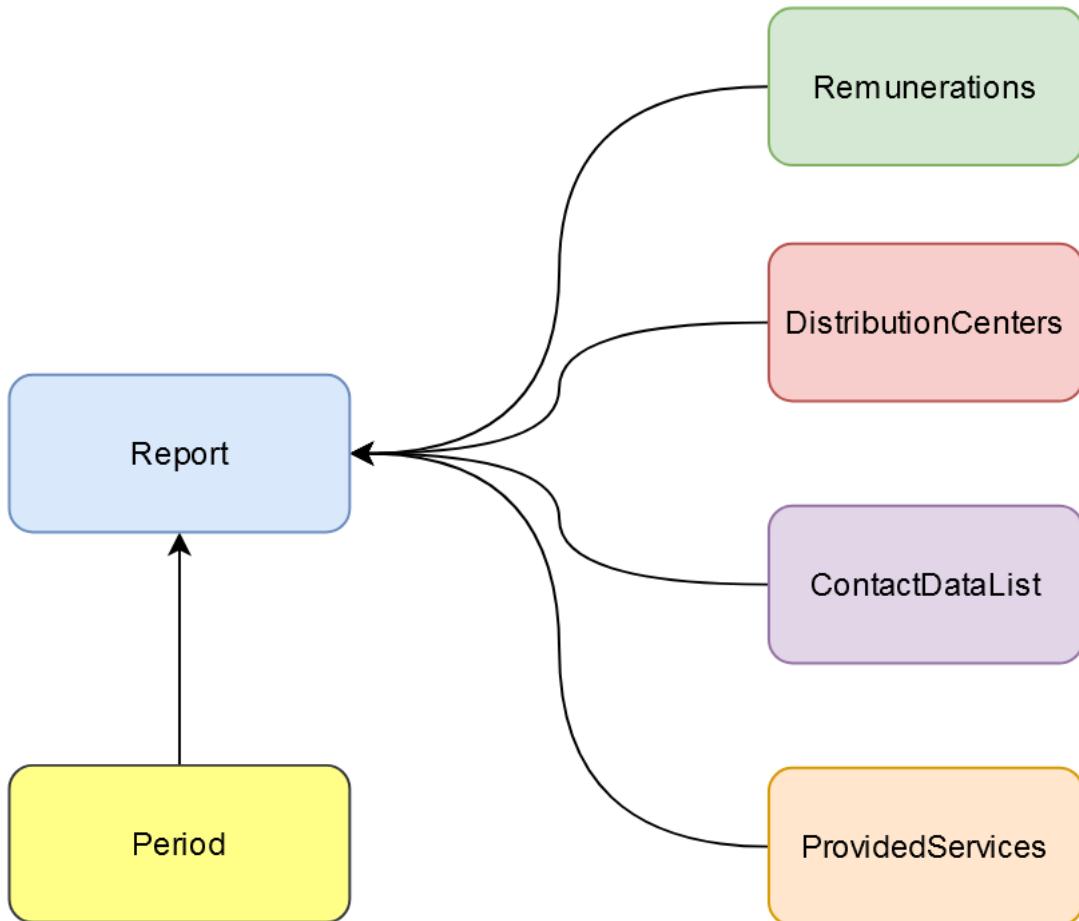
- Save and send a report: POST /reportsPOST /reports: Save and send a report
- Retrieve reporting periods: GET /periods
- Retrieve a specific report by its reference: GET /reports/reference
- Retrieve all the reports of a company: GET /reportsGET /reports: Retrieve all the reports of a company

Report

A report consists of the following

- Report: contains the general information such as the technical reference of the report, the status, …
- Period: the period for which the activities of the company are being reported. This contains the dates of the reporting period as well as the dates between which a report can be submitted.
- Remunerations: list the number of delivered parcels and the fees received/given for each direct subcontractor and principal of the company
- DistributionCenters : An array with the address information of each distribution center of the company
- ContactDataList : An array with the contact information of each contact persons responsible for deliveries in the company
- ProvidedServices : General information on the type of services the company provides

The "Period" section of the report is automatically generated by the BELparcel application.

Report Submission

Report Submission Flow

In order to be able to send a Report the company must first be registered. If the company has not yet been registered, this should be done first. More information on this process can be found here https://belparcel.be/en/which-obligations/registration-company.html .

At the start of each reporting period or when a company becomes registered, an empty report is automatically *'initiated'* for each registered company. This report can be retrieved using the GET /reports method.

This initiated report can be updated and submitted using the POST /reports method. The period for which the submission is done depends on the content of the period object provided in the body, more specifically it is derived based on the value of the *startYearMonth* property. Info on periods can be retrieved using GET /periods.

An intermediate version of a report can be sent with the status 'draft' until the end of the period. Once the report is considered complete, it can be sent with the status 'submitted'. Multiple submissions are allowed, and each new submission will overwrite the previous version of the report.

