

Catena Webservice

History of change

Versie	Datum	Beschrijving	Auteur(s)
1.0	26/06/2025	Initial version	Smals

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Goal of the document

This document describes the technical specifications of the web service of the Catena platform of the NSSO. 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 legal obligation to register and maintain the chain of subcontractors

Lexicon

NSSO	National Social Security Office
RSZ	Rijksdienst voor Sociale Zekerheid
ONSS	Office national de Sécurité sociale
ENSS	Landesamt für Soziale Sicherheit
CBE	Crossroads Bank for Enterprises
KBO	Kruispuntbank van Ondernemingen
BCE	Banque Carrefour des Entreprises
ZDU	Zentrale Datenbank der Unternehmen

Catena declaration 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 register its hierarchy of subcontractors and has the obligation to keep it up to date

General Functionality of the webservice

Available operations

The NSSO offers a REST Web Service which allows companies to consult or manage their own chain of subcontractors or consult the chains of subcontractors in which they have been declared by others.

The following operations are available:

- Create a new declaration: POST /declarations
- Create a new contract: POST/declarations/{declarationId}/contracts
- Update an existing contract: PUT/contracts/{contractId}
- Search an existing contract: POST/contracts/search
- Create a new subcontracting relationship: POST/contracts/{contractId}/subcontractingRelationships
- Update an existing subcontracting relationship:
PUT/subcontractingRelationships/{subcontractingRelationshipId}
- Delete an existing subcontracting relationship:
DELETE/subcontractingRelationships/{subcontractingRelationshipId}
- Search an existing subcontracting relationship: POST/subcontractingRelationship/search
- Get remarks of a contract: GET/contracts/{contractId}/remarks
- Get remarks of a subcontracting relationship:
GET/subcontractingRelationships/{subcontractingRelationshipId}/remarks
- Retrieve all declaration context codes and labels: GET/refData/declarationContexts
- Return a declaration context by its code: GET/refData/declarationContext/{declarationContextCode}
- Retrieve all remarks codes and descriptions: GET/refData/remarks
- Return a remark by its code: GET/refData/remarks/{remarkCode}

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.

Declaration

Description

Representation of a declaration.

Properties

Properties	Description	Type	Format	Nullable	Information
id	Reference of a particular declaration ; must contain 13 characters (digits or letters (no 'i' and 'o'))	String(13)	^[A-HJ-NP-Z0-9]{13}\$	Yes	Example: 1Y1012345678P
context	Code of the RefData, all accepted values can be fetched by /refData/declarationContexts request	String	Enum	No	
purpose	Indicates if the works are of a continuous nature or for a specific period of time. When context is delivery the purpose is always continuous	String	Enum specific continuous	No	

Example

```
"declaration": {  
  "id": "1Y1012345678P",  
  "context": "delivery",  
  "purpose": "continuous"  
}
```

DeclarationContextList

Description

Ref data ; code & its i18n labels (FR/NL/DE/EN)

Properties

Properties	Description	Type	Format	Nullable	Information
items	List of available contexts	Array (DeclarationContext)		Yes	

Example

```
{
  "items": [
    {
      "code": "delivery",
      "label": {
        "nl": "string",
        "fr": "string",
        "de": "string",
        "en": "string"
      }
    }
  ]
}
```

DeclarationContext

Description

Ref data ; code & its i18n labels (FR/NL/DE/EN)

Properties

Properties	Description	Type	Format	Nullable	Information
code	Code of the RefData, all accepted values can be fetched by /refData/declaratoinContexts request	String	^[A-Za-z0-9]{1,50}\$	Yes	
label	A description specified in multiple languages	Object (LocalizedString)		Yes	

Example

```
{
  "code": "delivery",
  "label": {
    "nl": "string",
    "fr": "string",
    "de": "string",
    "en": "string"
  }
}
```

RemarkRefList

Description

Ref data ; code & its i18n description (FR/NL/DE/EN)

Properties

Properties	Description	Type	Format	Nullable	Information
item	List of available Remarks	Array (RemarkRef)		Yes	

Example

```
{
  "items": [
    {
      "code": "actor_bankruptcy",
      "description": {
        "nl": "string",
        "fr": "string",
        "de": "string",
        "en": "string"
      }
    }
  ]
}
```

RemarkRef

Description

Ref data ; code & its i18n description (FR/NL/DE/EN)

Properties

Properties	Description	Type	Format	Nullable	Information
code	Code of the RefData, all accepted values can be fetched by /refData/Remarks request	String	^(?=[1,50}\$)([a-z0-9][a-z0-9_]*)\$	Yes	
description	A description specified in multiple languages	Object (LocalizedString)		Yes	

Example

```
{
  "code": "actor_bankruptcy",
  "description": {
    "nl": "string",
    "fr": "string",
    "de": "string",
    "en": "string"
  }
}
```

