

GRANT CITIZEN

REST API Manual

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A service provided by
The Crossroads Bank for Social Security (CBSS)

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1. Introduction

1.1. Purpose of the API

Grant Citizen API has been developed to provide external partners with secure, streamlined access to **citizen-related datasets**.

It enables authorized organisations to create and manage citizen mandates, which in some cases are required to **perform actions on behalf of a citizen or to retrieve protected data**.

1.2. Target audience

The **Grant Citizen API** can be used by:

- Company without staffing members
- Employers
- Social secretariats accredited by Social Security Administration
- Service providers
- Recruitment agencies

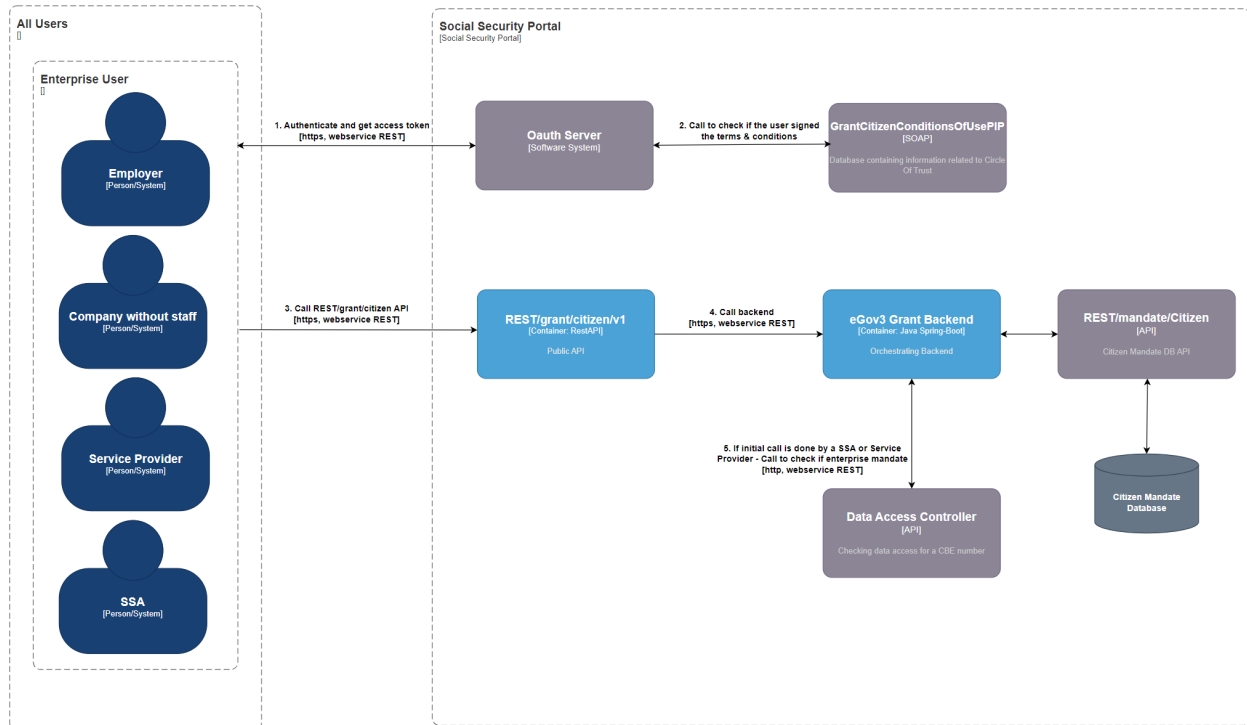
Note: Organisations must complete the onboarding process and be officially whitelisted before they can use this service and issue citizen mandates. See [here](#)

1.3. High-level communication

IT systems belonging to the target audience (companies, employers, SSAs, service providers, etc.) communicate with **Grant Citizen API** exclusively over secured channels via the **Social Security Portal**.

Please note that the onboarding to Social Security Portal needs to be done before using this webservice. See documentation [here](#)

Below is a high-level diagram illustrating the interaction flow between the target audience's IT systems and the Social Security system:



1. Obtain Oauth Token

The client application calls the Social Security Oauth Server, presenting its configured certificate, to request an access token.