A 'submitted' report can only be submitted after the submissionStartDate
(report_period.submissionStartDate)
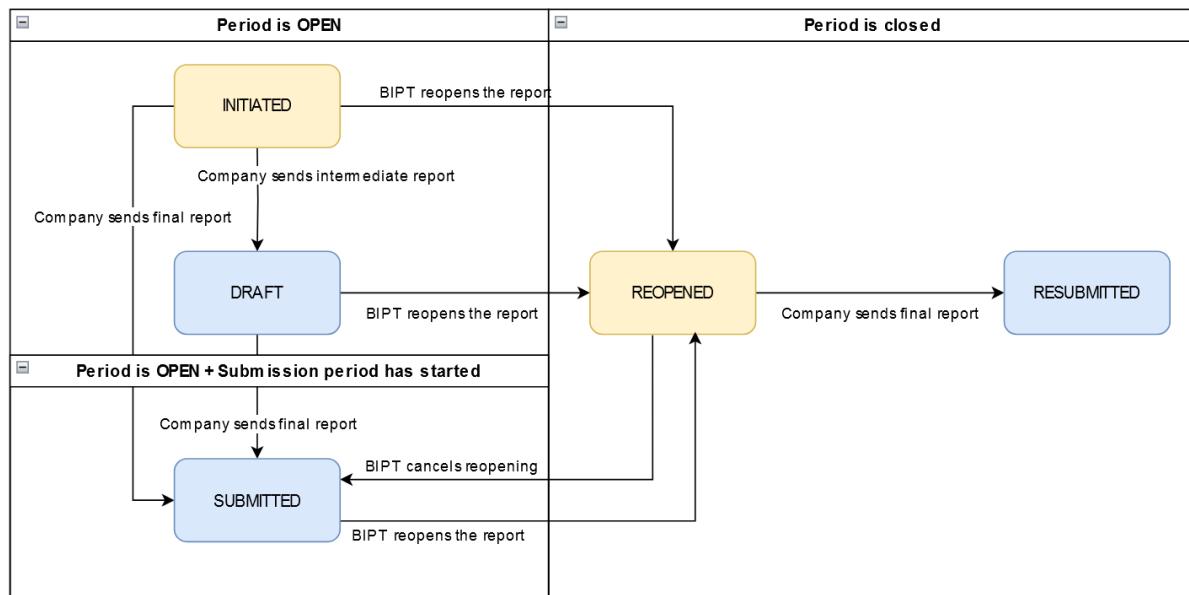
Since the report is overwritten it is important that the complete report is provided in each call to the
POST /reports method.

Attention, reports that do not have the status 'submitted' by the end of the reporting period are not
considered as valid reports.

In special cases, and upon request to BIPT, the report can be 'reopened' by BIPT. This allows a
company to make modifications and resent the report. The must then be sent again with the status
'*submitted*'.

For each report submitted with the status 'submitted', the BELparcel application will send a
confirmation of receipt via eBox.

Status Flow Diagram

API Documentation

This section explains how to use the various objects within the API. It provides details on each
object's properties, including their data types, whether they are mandatory, and any specific usage
guidelines.

Description of objects

In this chapter a description of the different objects is given, in the next chapter information is given
on properties to provide for each operation.

Periods

The **periods** object contain the information on the period to which a report belongs.

Properties	Description	Type	Format	Nullable
startYearMonth	The first month of the report	String(7)	YYYY-MM	No
endYearMonth	The last month of the report period.	String(7)	YYYY-MM	No
submissionStartDate	The starting date from which companies can start entering their report concerning the report period.	Date	ISO-8601	No
submissionEndDate	The end date from which companies can start entering their report concerning the report period	Date	ISO-8601	No
status	The status of the period: open or closed	String	Enum	

An example of the object

```
"period": {
  "startYearMonth": "2024-07,
  "endYearMonth": "2024-12",
  "submissionStartDate": "2024-07-01",
  "submissionEndDate": "2025-01-31",
  "status": "open"
}
```

Remunerations

The **remunerations** object is a list of **remuneration.**

A **remuneration** contains the information of the total fee, amount of parcel and role of the companies who acted as principal or subcontractor.

Properties	Description	Type	Format	Nullable	Information
enterpriseNumber	The CBE number of the company who distributed parcels on behalf of the company or the company on whose behalve parcels were distributed. **This can't be your own company number.**	String(10)	'^[0-1]\d{9}$'	No	

role	Indicates the relation the enterpriseNumber (mentioned above) has to the company. Possible values: • contractor: the company on whose behalf parcels are distributed • subcontractor: the subcontractor is the company which distributed parcels on behalf of your company	String(50)	Enum	No	
parcelAmount	The number of parcels that were delivered	Integer		No	Can be zero if status is DRAFT
fee	The fee that was paid for the delivery of the parcels. **This amount is in euro cent.**	Integer		No	Can be zero if status is DRAFT

The combination of *enterpriseNumber* and *role* has to be unique for each new renumeration.

