

# PRECONTRACTUAL INFORMATION

# **REST API Manual**

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A service provided by





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# 1. Introduction

In today's labour market, it is important for companies to know the relevant statuses of candidate employees, such as flexi-jobbers or students, correctly prior to a recruitment process. This is important to ensure that the administrative processing of new employees is efficient.

To support companies and their agents in this, the **PrecontractualData API** offers an automated and structured solution. With this API, companies can systematically verify the required data prior to an employment relationship.

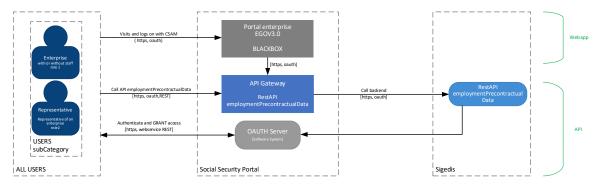
To request this information, the company must have a citizen mandate for this person. The information will only be provided if there is an active citizen mandate for the combination of future employee and future employer.



# 2. Communication REST API Precontractual information

The REST API Precontractual information allows the user (company or authorized representative) to communicate directly with Sigedis via the 'Portal Enterprise EGOV 3.0' or via their own IT system. This is done via the secure channels of the social security portal (API Gateway).

The diagram below shows how the data exchange between the company (or authorized representative) and Sigedis takes place (high level).



A user (company or authorized representative) has two options to consult precontractual data of a citizen:

# 1. Via the online application "Enterprise EGOV 3.0"

This is a user-friendly web application that allows companies and their authorized representatives to easily request precontractual information. The application itself takes care of the technical handling and communicates automatically with the underlying systems, without the user having to develop an integration themselves.

#### 2. Via the REST API "employmentPrecontractualData"

For companies that want to integrate this control into their own IT systems, a REST API is available. This web service makes it possible to retrieve precontractual data directly from your own software environment.

In both cases, communication takes place via the social security's secure API Gateway, which ensures that the request is correctly and securely forwarded to Sigedis. Processing is immediate, and the response is fed back via the same route.



#### 3. REST API Precontractual Information

#### 3.1. Concepts

The use of the REST API Precontractual information allows a company or authorized representative, with permission, to consult some data relating to a future employment. Within this API, the following consultations are possible:

- Check whether the person is eligible for a flexi-job.
- Determine how many hours the person can still work as a student worker.

# Several important concepts apply here:

- 1. The flexi-job control concerns the performance conditions for performing a flexi-job for a person:
  - The person works at least 4/5 for another employer in the 3th quarter preceding the flexi-job. In addition, the person has not reduced his or her work volume by switching from 100% in the 4th quarter preceding the flexi-job to 80% in the 3th quarter preceding the flexi-job. If this were the case, a waiting period of 2 quarters applies before he or she is eligible for a flexi-job.
  - The person is registered in the pension register as a recipient of a legal pension in the 2nd quarter preceding the flexi-job.

In addition to the conditions for the future employee, there are also conditions for the company for which the check is performed. These are not checked during the check. The most important are:

- o Your company must belong to a sector that is allowed to offer flexi-jobs.
- The function offered must be an permitted function.
- The person may not already be working for you in the context of another employment relationship
- It is not permitted to offer a flexi-job to persons who already work for at least 4/5 at an affiliated company (for example in a parent or subsidiary company or within a consortium under central management).

See website for more https://www.socialsecurity.be/site nl/employer/infos/flexi-jobs.htm

- 2. The number of returned hours of student work concerns the still available, unreserved hours at the time of the application. The student is only eligible if he/she meets the conditions for student work:
  - o The student works on the basis of a student agreement
  - o outside the periods of compulsory attendance at the educational institution
  - and is 15 years old and has completed the first grade of secondary education.