2. Verify Terms & Conditions

The Social Security Oauth Server invokes the **GrantCitizenConditionsOfUsePIP SOAP** service to confirm that the user has accepted the terms and conditions governing the use of citizen mandate.

3. Invoke Grant Citizen API

With a valid access token, the client submits its request to the **Grant Citizen API** endpoint.

4. Process Grant Requests

The eGov3 Grant Backend handles the incoming API requests. It interacts with the REST/mandate/citizen API to retrieve, update, or create the citizen mandate as required.

5. Authorize On-Behalf-Of Actions

If the caller is acting as a Social Secretariat or Service Provider on behalf of a client, the eGov3 Grant Backend also calls the Data Access Controller API to verify that the caller holds a valid enterprise mandate from that client.

Note: As a Social Secretariat or Service Provider, you must have an active enterprise mandate of type DmFa with your client before performing on-behalf-of operations.

1.4. Base URL

The **Grant Citizen API** is available for external partners in one environment. Use the appropriate base URL:

Production: <http://services.socialsecurity.be/REST/grant/citizen/v1>

2.General API operation

2.1. API Architecture

The API is based on a RESTful model, that means that the service works on HTTP standard methods and returns JSON format to facilitate integration.

- Protocol used: HTTPS (to ensure the security of exchanges)
- Data Format: JSON

2.2. Authentication

All requests to the **Grant Citizen API** require a valid OAuth 2.0 access token issued by the Social Security OAuth Server. You must use the **Client Credentials grant flow** to obtain this token.

1. Request an access token

- Send a token request to the Social Security OAuth Server, authenticating with your **client credentials** (client ID and secret). [For detailed implementation instructions, refer to the REST Documentation from Social Security](#)
- Include the required scope in your request. **See section 2.2.1** for the exact scope value.

2. Include the token in your API calls

For each API request, include the access token in the Authorization header.

Prerequisite: Your organization must have a REST account configured via **Chaman** and be onboarded to the **Social Security Network** before you can use this web service. For more details refer to the [Chaman Documentation](#).

2.2.1 Scope

Before you can interact with the **Grant Citizen API**, your organization must complete the technical onboarding process on the Social Security network. Only once onboarded can you request an OAuth access token for this service.

Before you can call the **Grant Citizen API**, your organization must complete a technical onboarding in the Social Security network.

Only after onboarding will you be able to obtain the necessary OAuth access token to authenticate against this service.

Available OAuth Scopes

During onboarding, your client application may be granted one of the following scopes:

Enterprise scope

ksz-bcss:mandates:citizen:management:managemandate:enterprise

Provider scope

ksz-bcss:mandates:citizen:management:managemandate:provider

Social Security Network Application scope

ksz-bcss:mandates:citizen:management:managemandate

Activating Scopes via Chaman

For your **clientId** to obtain this scope from the **OAuth server**, you must before activate it via **Chaman** ([detailed here](#)) by selecting in the secured permission:

Burgermandaten Beheren
Mandats citoyens - Gérer

1. In Chaman, locate the "Burgermandaten Beheren / Mandats citoyens – Gérer" permission.
2. Enable this permission for your Client ID.
3. Once enabled, the OAuth server will issue one of the three scopes above, depending on your client's configured "quality."

Scope Assignment based on quality selected in the Chaman Onboarding

- If your ClientID represents an **employer** (ONSS/RSZ) or **enterprise without personnel**, you will receive the **enterprise** scope.
- If your ClientID represents a **social secretariat** or **service provider**, you will receive the **provider** scope.
- If your ClientID is a system-to-system application within the Social Security network, the IAM team can grant you the **Social Security Network Application** scope.

Scope-Specific Usage Rules

Provider Scope (...:provider)

- **Mandated enterprise parameter:** All endpoints that include a **representedEnterpriseNumber** parameter **require** you to supply a valid enterprise number.
- **Acting on behalf on an enterprise:** You may only act **on behalf** of the specified enterprise. All citizen mandate you create will be linked to that enterprise's CBE number will be linked to that CBE number.
- **Enterprise mandate verification:** We verify your representation rights by checking the active Mahis "DmFa" enterprise mandate.
- **Mandate expiry handling:** If your enterprise mandate expires or is revoked, any corresponding citizen mandates with status **active** will automatically transition to **stopped**.