An example of the object **Remunerations**.

```
"remunerations": [
  {
    "enterpriseNumber": "0206731645",
    "role": "contractor",
    "parcelAmount": 250,
    "fee": 10000
  }
]
```

DistributionCenters

The **distributionCenters** is a list of **distributionCenter** objects.

A **distributionCenter** is an object that contains all the information about a distribution center owned by the company.

Properties	Description	Type	Format	Nullable
name	Name used to distinguish the distribution center	String(255)	/	No

street	Street part of the address of the distribution center	String(255)	/	No
houseNumber	House number of the address	String(255)	/	No
boxNumber	Post box of the address	String(255)	/	Yes
municipality	City name of the address	String(255)	/	No
postCode	Postal code of the address	String(255)	/	No
countryIsoCode	ISO-code of the country of the address	String(2)	ISO-3166-1 alpha-2	No
comment	Free additional information on the distribution center	String(1000)	/	Yes

The name has to be unique for each distribution center.

An example of the **distributionCenters** objects:

```
"distributionCenters": [
  {
    "name": "Dockx Center",
    "street": "Main Street",
    "houseNumber": "123",
    "boxNumber": "4A",
    "municipality": "Brussels",
    "postCode": "1000",
    "countryIsoCode": "BE",
    "comment": "Primary distribution center"
  }
]
```

ContactDataList

The **contactDataList** is a list of **contactData** objects.

The **contactData** is an object describing a contact with its role within the company.

Properties	Description	Type	Format	Nullable	Information
role	The role the contact has within the company. Possible values: • coordinator • transportManager • licenseHolder It is by law required to have one transport manager.	String(50)	Enum	No	Max one contact of type 'coordinator' can be added. A report can be submitted without a coordinator but pay attention that legally one contact person with role coordinator is required.

contactData	the contactForm object	Object		No	

The **contactForm** object contains information related to the contact.

Properties	Description	Type	Format	Nullable
email	Email address of the contact person	String(320)		No
givenName	First name of the contact person	String(255)		Yes
familyName	Last name of the contact person	String(255)		No
phoneNumber	Phone number of the contact person	String(255)	'^\+[1-9]{1}[0-9]{3,14}$'	No
comment	Free additional information on the person	String(1000)		Yes

The combination of *email*, *role*, *familyName* and *phoneNumber* has to be unique.

An example of the **contactDataList** object:

```
"contactDataList": [
  {
    "role": "coordinator",
    "contactData": {
      "email": "john.doe@example.com",
      "givenName": "John",
      "familyName": "Doe",
      "phoneNumber": "+32472112233",
      "comment": "Primary contact for the belparcel reporting"
    }
  }
]
```

ProvidedServices

The **providedServices** is an object that contains the company's description of their services during the period of the report.

Properties	Description	Type	Format	Nullable	Information
serviceExpress	Indicates whether the company offers express service to their clients.	Boolean		Yes	
nationalExclusive	Indicates whether the company works exclusively within Belgium.	Boolean		Yes	

nightWeekendDelivery	Indicates whether the company makes deliveries at night or during the weekend.	Boolean		Yes	
packagesExclusive	Indicates whether the company exclusively delivers packages or other types of mail.	Boolean		Yes	
packagesExclusiveComment	Free field to clarify what other kind of deliveries are provided.	String(1000)		Yes	Can only be filled if packagesExclusive is 'false'
packageContentUnknown	Indicates whether the company is unaware of the types of goods being delivered as they do not know the content of the packages	Boolean		Yes	
typesOfGoods	Indicates the types of goods that are transported by the company. Possible values: • food • electronics • books • chemicals • medicins • textiles • other	Array of string	Enum	Yes	
typesOfGoodsOther	Free field to clarify what other types of goods are delivered. if the company selected "OTHER".	String(1000)		Yes	Can only be filled if typesOfGoods contains 'other'
transactionType	Indicates the type of transactions the enterprisecompany maintains. This field is in json format to allow a multiselect. Possible values: • c2x • b2c • b2b • unknown	Array of string	Enum	Yes	

All the properties of the *providedServices* are optional.