If the remaining number of hours is 0, this means that the limit has already been reached. **Please note:** Specific additional conditions apply to persons who follow a part-time education or an education with a limited curriculum. For more information, see <a href="https://www.socialsecurity.be/employer/instructions/dmfa/nl/latest/instructions/persons/specific/students.html">https://www.socialsecurity.be/employer/instructions/dmfa/nl/latest/instructions/persons/specific/students.html</a>



# 3.2. API calls

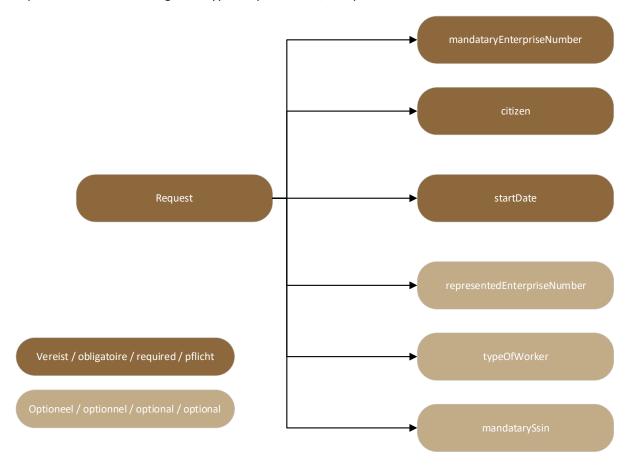
The only HTTP action handled by the API is **GET**.

/verifyPrecontractualData					
The status of the employment opportunities of the citizen can be retrieved via the API call "verifyPrecontractualData". There are 3 types of data that can be retrieved:					
■ Flexi-job					
<ul><li>Studentjob</li></ul>					
■ Both					
See below for more details.					

# 3.2.1. Objects

# 3.2.1.1. Get Request objects

This section describes the objects that are required to correctly execute the API call in question. The objects include both mandatory fields, such as the company number and the citizen identification number, and optional fields, which are required in addition to the employee type if it concerns an API call from the authorized representative or a call from the web application. Each of these objects is explained below, including their type, requirements, and possible values.





Name parameter	Туре	Presence	Description
mandataryEnterpriseNumber	string	Mandatory	Identification number of the organisation within the Crossroads Bank for Enterprises (CBE number) for which the citizen mandate must be checked.  This number consists of 10 digits and, if necessary, this number should be supplemented with zeros at the beginning.  If the agent is making the call on behalf of another company, the authorized representative's CBE must be entered here.
citizen	string	Mandatory	Identification number within the social security of the citizen for whom the call is made. This is the national register number or bis number. This must always consist of 11 digits and, if necessary, be supplemented with zeros at the beginning.
startDate	String(\$date)	Mandatory	The start date of the employment.
representedEnterpriseNumber	string	Optional	The identification number of the organisation within the Crossroads Bank for Enterprises (CBE number), which is represented by the authorized representative.  This number consists of 10 digits and, if necessary, this number should be supplemented with zeros at the beginning.  This field only needs to be filled in if the authorized representative is making the call for another company.

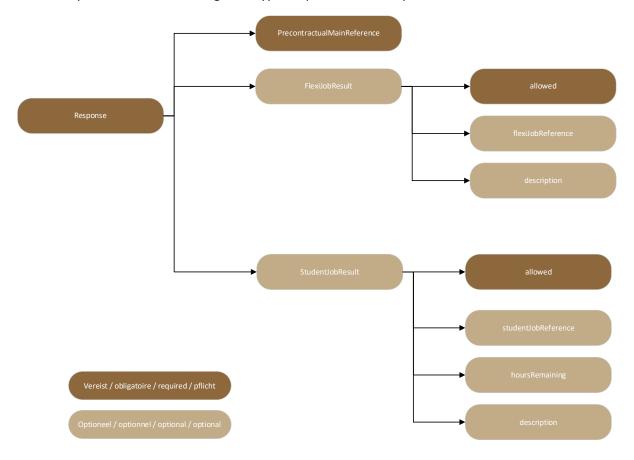


typeOfWorker	Array[string]	Optional	The desired information of the citizen that the company or authorized representative wants to consult. Possible values: - flexiJob - studentJob - all (default)  If no value is specified, both the flexi-job and student job status will be checked.
mandatarySsin	String	Optional	Identification number within the social security of the user who makes the request via the Enterprise 3.0 portal. This is the national register number or BIS number.  This must always consist of 11 digits and, if necessary, be supplemented with zeros at the beginning.  Not applicable for API calls sent directly through the API Gateway.