RemarkDetailRef

Description

Ref data ; code, its i18n description & its i18n resolution (FR/NL/DE/EN)

Properties

Properties	Description	Type	Format	Nullable	Information
code	Code of the RefData, all accepted values can be fetched by /refData/Remarks request	String	^(?=.{1,50}\$)(([a-z0-9][a-z0-9_]*)\$	Yes	
description	A description specified in multiple languages	Object (LocalizedString)		Yes	
resolution	A description specified in multiple languages	Object (LocalizedString)		Yes	

Example

```
{
  "code": "actor_bankruptcy",
  "description": {
    "nl": "string",
    "fr": "string",
    "de": "string",
    "en": "string"
  },
  "resolution": {
    "nl": "string",
    "fr": "string",
    "de": "string",
    "en": "string"
  }
}
```

DeclarationCreation

Description

Data required to create a declaration along with a new contract and its corresponding subcontracting relationship

Properties

Properties	Description	Type	Format	Nullable	Information
declaration	Representation of a declaration	Object (Declaration)		No	
contract	Data required to create a contract and its corresponding subcontracting relationship	Object (ContractCreation)		No	

Example

```
{
  "declaration": {
    "context": "delivery",
    "purpose": "continuous"
  },
  "contract": {
    "contractor": {
      "enterpriseNumber": "0206731645"
    },
    "contact": {
      "givenName": "John",
      "familyName": "Doe",
      "telephone": "+32 475 12 34 56",
      "email": "johnDoe@outlook.com"
    },
    "comment": "Comment of the contract"
  }
}
```

DeclarationSearchCriteria

Description

Criteria to search a declaration

Properties

Properties	Description	Type	Format	Nullable	Information
id	Reference of a particular declaration ; must contain 13 characters (digits or letters (no 'i' and 'o')).	String(13)	^[A-HJ-NP-Z0-9]{13}\$	No	
context	Code of the RefData, all accepted values can be fetched by /refData/declarationContexts request	String	Enum	No	
purpose	Indicates if the works are of a continuous nature or for a specific period of time. When context is delivery the purpose is always continuous	String	Enum	No	

Example

```
{
  "criteria": {
    "declaration": {
      "id": "1Y1012345678P",
      "context": [
        "delivery"
      ],
      "purpose": "continuous"
    }
  }
}
```

Contract

Description

Representation of a work contract

Properties

Properties	Description	Type	Format	Nullable	Information
id	Reference of a contract (starts the same way as the declaration's suffixed with an incremental index)	String	^[A-HJ-NP-Z0-9]{13}/\d+\$	Yes	Example: 1Y1012345678P/1
subcontractingRelationshipId	Reference of a subcontracting relationship	String	^[a-z0-9]+(\.[a-z0-9]+)*\$	Yes	Readonly
contractor	Represent an entity in the service supply chain, either as a service provider, a subordinate or a subcontractor	Object (Actor)		Yes	
contact	Contact details of a person such as names, email and phone number	Object (Contact)		Yes	
declaration	Representation of a declaration	Object (Declaration)		Yes	

Example

```
{
  "id": "1Y1012345678P/1",
  "subcontractingRelationshipId": "wbqyn68.pm9vk",
  "contractor": {
    "enterpriseNumber": "0206731645",
    "name": "string"
  },
  "contact": {
    "givenName": "John",
    "familyName": "Doe",
    "telephone": "+32 475 12 34 56",
    "email": "johnDoe@outlook.com"
  },
  "declaration": {
    "id": "1Y1012345678P",
    "context": "delivery",
    "purpose": "continuous"
  }
}
```

ContractCreation

Description

Data required to create a contract and its corresponding subcontracting relationship

Properties

Properties	Description	Type	Format	Nullable	Information
id	Reference of a contract (starts the same way as the declaration's suffixed with an incremental index)	String	^[A-HJ-NP-Z0-9]{13}\/\d+\$	Yes	Example: 1Y1012345678P/1
subcontractingRelationshipId	Reference of a subcontracting relationship	String	^[a-z0-9]+(\/\.[a-z0-9]+)*\$	Yes	Readonly
contractor	Represent an entity in the service supply chain, either as a service provider, a subordinate or a subcontractor	Object (Actor)		Yes	
contact	Contact details of a person such as names, email and phone number	Object (Contact)		Yes	

Example

```
{
  "contractor": {
    "enterpriseNumber": "0206731645"
  },
  "contact": {
    "givenName": "John",
    "familyName": "Doe",
    "telephone": "+32 475 12 34 56",
    "email": "johnDoe@outlook.com"
  }
}
```

ContractUpdate

Description

Data required to update a contract

Properties

Properties	Description	Type	Format	Nullable	Information
contact	Contact details of a person such as names, email and phone number. Not mandatory in case of declaration context is delivery	String		Yes	Example: 1Y1012345678P/1