An example of the **ProvidedServices** object:

```
"providedServices": {
  "serviceExpress": true,
  "nationalExclusive": true,
```

```
  "nightWeekendDelivery": true,
  "packagesExclusive": false,
  "packagesExclusiveComment": "lorem ipsum",
  "typesOfGoods": [
    "food",
    "electronics",
    "other"
  ],
  "typesOfGoodsOther": "lorem ipsum",
  "packageContentUnknown": true,
  "transactionType": [
    "b2b",
    "c2x"
  ]
}
```

Reports

The **Reports** object is a list of the object **Report**

The object **Report** is the data related to the report and is structured as follow :

Properties	Description	Type	Format	Nullable
reference	Unique business key for a report. This key is created by BELparcel application.	String(12)		No
status	The status of the report. Possible values: • initiated: automatically created by the system • draft: in progress by the company • submitted: confirmed by the company • reopened: reopened by BIPT for resubmission	String(50)	Enum	No

	- by the company - resubmitted: confirmed by the company after the official submission period			
enterpriseNumber	CBE of the company being reported on. (Your company number)	String(10)	'^[0-1]\d{9}$'	No
notificationReference	The unique business key for the notification of the company	String(12)		Yes
submissionDate	Date and time on which the report was sent or resubmitted	Date-time	ISO-8601	Yes
resubmissionEndDate	Last day on which the company can resubmit their report if reopened by BIPT.	Date	ISO-8601	Yes
confirmedNoActivities	If 'true' the company confirms there are no activities to report for the period.	Boolean	/	No
confirmedNoProvidedServices	If 'true' the company confirms there are no provided services to report for the period.	Boolean	/	No
confirmedNoContactData	If 'true' the company confirms there are no contact data to report for the period	Boolean	/	No
confirmedNoContractor	If 'true' the company confirms there are no principal remunerationsto report for the period.	Boolean	/	No
confirmedNoSubcontractor	If 'true' the company confirms there are no subcontractor	Boolean	/	No

	remunerations to report for the period.			
confirmedNoDistributionCenter	If 'true' the company confirms there are no distribution centers to report for the period.	Boolean	/	No
remunerations	The remunerations of the company	Object		No
contactDataList	The contacts of the company	Object		No
distributionCenters	The distribution center of the company	Object		No
providedServices	The services provided by the company	Object		No
period	The period of the report	Object		No

An example of the object:

```
{
  "reference": "724001000001",
  "status": "draft",
  "enterpriseNumber": "0406798006",
  "submissionDate": "2024-09-12T12:00:00Z",
  "notificationReference": "924101716317",
  "confirmedNoActivities": false,
  "confirmedNoProvidedServices": false,
  "confirmedNoContactData": false,
  "confirmedNoContractor": false,
  "confirmedNoSubcontractor": true,
  "confirmedNoDistributionCenter": false,
  "remunerations": [
    {
      "enterpriseNumber": "0206731645",
      "role": "contractor",
      "parcelAmount": 250,
      "fee": 100000
    },
    {
```

```json
      "enterpriseNumber": "0243405860",

      "role": "subcontractor",

      "parcelAmount": 20,

      "fee": 10000

    }

  ],

  "contactDataList": [

    {

      "role": "coordinator",

      "contactData": {

        "email": "john.doe@example.com",

        "givenName": "John",

        "familyName": "Doe",

        "phoneNumber": "+32472112233",

        "comment": "Primary contact for the belparcel reporting"

      }

    }

  ],

  "distributionCenters": [

    {

      "name": "Dockx Center",

      "street": "Main Street",

      "houseNumber": "123",

      "boxNumber": "4A",

      "municipality": "Brussels",

      "postCode": "1000",

      "countryIsoCode": "BE",

      "comment": "Primary distribution center"

    }

  ],

  "providedServices": {

    "serviceExpress": true,

    "nationalExclusive": true,

    "nightWeekendDelivery": true,

    "packagesExclusive": false,

    "packagesExclusiveComment": "lorem ipsum",

    "typesOfGoods": [

      "food",

      "electronics"

    ],

    "packageContentUnknown": true,

    "transactionType": [
```

```
      "b2b",
      "c2x"
    ]
  },
  "period": {
    "startYearMonth": "2024-07",
    "endYearMonth": "2024-12",
    "submissionStartDate": "2024-07-01",
    "submissionEndDate": "2025-01-31",
    "status": "open"
  }
}
```

Description of endpoints

POST /reports

This operation enables the company to send a specific report. The request body of the call should contain the full content of the report.

If a report has already been previouslypreviouslysubmittedpreviously sent, this call will overwrite the existing data with the new information provided. So it Is important that for each POST call the full object is provided.

Request Body:

The *report*, *period*, *remunerations*, *contactDataList*, *distributionCenters*, and *providedServices* objects are to be provided for each call. However, not all data within these objects are required. More information below

Period:

This period is necessary for BELparcel to identify and verify that the correct report is being sent. This information can't be updated by the POST call.

Properties	Required	Information
startYearMonth	Yes	Report to update is derived based on this value
endYearMonth	No	
submissionStartDate	No	
submissionEndDate	No	

Remunerations:

The *remuneration* object covers the various remunerations included in the report.