# 3.2.1.2. Get Response objects

This section describes the response objects returned by the API after a successful call. These objects contain detailed information about the requested employment status of the employee, such as whether or not he or she qualifies for a flexi-job or student job. Depending on the typeOfWorker value provided in the request, specific data blocks can be included in the response. Each field and block is explained below, including their type, requirements, and possible values.





Name parameter	Туре	Presence	Description
PrecontractualMainReference	string	Mandatory	Call identification number
	maxLength: 30	,	
FlexiJobResult  (*)This block is filled in if typeOfWorker contains the value ALL or flexiJob or was not supplied.	block	Optional*	Block containing the answer of the flexi-job information. The presence of this block depends on the value of typeOfWorker
allowed	Array[String]	Mandatory	Value indicating whether or not the person is allowed to perform a flexi-job. This field can contain the following values:  - "ok" - "nok" - "unknown"
flexiJobReference	String maxLength: 30	Optional	Flexi-job call identification number
description	Subblock FlexijobResult	Optional	List of labels
type	Array[string]	Mandatory	This may contain the following values: - "disclaimer" - "error"
cause	string	Optional	Reason
label	Subblock Description	Optional	Block consisting of the disclaimers in Dutch, French, German and English
(*)This block is filled in if typeOfWorker contains the value ALL or studentJob or was not supplied.	block	Optional*	Block containing the student job answer information. The presence of this block depends on the value of typeOfWorker
allowed	Array[String]	Mandatory	Value indicating whether or not the person was allowed to perform a student job. This field can contain the following values: - "ok" - "nok" - "unknown"
studentJobReference	String maxLength: 30	Optional	Student job call identification number
hoursRemaining	Integer minimum : 0 Maximum : 9999	Optional	The number of available, unreserved hours at the time of the request
description	Subblock StudentJobResult	Optional	List of labels



type	Array[string]	Mandatory	This may contain the following values: - "disclaimer" - "error"
cause	string	Optional	Reason
label	Subblock	Optional	Block consisting of
	Description		disclaimers in Dutch, French,
			German and English



#### 3.2.2. Get/verifyPrecontractualData

The API offers companies and their agents the possibility to consult the status of a future employee for a specific employment date. This can be done directly by the company itself or via an authorized representative authorized to make the call on behalf of the company.

#### 3.2.2.1. Directly as a company

The input consists of a CBE number, a SSIN number and the planned employment date, as described in 3.2.1. Optionally, the type of information can also be specified: typeOfWorker. This is to request information for flexi-job or student job, depending on the person.

If the optional parameter 'typeOfWorker' is omitted, it will always request and provide information for both flexi-job and student job. Important here are the concepts as already discussed in 3.1.

#### A. Path

- Basis-path (all statuses)
  - /verifyPrecontractualData?mandataryEnterpriseNumber={cbeNbr}&citizen={ins s}&startDate={startDate}
- Extended path, with optional parameter 'typeOfWorker'
  - /verifyPrecontractualData?mandataryEnterpriseNumber={cbeNbr}&citizen={ins s}&startDate={startDate}&typeOfWorker={typeOfWorker}

# B. Example input

The example below requests information from a prospective employee, for a planned employment day. There is no specific request for a particular typeOfWorker.