Example

```
{
  "contact": {
    "givenName": "John",
    "familyName": "Doe",
    "telephone": "+32 475 12 34 56",
    "email": "johnDoe@outlook.com"
  }
}
```

ContractSearch

Description

Search criteria for a contract

Properties

Properties	Description	Type	Format	Nullable	Information
criteria	Criteria to search contracts	Object (ContractSearchCriteria)		No	
sort	Option to sort the search results	Object (ContractSort)		Yes	

Example

```
{
  "criteria": {
    "id": "1Y1012345678P/1",
    "enterpriseNumber": "0206731645",
    "declaration": {
      "id": "1Y1012345678P",
      "context": [
        "delivery"
      ],
      "purpose": "continuous"
    }
  },
  "sort": {
    "direction": "asc",
    "property": "id"
  }
}
```

ContractSearchCriteria

Description

Criteria to search contracts

Properties

Properties	Description	Type	Format	Nullable	Information
id	Reference of a contract (starts the same way as the declaration's suffixed with an incremental index)	String	^[A-HJ-NP-Z0-9]{13}/\d+\$	Yes	Example: 1Y1012345678P/1
enterpriseNumber	Identifier issued by CBE for a registered organization (must be valid) https://economie.fgov.be/fr/themes/entreprises/banque-carrefour-des/actualites/structure-du-numero Search results are filtered according to the user's access rights.	String	^[0-1]\d{9}\$	Yes	Example: 0206731645
declaration	Criteria to search a declaration	Object (DeclarationSearchCriteria)		Yes	

Example

```
"criteria": {  
  "id": "1Y1012345678P/1",  
  "enterpriseNumber": "0206731645",  
  "declaration": {  
    "id": "1Y1012345678P",  
    "context": [  
      "delivery"  
    ],  
    "purpose": "continuous"  
  }  
}
```

ContractSort

Description

Criteria to sort search result of contractsearch

Properties

Properties	Description	Type	Format	Nullable	Information
direction	Sorting direction of the search results	String	Enum: - asc - desc	Yes	
property	Property on which to sort	String	Enum: - id	No	Default: id

Example

```
"sort": {  
  "direction": "asc",  
  "property": "id"  
}
```

ContractPage

Description

List of contracts paginated

Properties

Properties	Description	Type	Format	Nullable	Information
SearchResultPage	Pagination details of the search results	Object (SearchResultPage)			
Items	Search results	Array (Contract)			
Sort	Sorting criteria of the search results	Object (ContractSort)			

Example

```
{
  "first": "string",
  "last": "string",
  "prev": "string",
  "next": "string",
  "page": 0,
  "pageSize": 0,
  "total": 0,
  "totalPages": 0,
  "items": [
    {
      "id": "1Y1012345678P/1",
      "subcontractingRelationshipId": "wbqyn68.pm9vk",
      "contractor": {
        "enterpriseNumber": "0406798006",
        "name": "string"
      },
      "contact": {
        "givenName": "John",
        "familyName": "Doe",
        "telephone": "+32 475 12 34 56",
        "email": "johnDoe@outlook.com"
      },
      "declaration": {
        "id": "1Y1012345678P",
        "context": "delivery",
        "purpose": "continuous"
      },
      "comment": "Comment of the contract"
    }
  ],
  "sort": {
    "direction": "asc",
    "property": "id"
  }
}
```

SubcontractingRelationshipBase

Description

Criteria to search contracts

Properties

Properties	Description	Type	Format	Nullable	Information
parent	The parent id must be linked to a company other than the one concerned by this relationship.	Object (SubcontractingRelationshipParent)		Yes	
startDate	The start date must fall within the intervention period of the parent relationship (if any). Can be in the past, but must respect the date rule above.	String(\$date)		No	
endDate	Mandatory if the purpose of the declaration is "specific". The end date must fall within the intervention period of the parent relationship (if any). Cannot be before the start date.	String(\$date)		Yes	

Example

```
{
  "parent": {
    "id": "wbqyn68.pm9vk",
    "subContractor": {
      "enterpriseNumber": "0206731645",
      "name": "string"
    }
  },
  "startDate": "2025-05-21",
  "endDate": "2025-05-21",
}
```

SubcontractingRelationship

Description

Represent a subcontracting relationship

Properties

Properties	Description	Type	Format	Nullable	Information
parent	The parent id must be linked to a company other than the one concerned by this relationship.	Object (SubcontractingRelationshipParent)		Yes	
startDate	The start date must fall within the intervention period of the parent relationship (if any). Can be in the past, but must respect the date rule above.	String(\$date)		No	
endDate	Mandatory if the purpose of the declaration is "specific". The end date must fall within the intervention period of the parent relationship (if any). Cannot be before the start date.	String(\$date)		Yes	
id	Reference of a subcontracting relationship	String	^[a-z0-9]+(\.[a-z0-9]+)*\$	Yes	Example: wbqyn68.pm9vk
subContractor	If the parent is empty, the subContractor represents the contractor linked to the main contract.	Object (Actor)			

Example

```
{
  "parent": {
    "id": "wbqyn68.pm9vk",
    "subContractor": {
      "enterpriseNumber": "0206731645",
      "name": "string"
    }
  },
  "startDate": "2025-05-21",
  "endDate": "2025-05-21",
  "id": "wbqyn68.pm9vk",
  "subContractor": {
    "enterpriseNumber": "0206731645",
    "name": "string"
  }
}
```

SubcontractingRelationshipParent**Description**

The parent id must be linked to a company other than the one concerned by this relationship.