Properties	Required	Extra Info
enterpriseNumber	Yes	Cross-checked with the CBE to validate its authenticity
role	Yes	Possible values: • contractor • subcontractor
parcelAmount	Yes	Can be zero if status is draft
fee	Yes	Can be zero if status is draft

The combination of *enterpriseNumbe*r and *role* are unique for each report.

DistributionCenters:

The *distributionCenters* property lists the company's distribution centers.

Properties	Required
name	Yes
street	Yes
houseNumber	Yes
boxNumber	No
municipality	Yes
postCode	Yes
countryIsoCode	Yes
comment	No

ContactDataList

The *ContactDataList* contains information about the company's contacts.

Properties	Required	Extra Info
role	Yes	Max one contact of type 'coordinator' can be added. A report can be submitted without a coordinator but pay attention that legally one contact person with role coordinator is required. Legally one contact person with role coordinator is required and maximally only one contact of type 'coordinator' can be added. Possible values: • coordinator • transportManager • licenseHolder
contactData	Yes	

The contactForm

Properties	Required
email	Yes
givenName	No
familyName	Yes
phoneNumber	Yes
comment	No

ProvidedServices

The *providedServices* property outlines the different services offered by the company.

Properties	Required	Extra Info
serviceExpress	No	
nationalExclusive	No	
nightWeekendDelivery	No	
packagesExclusive	No	
packagesExclusiveComment	No	Can only be filled if packagesExclusive is 'false'
typesOfGoods	No	Possible values: • food • electronics • books • chemicals • medicins • textiles • other
typesOfGoodsOther	No	Can only be filled if typesOfGoods contains 'other'
packageContentUnknown	No	
transactionType	No	Possible values: • b2b • b2c • c2x • unknown

Report:

Properties	Required	Extra Info
status	Yes	The following values can be used in the POST call:

		• draft: to save an intermediate version of the report. A report that is in status draft at the end of the reporting period is not considered valid. • submitted: To submit a version of the report. It is possible to submit a report multiple times, the previous report content is then overwritten. A report is only considered valid if it is in status submitted at the end of a reporting period. In case BIPT reopened a report on request, this 'submitted' status can be used to resubmit the report.
enterpriseNumber	Yes	
confirmedNoActivities	Yes	If no activities are to be declared for the period set this to 'true'
confirmedNoProvidedServices	Yes	If no information on services is to be declared for the period set this to 'true'. Should be 'true' if confirmedNoActivities is true.
confirmedNoContactData	Yes	If no contact information is to be declared for the period set this to 'true'. Should be 'true' if confirmedNoActivities is true.
confirmedNoContractor	Yes	If no principal information is to be declared for the period set this to 'true'. Should be 'true' if confirmedNoActivities is true.
confirmedNoSubcontractor	Yes	If no subcontractor information is to be declared for the period set this to 'true'. Should be 'true' if confirmedNoActivities is true.
confirmedNoDistributionCenter	Yes	If no distribution centers are to be declared for the period set this to 'true'. Should be 'true' if confirmedNoActivities is true.
remunerations	Yes	To be left empty if confirmedNoContractor and confirmedNoSubcontractor is true
contactDataList	Yes	To be left empty if confirmedNoContactData is true
distributionCenters	Yes	To be left empty if confirmedNoDistributionCenter is true
providedServices	Yes	To be left empty if confirmedNoProvidedServices is true
period	Yes	

The reference, submissionDate, resubmissionDate and notificationReference of the report object don't have to be present when using the POST.

Response:

The response body is the object Reports.

A comprehensive amount of validations are made on the input body. Information on possible detected errors can be found in the [error handling](#).

GET /periods

This operation returns the various periods along with their status: either **open** or **closed**.

- If a period is **open**, it indicates that a report for this period can still be sent.
- If a period is **closed**, it means the reporting period has ended, and any reports linked to it can only be consulted.

Request Body/Parameters:

Parameter	Description	Type	Required	Information
status	The status of the period. Possible values: • open • closed	query	No	If not provided all open and closed periods are returned

Response:

The response body is a list of the object [Period](#).

Error handling

Information on possible detected errors can be found in the [error handling](#).

GET /reports/{reference}

This operation returns a specific report based on a technical *reference.*

Request Body/Parameters:

Two parameters are needed to make this call:Parameter	Description	Type	Required
reference	The reference of the report	path	Yes
enterpriseNumber	The company CBE-number of the company to which the report belongs. Your company number should be provided here.	query	Yes

If status is not provided all periods are returned.

Response:

The response body is the object Report.

Error handling

Information on possible detected errors can be found in the error handling.

GET /reports

This operation returns all the reports for an company depending on the parameters given.