Methode: GET

Path: https://services-

Body: No Body

# C. Example output

The disclaimers are always included in the output with every call.

```
"precontractualMainReference": " 070101899010212202415",
.
"flexiJobResult": {
  "allowed": "nok".
  "flexiJobReference": " 070101899010212202447",
  "description": {
     "type": "disclaimer".
     "label": {
       "nl": "<i>disclaimer...dutch</i>",
       "fr": "<i>disclaimer...french.</i>",
       "de": "<i>disclaimer...german</i>",
       "en": "<i>disclaimer...english </i>"
 }
'studentJobResult": {
  "allowed": "ok",
  "studentJobReference": " 070101899010212202420",
  "hoursRemaining": 50,
  "description": {
     "type": "disclaimer".
```



```
"label": {
        "nl": "<i>disclaimer...dutch</i>",
        "fr": "<i>disclaimer...french</i>",
        "de": "<i>disclaimer...german </i>",
        "en": "<i>disclaimer...english</i>"
    }
}
```



#### 3.2.2.2. As an authorized representative for a specific company

The input consists of a SSIN number, the planned employment date and two CBE numbers, as described in 3.2.1. In mandataryEnterpriseNumber the CBE of the mandatary must be filled in and in representedEnterpriseNumber the CBE number of the mandated company. Optionally, the type of information can also be specified: typeOfWorker. This is to, for example, only request information for flexi-job or for student job.

#### A. Path

- Basis-path (all statuses)
  - /verifyPrecontractualData?mandataryEnterpriseNumber={cbeNbr}&citizen={ins s}&representedEnterpriseNumber={cbeNbr}&startDate={startDate}
- Extended path, with optional parameter 'typeOfWorker'
  - /verifyPrecontractualData?mandataryEnterpriseNumber={cbeNbr}&citizen={ins s}&representedEnterpriseNumber{cbeNbr}&startDate={startDate} &typeOfWorker={typeOfWorker}

#### B. Example input

The example below requests information from a prospective employee, for a planned employment day. There is no specific request for a certain status.

Methode: GET

Path: https://services-

int.socialsecurity.be/REST/employmentPrecontractualData/v1/verifyPrecontractualData?mandataryEnterpriseNumber=0123456789&citizen= 07010189901&start representedEnterpriseNumber=0880820673&Date=2025-09-30

Body: No Body

# C. Example output

The disclaimers are always included in the output with every call.

```
"precontractualMainReference": " 070101899010212202415",
"flexiJobResult": {
  "allowed": "nok'
  "flexiJobReference": " 070101899010212202447",
  "description": {
     "type": "disclaimer",
     "label": {
    "nl": "<i>disclaimer...dutch</i>",
       "fr": "<i>disclaimer...french</i>'
       "de": "<i>disclaimer...german</i>",
       "en": "<i>disclaimer...english</i>"
    }
 }
'studentJobResult": {
  "allowed": "ok".
  "studentJobReference": " 070101899010212202421",
  "hoursRemaining": 50,
  "description": {
     "type" "disclaimer".
     "label": {
       "nl": "<i>disclaimer...dutch</i>",
       "fr": "<i>disclaimer...french</i>"
       "de": "<i>disclaimer...german</i>",
       "en": "<i>disclaimer...english</i>"
```



#### 3.3. Return codes specifications

Upon successful identification and authorization, an https response is sent containing a return code, also known as a status code.

If processing occurs without errors, the response is a "Status Code 200" + the requested information. If processing continues but a non-blocking error is detected, a "Status Code 200" is returned, together with the description block of type error. This contains the explanation of the error. If processing does not continue due to a blocking error, the response is a "Status Code 400" + the blocking error message.

If a technical problem occurs, the response is a "Status Code 500".

#### 3.3.1. Status code 200 "errorFlexijobPrecontractual"

The pension register is consulted when the employment rate for the person in question is insufficient to perform a flexi-job. This consultation serves to check whether the person was registered in the pension register as a recipient of a statutory pension in the second quarter preceding the flexi-job, as discussed in 3.1. If the pension register is temporarily unavailable at the time of the check, the error message "ErrorFlexijobPrecontractual" will be returned.

# Example answer:

#### 3.3.2. Status code 200 "errorStudentjobPrecontractual"

If it is not possible to retrieve the studentjob information, an "ErrorStudentjobPrecontractual" will be returned.

#### Example answer:



#### 3.3.3. Status code 200 "errorStudentRequirements"

If the person is over 30 years old at the time of the request, an "errorStudentRequirements" will be displayed. Further information is in the label.