Properties

Properties	Description	Type	Format	Nullable	Information
id	Reference of a subcontracting relationship	String	^[a-z0-9]+(\.[a-z0-9]+)*\$	No	example: wbqyn68.pm9vk
subContractor	Represent an entity in the service supply chain, either as a service provider, a subordinate or a subcontractor.	Object (Actor)		No	

Example

```
"id": "wbqyn68.pm9vk",  
"subContractor": {  
  "enterpriseNumber": "0206731645",  
  "name": "string"  
}
```

SubcontractingRelationshipCreation

Description

Data required to create a subcontracting relationship

Properties

Properties	Description	Type	Format	Nullable	Information
parent	The parent id must be linked to a company other than the one concerned by this relationship.	Object (SubcontractingRelationshipParent)		No	
startDate	The start date must fall within the intervention period of the parent relationship (if any). Can be in the past, but must respect the date rule above.	String(\$date)		No	
endDate	Mandatory if the purpose of the declaration is "specific". The end date must fall within the intervention period of the parent relationship (if any). Cannot be before the start date.	String(\$date)		Yes	
subContractor	Represent an entity in the service supply chain, either as a service provider, a subordinate or a subcontractor.	Object (Actor)		No	

Example

```
{
  "parent": {
    "id": "wbqyn68.pm9vk"
  },
  "startDate": "2025-05-21",
  "endDate": "2025-05-21",
  "subContractor": {
    "enterpriseNumber": "0206731645"
  }
}
```

SubcontractingRelationshipUpdate

Description

Data required to update a subcontracting relationship

Properties

Properties	Description	Type	Format	Nullable	Information
parent	The parent id must be linked to a company other than the one concerned by this relationship.	Object (SubcontractingRelationshipParent)		No	
startDate	The start date must fall within the intervention period of the parent relationship (if any). Can be in the past, but must respect the date rule above.	String(\$date)		No	
endDate	Mandatory if the purpose of the declaration is "specific". The end date must fall within the intervention period of the parent relationship (if any). Cannot be before the start date.	String(\$date)		Yes	
subContractor	Represent an entity in the service supply chain, either as a service provider, a subordinate or a subcontractor.	Object (Actor)		Yes	

Example

```
{
  "parent": {
    "id": "wbqyn68.pm9vk"
  },
  "startDate": "2025-05-21",
  "endDate": "2025-05-21"
}
```

SubcontractingRelationshipSearch

Description

Search criteria for a subcontracting relationship

Properties

Properties	Description	Type	Format	Nullable	Information
criteria	Search criteria used to identify the desired search results	Object (SubcontractingRelationshipSearchCriteria)		No	

Example

```
{
  "criteria": {
    "id": "wbqyn68.pm9vk",
    "declaration": {
      "id": "1Y1012345678P",
      "context": [
        "delivery"
      ],
      "purpose": "continuous"
    },
    "contractId": "1Y1012345678P/1",
    "parent": {
      "id": "wbqyn68.pm9vk"
    },
    "subContractor": {
      "enterpriseNumber": "0206731645"
    }
  }
}
```

SubcontractingRelationshipSearchCriteria

Description

Search criteria for a subcontracting relationship

Properties

Properties	Description	Type	Format	Nullable	Information
id	Reference of a subcontracting relationship	String	<code>^[a-z0-9]+(\.[a-z0-9]+)*\$</code>	Yes	Example: wbqyn68.pm9vk
declaration	Criteria to search declaration	Object (DeclarationSearchCriteria)		Yes	
contractId	Reference of a contract (starts the same way as the declaration's suffixed with an incremental index)	String	<code>^[A-HJ-NP-Z0-9]{13}/\d+\$</code>	Yes	Example: 1Y1012345678P/1
parent	The parent id must be linked to a company other than the one concerned by this relationship.	Object (DeclarationReference)		No	
subContractor	Represent an entity in the service supply chain, either as a service provider, a subordinate or a subcontractor.	Object (Actor)		No	