Request Body/Parameters:

The parameters of this call are :

Parameter	Description	Type	Required
enterpriseNumber	The company CBE-number of the company to which the report belongs. Your company number should be provided here.	query	Yes
periodStart	The first month of the period for which reports are to be returned. Format YYYY-MM	query	No
status	Filter reports by status. Possible values: • initiated • draft • submitted • reopened • resubmitted	query	No
detail	Include detailed information of the reports in the response such as the remunerations, the contacts data and the distribution centers. The default value is false	query	No

The *enterpriseNumber* is required to use this call.

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The *periodStart* and the *status* parameter are optional and can be used to filter reports by a period or a specific status type.

By default, reports are returned without detailed information, showing only the technical aspects. To include all details—such as remuneration, contact data, distribution centers, and provided services—the *detail* parameter must be set to *true*.

Response:

The response body is a list of the object Report.

Error handling

Information on possible detected errors can be found in the error handling.

Examples

POST /reports

POST /reports

With the request body:

```json
{
  "status": "submitted",
  "enterpriseNumber": "0406798006",
  "confirmedNoActivities": false,
  "confirmedNoProvidedServices": false,
  "confirmedNoContactData": false,
  "confirmedNoContractor": false,
  "confirmedNoSubcontractor": false,
  "confirmedNoDistributionCenter": false,
  "remunerations": [
    {
      "enterpriseNumber": "0206731645",
      "role": "contractor",
      "parcelAmount": 250,
      "fee": 1500000
    },
    {
      "enterpriseNumber": "0243405860",
      "role": "subcontractor",
      "parcelAmount": 20,
      "fee": 300000
    }
```

```json
      ],
    "contactDataList": [
        {
            "role": "coordinator",
            "contactData": {
                "email": "john.doe@example.com",
                "givenName": "John",
                "familyName": "Doe",
                "phoneNumber": "+32472112233",
                "comment": "Primary contact for the belparcel reporting"
            }
        },
        {
            "role": "transportManager",
            "contactData": {
                "email": "alice.doe@example.com",
                "givenName": "John",
                "familyName": "Alice",
                "phoneNumber": "+987654321",
                "comment": "Secondary contact for the belparcel reporting"
            }
        }
    ],
    "distributionCenters": [
        {
            "name": "Dockx Center",
            "street": "Main Street",
            "houseNumber": "123",
            "boxNumber": "4A",
            "municipality": "Brussels",
            "postCode": "1000",
            "countryIsoCode": "BE",
            "comment": "Primary distribution center"
        },
        {
            "name": "City 2 Center",
            "street": "Second Street",
            "houseNumber": "896",
            "boxNumber": "5",
            "municipality": "Anderlecht",
            "postCode": "1070",
            "countryIsoCode": "BE",
```

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```
      "comment": "Secondary distribution center"
    }
  ],
  "providedServices": {
    "serviceExpress": true,
    "nationalExclusive": true,
    "nightWeekendDelivery": true,
    "packagesExclusive": false,
    "packagesExclusiveComment": "lorem ipsum",
    "typesOfGoods": [
      "food",
      "electronics"
    ],
    "packageContentUnknown": true,
    "transactionType": [
      "b2b",
      "c2x"
    ]
  },
  "period": {
    "startYearMonth": "2024-07"
  }
}
```

The response body:

```
{
  "reference": "724001000001",
  "status": "submitted",
  "enterpriseNumber": "0406798006",
  "submissionDate": "2024-09-12T12:00:00Z",
  "notificationReference": "924101716317",
  "confirmedNoActivities": false,
  "confirmedNoProvidedServices": false,
  "confirmedNoContactData": false,
  "confirmedNoContractor": false,
  "confirmedNoSubcontractor": false,
  "confirmedNoDistributionCenter": false,
  "remunerations": [
    {
      "enterpriseNumber": "0206731645",
      "role": "contractor",
      "parcelAmount": 250,
      "fee": 1500000
```

```
    },
    {
      "enterpriseNumber": "0243405860",
      "role": "subcontractor",
      "parcelAmount": 20,
      "fee": 300000
    }

  ],
  "contactDataList": [
    {
      "role": "coordinator",
      "contactData": {
        "email": "john.doe@example.com",
        "givenName": "John",
        "familyName": "Doe",
        "phoneNumber": "+32472112233",
        "comment": "Primary contact for the belparcel reporting"
      }
    },
    {
      "role": "transportManager",
      "contactData": {
        "email": "alice.doe@example.com",
        "givenName": "John",
        "familyName": "Alice",
        "phoneNumber": "+987654321",
        "comment": "Secondary contact for the belparcel reporting"
      }
    }
  ],
  "distributionCenters": [
    {
      "name": "Dockx Center",
      "street": "Main Street",
      "houseNumber": "123",
      "boxNumber": "4A",
      "municipality": "Brussels",
      "postCode": "1000",
      "countryIsoCode": "BE",
      "comment": "Primary distribution center"
    },
```