# Example answer:

# 3.3.4. Status code 200 "errorYoungRequirements"

If the person is less than 15 years old this calendar year, an "errorYoungRequirements" will be displayed.

#### Example answer:

# 3.3.5. Status code 200 'noGrant'

If a company or authorized representative tries to request information from a person for whom the citizen mandate is not active. This can be for one of the following reasons:

- No mandate was found for the combination of the national register number of the candidate employee and the CBE number of the company if there is no mandate holder.
- No mandate was found for the combination of the national register number of the candidate employee and the CBE number of the mandate holder.
- The mandate application is still being processed
- The mandate was refused



# Example answer:

```
{
    "precontractualMainReference": "070101899010212202422",
    "studentJobResult": {
        "allowed": "noGrant"
        "description":
        "type": "error",
        "label": {
            "nl": "<i>>error message...dutch</i>",
            "ff": "<i>>error message...french</i>",
            "de": "<i>>error message...german</i>",
            "en": "<i>error message...english</i>"
        }
    }
}
```

3.3.6. Status code 200: 'errorGrant'

If there is a problem while retrieving the mandate.

# Example answer:

```
{
    "precontractualMainReference": "070101899010212202423",
    "studentJobResult": {
        "allowed": "errorGrant"
        "description":
        "type": "error",
        "label": {
            "nl": "<i>>error message...dutch</i>",
            "fr": "<i>>error message...french</i>",
            "de": "<i>error message...german</i>",
            "en": "<i>error message...english</i>"
        }
    }
}
```

#### 3.3.7. Status code 400 – Invalid parameters when requesting without an agent

This error message appears when the specified parameters do not match the expected values, namely the representedEnterpriseNumber parameter is used, when the call is not made from the authorized representative.



# 3.3.8. Status code 400 - Invalid parameters when applying as a proxy

This error message appears when the specified parameters do not match the expected values, namely the parameter representedEnterpriseNumber is not used, when the call is made from the authorized representative.

#### 3.3.9. Status code 400 - invalid combination of token and mandataryEnterpriseNumber

If the CBE number in the call does not match the CBE number in the token, the following error message will be displayed.



#### 3.3.10. Status code 400 - missing control token - not applicable for direct API calls

When a call is made from the web component and the mandatarySsin is not displayed, the following error message is shown.

#### 3.3.11. Status code 400 - startDate in the past

It is not possible to retrieve the flexi-job or student job status in the past.

#### 3.3.12. Status code 400 - startDate falls outside the allowed time window

This is the case when the request for employment falls outside the window allowed for applications. This allows you to check whether the person is eligible for employment in the current trimester or in the next trimester if you are in the last month of the current trimester.



# 3.3.13. Status code 400 - SSIN is invalid or non-existent

This is the case when the national register number is not valid or does not exist.

3.3.14. Status code 400 - CBE is invalid or non-existent - mandataryEnterpriseNumber

This is the case when the CBE number in mandataryEnterpriseNumber is not valid or does not exist.

3.3.15. Status code 400 - CBE is invalid or non-existent - representedEnterpriseNumber

This is the case when the CBE number in representedEnterpriseNumber is not valid or does not exist.



# 3.3.16. Status code 401 "No Access Token"

No valid Oauth access token was found in the HTTP header.

# Example answer:

```
{
    "type": " urn:problem-type:belgif:noAccessToken",
    "href": " https://www.belgif.be/specification/rest/api-guide/problems/noAccessToken.html ",
    "instance": " urn:trace-id:05df4d67ef605ccadf0b034f ",
    "status": 401,
    "title": "No Access Token",
    "detail": "No Bearer access token found in Authorization HTTP header "
}
```

# 3.3.17. Status code 500 "Internal Server Error"

# Example answer:

```
{
   "timestamp": "2024-12-02T16:06:36.885+00:00",
   "status": 500,
   "error": "Internal Server Error",
   "path": "/career/public/employmentPrecontractualData/v1/verifyPrecontractualData "
}
```