Example

```
{
  "criteria": {
    "id": "wbqyn68.pm9vk",
    "declaration": {
      "id": "1Y1012345678P",
      "context": [
        "delivery"
      ],
      "purpose": "continuous"
    },
    "contractId": "1Y1012345678P/1",
    "parent": {
      "id": "wbqyn68.pm9vk"
    },
    "subContractor": {
      "enterpriseNumber": "0206731645"
    }
  }
}
```

SubcontractingRelationshipPage

Description

List of subcontracting relationships paginated

Properties

Properties	Description	Type	Format	Nullable	Information
SearchResultPage	Pagination details of the search results	Object (SearchResultPage)			
Items	List of search results	Array (SubcontractingRelationship)			

Example

```
{
  "first": "string",
  "last": "string",
  "prev": "string",
  "next": "string",
  "page": 0,
  "pageSize": 0,
  "total": 0,
  "totalPages": 0,
  "items": [
    {
      "parent": {
        "id": "wbqyn68.pm9vk",
        "subContractor": {
          "enterpriseNumber": "0406798006",
          "name": "string"
        }
      },
      "startDate": "2025-06-05",
      "endDate": "2025-06-05",
      "id": "wbqyn68.pm9vk",
      "subContractor": {
        "enterpriseNumber": "0406798006",
        "name": "string"
      }
    }
  ]
}
```

Remark

Description

Representation of a remark

Properties

Properties	Description	Type	Format	Nullable	Information
code	Reference of a remark	String		Yes	Example: UNKNOWN_ENTERPRISE
description	Description of the remark. Translated according to the Accept-Language HTTP header, with French as the default locale.	String		Yes	Example: The enterprise does not exist in the CBE.
resolution	A suggested course of action that can help address the issue. This field may be empty. This field contains HTML content. Translated according to the Accept-Language HTTP header, with French as the default locale.	String		Yes	Example: Change the enterprise responsible for this subcontracting relationship

Example

```
{  
  "code": "UNKNOWN_ENTERPRISE",  
  "description": "The enterprise does not exist in the CBE.",  
  "resolution": "<a href=\"https://example.com/how-to-change-enterprise\">Change the enterprise respon  
sible for this subcontracting relationship</a>"  
}
```

RemarkList

Description

List of remarks

Properties

Properties	Description	Type	Format	Nullable	Information
remarks	Representation of a remark	Object (Remark)		Yes	

Example

```
{
  "remarks": [
    {
      "code": "UNKNOWN_ENTERPRISE",
      "description": "The enterprise does not exist in the CBE.",
      "resolution": "<a href=\"https://example.com/how-to-change-enterprise\">Change the enterprise respon
sible for this subcontracting relationship</a>"
    }
  ]
}
```

SearchResultPage

Description

Pagination details of the search results

Properties

Properties	Description	Type	Format	Nullable	Information
first	Absolute URI to the first page	string	uri		readonly
last	Absolute URI to the last page	string	uri		readonly
prev	Absolute URI to the previous page	string	uri		readonly
next	Absolute URI to the next page	string	uri		readonly
page	Current page number	integer	int32		Default 1
pageSize	(Maximum) Number of elements in a single page	integer	int32		Default 50
total	Total number of result	integer	Int64		
totalPages	Total number of pages	integer	int32		

Example

```
{  
  "first": "string",  
  "last": "string",  
  "prev": "string",  
  "next": "string",  
  "page": 0,  
  "pageSize": 0,  
  "total": 0,  
  "totalPages": 0,  
}
```

Actor

Description

Represent an entity in the service supply chain, either as a service provider, a subordinate or a subcontractor.

Properties

Properties	Description	Type	Format	Nullable	Information
enterpriseNumber	Identifier issued by CBE for a registered organization (must be valid) https://economie.fgov.be/fr/themes/entreprises/banque-carrefour-des/actualites/structure-du-numero	String	^[0-1]\d{9}\$	No	Example: 0206731645
name	The name of the enterprise (if available). Translated according to the Accept-Language HTTP header, with French as the default locale.	String		Yes	readonly

Example

```
{
  "enterpriseNumber": "0206731645",
  "name": "string"
}
```

Contact

Description

Contact details of a person such as names, email and phone number

Properties

Properties	Description	Type	Format	Nullable	Information
givenName	Most important of the given names of the person (given name aka first name).	String		Yes	Example: John
familyName	A family name is usually shared by members of a family.	String		Yes	Example: Doe
telephone	Telephone number	String		Yes	Example: +32 123 45 67 89
email	E-mail address	String		Yes	Example: johnDoe@outlook.com

Example

```
"contact": {  
  "givenName": "John",  
  "familyName": "Doe",  
  "telephone": "+32 475 12 34 56",  
  "email": "johnDoe@outlook.com"  
},
```

LocalizedString

Description

A description specified in multiple languages

Properties

Properties	Description	Type	Format	Nullable	Information
nl	Description in Dutch	String		Yes	
fr	Description in French	String		Yes	
de	Description in German	String		Yes	
en	Description in English	String		Yes	