```json
    {
      "name": "City 2 Center",
      "street": "Second Street",
      "houseNumber": "896",
      "boxNumber": "5",
      "municipality": "Anderlecht",
      "postCode": "1070",
      "countryIsoCode": "BE",
      "comment": "Secondary distribution center"
    }
  ],
  "providedServices": {
    "serviceExpress": true,
    "nationalExclusive": true,
    "nightWeekendDelivery": true,
    "packagesExclusive": false,
    "packagesExclusiveComment": "lorem ipsum",
    "typesOfGoods": [
      "food",
      "electronics"
    ],
    "packageContentUnknown": true,
    "transactionType": [
      "b2b",
      "c2x"
    ]
  },
  "period": {
    "startYearMonth": "2024-07",
    "endYearMonth": "2024-12",
    "submissionStartDate": "2024-07-01",
    "submissionEndDate": "2025-01-31",
    "status": "open"

  }
}
```

GET /periods

GET /periods?status=open&status=closed

If the call is successful, the response will contain the report object corresponding to the reference and enterpriseNumber. If the call fails, error messages will be provided.

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The response body is a list of the object Period.

```
[
  {
    "startYearMonth": "2024-07",
    "endYearMonth": "2024-12",
    "submissionStartDate": "2024-07-01",
    "submissionEndDate": "2025-01-31",
    "status": "open",
  },
  {
    "startYearMonth": "2024-01",
    "endYearMonth": "2024-06",
    "submissionStartDate": "2024-01-01",
    "submissionEndDate": "2024-07-31",
    "status": "closed",
  }
]
```

GET /reports/reference

GET /reports/724001000002?enterpriseNumber=0406798006

If the call is successful, the response will contain the report object corresponding to the reference and enterpriseNumber. If the call fails, error messages will be provided.

```
{
  "reference": "724001000002",
  "status": "submitted",
  "enterpriseNumber": "0406798006",
  "submissionDate": "2024-10-01T12:00:00Z ",
  "notificationReference": "924101716317",
  "confirmedNoActivities": false,
  "confirmedNoProvidedServices": false,
  "confirmedNoContactData": false,
  "confirmedNoContractor": false,
  "confirmedNoSubcontractor": false,
  "confirmedNoDistributionCenter": false,
  "remunerations": [
    {
      "enterpriseNumber": "0206731645",
      "role": "contractor",
      "parcelAmount": 250,
      "fee": 100000
    },
```

```json
    {
      "enterpriseNumber": "0243405860",
      "role": "subcontractor",
      "parcelAmount": 20,
      "fee": 300000
    }

  ],
  "contactDataList": [
    {
      "role": "coordinator",
      "contactData": {
        "email": "john.doe@example.com",
        "givenName": "John",
        "familyName": "Doe",
        "phoneNumber": "+123456789",
        "comment": "Primary contact for the belparcel reporting"
      }
    },
    {
      "role": "transportManager",
      "contactData": {
        "email": "alice.doe@example.com",
        "givenName": "John",
        "familyName": "Alice",
        "phoneNumber": "+987654321",
        "comment": "Secondary contact for the belparcel reporting"
      }
    }
  ],
  "distributionCenters": [
    {
      "name": "Dockx Center",
      "street": "Main Street",
      "houseNumber": "123",
      "boxNumber": "4A",
      "municipality": "Brussels",
      "postCode": "1000",
      "countryIsoCode": "BE",
      "comment": "Primary distribution center"
    },
    {
```

```json
      "name": "City 2 Center",
      "street": "Second Street",
      "houseNumber": "896",
      "boxNumber": "5",
      "municipality": "Anderlecht",
      "postCode": "1070",
      "countryIsoCode": "BE",
      "comment": "Secondary distribution center"
    }
  ],
  "providedServices": {
    "serviceExpress": true,
    "nationalExclusive": true,
    "nightWeekendDelivery": true,
    "packagesExclusive": false,
    "packagesExclusiveComment": "the product are flammable",
    "typesOfGoods": [
      "food",
      "electronics"
    ],
    "typesOfGoodsOther": null,
    "packageContentUnknown": true,
    "transactionType": [
      "b2b",
      "c2x"
    ]
  },
  "period": {
    "startYearMonth": "2024-07",
    "endYearMonth": "2024-12",
    "submissionStartDate": "2024-07-01",
    "submissionEndDate": "2025-01-31",
    "status": "open"
  }
}
```

GET /reports/

GET /reports?enterpriseNumber=0406798006&status=submitted&detail=false

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If the call is successful, the response will contain the reports object corresponding to all the report linked to the enterpriseNumber and the filter used. If the call fails, error messages will be provided.

```
[
{
  "reference": "724001000001",
  "status": "submitted",
  "enterpriseNumber": "0406798006",
  "notificationReference": "924101716497",
  "submissionDate": "2024-07-12T12:00:00Z",
  "period": {
    "startYearMonth": "2024-01",
    "endYearMonth": "2024-06",
    "submissionStartDate": "2024-01-01",
    "submissionEndDate": "2024-07-31",
    "status": "closed"
  }
},
{
  "reference": "724001000002",
  "status": "submitted",
  "enterpriseNumber": "0406798006",
  "submissionDate": "2024-10-01T12:00:00Z",
  "notificationReference": "924101716317",
  "period": {
    "startYearMonth": "2024-07",
    "endYearMonth": "2024-12",
    "submissionStartDate": "2024-07-01",
    "submissionEndDate": "2025-01-31",
    "status": "open"
  }
}
]
```

Error Handling

Error Message

The error messaging provides a detailed description of the error in the response.

Some clarification is given for more complex errorserrors below.

Code	Detail	Description

403	Company is not registered	A report can only be sent for an company that has been registered. Information on how to become registered can be found here: https://belparcel.be/en/which-obligations/registration-company.html
403	Missing scope	This error occurs when there is an issue with the authentication of the services. Scopes can be retrieved via channel management: - https://www.socialsecurity.be/site_fr/employer/applics/chaman/index.htm - https://www.socialsecurity.be/site_nl/employer/applics/chaman/index.htm
403	Forbidden	The company does not have access to the data. A company can only access data of its own company. A mandatary requires a mandate for the application group 'BELPARCEL' which can be requested via Mahis: - https://www.socialsecurity.be/site_fr/employer/applics/mahis/index.htm - https://www.socialsecurity.be/site_nl/employer/applics/mahis/index.htm

Validation checks for POST /report operation

For the POST /reports operation validation checks are done on the data provided in the body of the POST call. The application will try to validate the whole body and will return multiple validation errors in case there is more than 1 error.

Error	Description
REP00001	The new status is not allowed. See Status Flow Diagram for more info
REP00002	The period is closed
REP00003	ConfirmedNoActivities is true (false) but one of the booleans ConfirmedNoContractor, ConfirmedNoSubcontractor, ConfirmedNoContactData, ConfirmedNoProvidedServices, ConfirmedNoDistributionCenter is false (true)
REP00004	The enterprise [enterpriseNumber] is not in the company registryfound in the CBE: https://kbopub.economie.fgov.be/kbopub/zoeknummerform.html?lang=en
REP00005	The [enterpriseNumber] with [role] is not unique
REP00006	ConfirmedNoContractor is set to true (false) but the report contains (doesn't contain) remunerations with role contractor
REP00007	ConfirmedNoSubContractor is set to true (false) but the report contains (doesn'(contain) remunerations with role subcontractor
REP00008	The renumeration for [enterpriseNumber] has no fee or no parcelAmount or both
REP00009	Only one contact data with the role coordinator is allowed

REP00010	At least one contact data with the role coordinator is required
REP00011	In the contact data, the record with [role] and [email] of [role] is not unique
REP00012	ConfirmedNoContactData is set to true (false) but the report contains (doesn't contain) contactData
REP00013	TypesOfGoodsOther is filled (not filled) but typesOfGoods doesn't contain (contain) the option other
REP00014	PackagesExclusiveComment is filled (not filled) but packagesExclusive is set to true (false)
REP00015	ConfirmedNoProvidedServices is set to true (false) but the report contains (doesn't contain) ProvidedServices
REP00016	ConfirmedNoDistributionCenter is set to false (true) but the report doesn't contain (contain) distributionCenters
REP00017	The distribution center [name] is not unique

Environment Information

BELparcel will provide two environments in order to integrate with the webservice:

- A **simulation** environment for companies to use for development and testing of their integration solutions.
- The **production** environment for the actual integration with the BELparcel platform.

The URL of the **simulation** environment is the following:

- Service REST BELparcel: https://services-sim.socialsecurity.be/REST/belParcel/v1/

The URL of the **production** environment is the following:

Service REST BELparcel: https://services.socialsecurity.be/REST/belParcel/v1/

To be able to connect to the service, more information can be found : https://www.rest-documentation.socialsecurity.be/.

To test the REST service in the **simulation** environment, the same token used in the **production** environment must be applied.

Service Availability and performance

For the production environment of the BELparcel webservice, Smals guarantees a target availability of 99%.

These SLAs are guaranteed from Monday to Friday from 07:00 to 19:00. Outside of these hours, the webservice's uptime is reduced to 97,5%.

Contact

In case of issues with authentication the contact center is available for assistance. For information on how to contact them, see:

- https://www.socialsecurity.be/site_nl/employer/general/contactcenter/index.htm?targetApplics=chaman
- https://www.socialsecurity.be/site_fr/employer/general/contactcenter/index.htm?targetApplics=chaman

In case of functional or technical questions about the BELparcel webservice and platform itself, please contact :

- supportbelparcel@smals.be