Example

```
{
  "nl": "string",
  "fr": "string",
  "de": "string",
  "en": "string"
}
```

Problem

Description

A Problem Details object (RFC 7807)

Properties

Properties	Description	Type	Format	Nullable	Information
type	An absolute URI that identifies the problem type	String(\$uri)		Yes	
href	An absolute URI that, when dereferenced, provides human-readable documentation for the problem type (e.g. using HTML)	String(\$uri)		Yes	
title	A short summary of the problem type. Written in English and readable for engineers (usually not suited for non technical stakeholders and not localized)	String		Yes	
status	The HTTP status code generated by the origin server for this occurrence of the problem	integer(\$int32)	minimum: 400 maximum: 600 exclusiveMaximum: true	Yes	
detail	A human-readable explanation specific to this occurrence of the problem	String		Yes	
instance	An absolute URI that identifies the specific occurrence of the problem. It may or may not yield further information if dereferenced	String(\$uri)		Yes	
issues	An array of all issues encountered with the request			Yes	

Example

```
{
  "type": "urn:problem-type:belgif:payloadTooLarge",
  "href": "https://www.belgif.be/specification/rest/api-guide/problems/payloadTooLarge.html",
  "title": "Payload Too Large",
  "status": 413,
  "detail": "Request message must not be larger than 10 MB",
  "instance": "urn:uuid:123e4567-e89b-12d3-a456-426614174000",
  "limit": 10485760,
  "issues": [
    {
      "in": "body",
      "detail": "[Path '/items/0/actor'] ECMA 262 regex \"^[A-HJ-NP-Z0-9]{13}$\" does not match input string \"1Y1-A123456-7L-Z\"",
      "name": "/items/0/actor",
      "value": "1Y1-A123456-7L-Z"
    }
  ]
}
```

Description of endpoints

POST /Declarations

Create a new declaration along with a new contract and its corresponding subcontracting relationship

Request Body

The *declaration*, *contract*, *contractor*, *contact* objects are to be provided for each call. However, not all data within these objects are required. More information below

[declaration:](#)

The declaration information is necessary for Catena to identify the type of works which are being declared. This information can influence which information is required in other objects.

Properties	Required	Information
context	Yes	Possible values: delivery
purpose	Yes	Possible values: - continuous - specific In case the context = delivery the purpose is required to be continuous

[contract:](#)

The *contract* object covers the details regarding the entity making the declaration

Properties	Required	Information
contractor	Yes	Cross-checked with the CBE to validate its authenticity
contact	No	Optional: contact details can be provided which can be used by NOSS to contact the declaring entity.

[contractor:](#)

The *contractor* object contains the identifier to unique identify the declaring entity

Properties	Required	Information
enterpriseNumber	Yes	Cross-checked with the CBE to validate its authenticity

[contact:](#)

The *contact* object contains the information with regards to the contact details of the contractor

Properties	Required	Information
givenName	No	
familyName	No	
telephone	No	
email	No	

Request example

```
{
  "declaration": {
    "context": "delivery",
    "purpose": "continuous"
  },
  "contract": {
    "contractor": {
      "enterpriseNumber": "02067316445"
    },
    "contact": {
      "givenName": "John",
      "familyName": "Doe",
      "telephone": "+32 123 45 67 89",
      "email": "johnDoe@outlook.com"
    }
  }
}
```

Response Example

```
{
  "declaration": {
    "id": "1Y1012345678P",
    "context": "delivery",
    "purpose": "continuous"
  },
  "contract": {
    "id": "1Y1012345678P/1",
    "subcontractingRelationshipId": "wbqyn68.pm9vk",
    "contractor": {
      "enterpriseNumber": "02067316445",
      "name": "string"
    },
    "contact": {
      "givenName": "John",
      "familyName": "Doe",
      "telephone": "+32 123 45 67 89",
      "email": "johnDoe@outlook.com"
    },
    "declarationId": "1Y1012345678P"
  }
}
```

POST/declarations/{declarationId}/contracts

Create a new contract and its corresponding subcontracting relationship

Parameters

The declarationId it to be provided as parameter in the URL

Request body

The *contractor*, *contact* objects are to be provided for each call. However, not all data within these objects are required.

contractor:

The *contractor* object contains the identifier to unique identify the declaring entity

Properties	Required	Information
enterpriseNumber	Yes	Cross-checked with the CBE to validate its authenticity

contact:

The *contact* object contains the information with regards to the contact details of the contractor

Properties	Required	Information
givenName	No	
familyName	No	
telephone	No	
email	No	

Request example

```
{
  "contractor": {
    "enterpriseNumber": "02067316445"
  },
  "contact": {
    "givenName": "John",
    "familyName": "Doe",
    "telephone": "+32 475 12 34 56",
    "email": "johnDoe@outlook.com"
  }
}
```

Response Example

```
{
  "id": "1Y1012345678P/1",
  "subcontractingRelationshipId": "wbqyn68.pm9vk",
  "contractor": {
    "enterpriseNumber": "02067316445",
    "name": "string"
  },
  "contact": {
    "givenName": "John",
    "familyName": "Doe",
    "telephone": "+32 475 12 34 56",
    "email": "johnDoe@outlook.com"
  }
}
```

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```
"declaration": {  
  "id": "1Y1012345678P",  
  "context": "delivery",  
  "purpose": "continuous"  
}  
}
```

PUT/contracts/{contractId}/

Update of a contract

Parameters

The contractId is to be provided as a parameter in the URL

Request body

The contact object is to be provided in the request body

contact:

The *contact* object contains the information with regards to the contact details of the contractor

Properties	Required	Information
givenName	No	
familyName	No	
telephone	No	
email	No	

Request example

```
{
  "contact": {
    "givenName": "John",
    "familyName": "Doe",
    "telephone": "+32 475 12 34 56",
    "email": "johnDoe@outlook.com"
  }
}
```

Response Example

```
{
  "id": "1Y1012345678P/1",
  "subcontractingRelationshipId": "wbqyn68.pm9vk",
  "contractor": {
    "enterpriseNumber": "02067316445",
    "name": "string"
  },
  "contact": {
    "givenName": "John",
    "familyName": "Doe",
    "telephone": "+32 475 12 34 56",
    "email": "johnDoe@outlook.com"
  },
  "declaration": {
    "id": "1Y1012345678P",
    "context": "delivery",
    "purpose": "continuous"
  }
}
```

POST/contracts/search

Search contracts based on criteria passed in the request body

Request body

The criteria and sort objects are to be provided

criteria:

The *criteria* object contains the search criteria for the search

Properties	Required	Information
Id	No	
enterpriseNumber	No	
declaration (object)	No	

declaration:

The *declaration* object contains the information related to the declaration level

Properties	Required	Information
id	No	
context	No	
purpose	No	

sort:

The *sort* object allows to sort the search results

Properties	Required	Information
direction	No	
property	No	

Request example

```
{
  "criteria": {
    "id": "1Y1012345678P/1",
    "enterpriseNumber": "02067316445",
    "declaration": {
      "id": "1Y1012345678P",
      "context": [
        "delivery"
      ],
      "purpose": "continuous"
    }
  },
  "sort": {
    "direction": "asc",
    "property": "id"
  }
}
```

Response Example

```
{
  "first": "string",
  "last": "string",
  "prev": "string",
  "next": "string",
  "page": 0,
  "pageSize": 0,
  "total": 0,
  "totalPages": 0,
  "items": [
    {
      "id": "1Y1012345678P/1",
      "subcontractingRelationshipId": "wbqyn68.pm9vk",
      "contractor": {
        "enterpriseNumber": "02067316445",
        "name": "string"
      },
      "contact": {
        "givenName": "John",
        "familyName": "Doe",
        "telephone": "+32 475 12 34 56",
        "email": "johnDoe@outlook.com"
      },
      "declaration": {
        "id": "1Y1012345678P",
        "context": "delivery",
        "purpose": "continuous"
      }
    }
  ],
  "sort": {
    "direction": "asc",
    "property": "id"
  }
}
```

POST/contracts/{contractId}/subcontractingRelationship

Parameters

The contractId is to be provided as a parameter in the URL

Request Body

The *subcontractingRelationship* object is to be provided

subcontractingRelationship:

The object contains all the information specific to the subcontracting relationship

Properties	Required	Information
parent	Yes	
startDate	Yes	
endDate	No	
subContractor	Yes	

Request example

```
{
  "parent": {
    "id": "wbqyn68.pm9vk"
  },
  "startDate": "2025-05-21",
  "endDate": "2025-05-21",
  "subContractor": {
    "enterpriseNumber": "02067316445"
  }
}
```

Response Example

```
{
  "parent": {
    "id": "wbqyn68.pm9vk",
    "subContractor": {
      "enterpriseNumber": "02067316445",
      "name": "string"
    }
  },
  "startDate": "2025-05-21",
  "endDate": "2025-05-21",
  "id": "wbqyn68.pm9vk",
  "subContractor": {
    "enterpriseNumber": "02067316445",
    "name": "string"
  }
}
```

PUT/subcontractingRelationships/{subcontractingRelationshipId}

Parameters

The subcontractingRelationshipId is to be provided as a parameter in the URL

Request Body

The subcontractingRelationshipBase object is to be provided in the request body

subcontractingrelationshipbase:

Properties	Required	Information
parent	Yes	
startDate	Yes	
endDate	No	

Request example

```
{
  "parent": {
    "id": "wbqyn68.pm9vk"
  },
  "startDate": "2025-05-21",
  "endDate": "2025-05-21"
}
```

Response Example

```
{
  "parent": {
    "id": "wbqyn68.pm9vk",
    "subContractor": {
      "enterpriseNumber": "02067316445",
      "name": "string"
    }
  },
  "startDate": "2025-05-21",
  "endDate": "2025-05-21",
  "id": "wbqyn68.pm9vk",
  "subContractor": {
    "enterpriseNumber": "02067316445",
    "name": "string"
  }
}
```

DELETE/subcontractingRelationships/{subcontractingRelationshipId}

Parameters

The subcontractingRelationshipId is to be provided as a parameter in the URL

Response

When successful the code 204 with description "Removal was successful" should be given.

POST/subcontractingRelationships/search

Search subcontracting relationships

Request Body

The criteria object is to be provided in the request body

[criteria](#):

The *criteria* object allows to sort the search results

Properties	Required	Information
id	No	
declaration	No	
contractId	No	
parent	No	
subcontractor	No	

Request example

```
{
  "criteria": {
    "id": "wbqyn68.pm9vk",
    "declaration": {
      "id": "1Y1012345678P",
      "context": [
        "delivery"
      ],
      "purpose": "continuous"
    },
    "contractId": "1Y1012345678P/1",
    "parent": {
      "id": "wbqyn68.pm9vk"
    },
    "subContractor": {
      "enterpriseNumber": "02067316445"
    }
  }
}
```

Response Example

```
{
  "first": "string",
  "last": "string",
  "prev": "string",
  "next": "string",
  "page": 0,
  "pageSize": 0,
  "total": 0,
  "totalPages": 0,
  "items": [
    {
      "parent": {
        "id": "wbqyn68.pm9vk",
        "subContractor": {
          "enterpriseNumber": "02067316445",
          "name": "string"
        }
      },
      "startDate": "2025-05-21",
      "endDate": "2025-05-21",
      "id": "wbqyn68.pm9vk",
      "subContractor": {

```

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```
    "enterpriseNumber": "02067316445",  
    "name": "string"  
  }  
]  
}
```

GET/contracts/{contractId}/remarks

Get remarks of a contract

Parameters

The contractId is to be provided as parameter in the URL

Response Example

```
{
  "remarks": [
    {
      "code": "unknown_enterprise",
      "description": "The enterprise does not exist in the CBE.",
      "resolution": "<a href=\"https://example.com/how-to-change-enterprise\">Change the enterprise responsible for this subcontracting relationship</a>"
    }
  ]
}
```

GET/subcontractingRelationships/{subcontractingRelationshipId}/remarks

Get remarks of a subcontracting relationship

Parameters

The subcontractingRelationshipId is to be provided as parameter in the URL

Response Example

```
{
  "remarks": [
    {
      "code": "UNKNOWN_ENTERPRISE",
      "description": "The enterprise does not exist in the CBE.",
      "resolution": "<a href=\"https://example.com/how-to-change-enterprise\">Change the enterprise responsible for this subcontracting relationship</a>"
    }
  ]
}
```

GET/refData/declarationContexts

Retrieve all context codes and their i18n labels (FR/NL/DE/EN)

Response Example

```
{
  "items": [
    {
      "code": "delivery",
      "label": {
        "nl": "string",
        "fr": "string",
        "de": "string",
        "en": "string"
      }
    }
  ]
}
```

GET/refData/declarationContexts/{declarationContextCode}

Return a declaration context by its code

Parameters

The declarationContextCode is to be provided as a parameter in the URL

Response Example

```
{
  "code": "delivery",
  "label": {
    "nl": "string",
    "fr": "string",
    "de": "string",
    "en": "string"
  }
}
```

GET/remarks

Retrieve all remarks and codes and their i18n description (FR/NL/DE/EN)

Response Example

```
{
  "items": [
    {
      "code": "actor_bankruptcy",
      "description": {
        "nl": "string",
        "fr": "string",
        "de": "string",
        "en": "string"
      }
    }
  ]
}
```

GET/remarks/{remarkCode}

Retrieve a remark detail (code, i18n description and i18n resolution) by its code

Parameters

The remarkCode is to be provide as a parameter in the URL

Response Example

```
{
  "code": "actor_bankruptcy",
  "description": {
    "nl": "string",
    "fr": "string",
    "de": "string",
    "en": "string"
  },
  "resolution": {
    "nl": "string",
    "fr": "string",
    "de": "string",
    "en": "string"
  }
}
```

Environment Information

Catena 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 Catena platform.

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

Service REST Catena: <https://services-sim.socialsecurity.be/REST/enterpriseWorkContractChain/v1>

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

Service REST Catena: <https://services.socialsecurity.be/REST/enterpriseWorkContractChain/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 Catena 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 the contact center is available for assistance. For information on how to contact them, see:

<https://www.belparcel.be/en/help/contact-us.html>