2.3. Citizen Notification Options

The **Grant Citizen API** gives you two methods for notifying citizens when a mandate request is created via the **POST/mandateRequests** endpoint:

1. Without SSIN:

- After creating the mandate request, the API response includes **three approval URLs**-one in each official language (Dutch, French, German).
- You must present these URLs to the citizen, who will **log in via** the link and **approve the request in the citizen portal**.
- If you need a **QR code** for in-person scanning, generate it from any of the provided URLs.

2. With SSIN:

- When you include the citizen's SSIN in the request, the mandate request **automatically appears in the citizen portal once they log in**.
- Separate approval links still be returned in the API response.

Note: This service does not send push notifications. Citizens will see any pending mandate requests once they open the citizen application.

3. Specific Error Codes

This section describes the standardized error codes returned by the **Grant Citizen API**. Each code is accompanied by its meaning and guidance on how to resolve the corresponding issue.

400 Bad Request – Invalid CBE number format

The provided Crossroads Bank for Enterprises (CBE) number does not conform to the expected format.

Verify that the CBE number is a **nine-digit numeric string** (with no letters or special characters), correct any formatting errors, and resend your request.

```
{
  "type": "urn:problem-type:belgif:badRequest",
  "href": "https://www.belgif.be/specification/rest/api-guide/problems/badRequest.html",
  "instance": "urn:trace-id:9e1fd867a08ec4a7c6c1d48c",
  "status": 400,
  "title": "Bad Request",
  "detail": "The input message is incorrect",
  "issues": [
    {
      "in": "body",
      "detail": "[Path '/representedEnterpriseNumber'] ECMA 262 regex \"^[0-1]\\d{9}$\" does not match
input string \"09333875470\",
      "name": "/representedEnterpriseNumber",
      "value": "09333875470"
    }
  ]
}
```

400 Bad Request – Invalid SSIN number format

The provided Social Security Identification Number (SSIN) does not conform to the required **11-digit numeric format**.

Ensure the SSIN consists of exactly 11 digits (no letters, spaces, or special characters), correct any formatting issues, and resend your request.

```
{
  "type": "urn:problem-type:belgif:badRequest",
  "href": "https://www.belgif.be/specification/rest/api-guide/problems/badRequest.html",
  "instance": "urn:trace-id:7c1fd867d08187d3d44b5b8e",
  "status": 400,
  "title": "Bad Request",
  "detail": "The input message is incorrect",
  "issues": [
    {
      "in": "body",
      "detail": "[Path '/mandatorSsin'] ECMA 262 regex \"^\\d{11}$\" does not match input string  
\\\"790723000485\\\"",
      "name": "/mandatorSsin",
      "value": "790723000485"
    }
  ]
}
```

400 Bad Request – Invalid scope

The citizen mandate scope supplied in the request does not match any of the permitted values.

Verify that you are requesting one or both of the valid scope -

precontractualDataFlexiJob and/or ***precontractualDataStudentJob*** and resend your request.

```
{
  "type": "urn:problem-type:belgif:badRequest",
  "href": "https://www.belgif.be/specification/rest/api-guide/problems/badRequest.html",
  "title": "Bad Request",
  "status": 400,
  "detail": "The input message is incorrect",
  "issues": [
```

```

{
  "in": "body",
  "name": "scope",
  "value": [
    "precontractualDataFlexiJobs"
  ]
},
"instance": "urn:trace-id:7321d8673c9b071b5ed15bc6"
}

```

400 Bad Request – missing scope

The request body does not include any scope. Every mandate request must specify at least one scope.

Add one or more valid scopes (e.g., ***precontractualDataFlexiJob*** and/or ***precontractualDataStudentJob***) to the request body and retry.

```

{
  "type": "urn:problem-type:belgif:badRequest",
  "href": "https://www.belgif.be/specification/rest/api-guide/problems/badRequest.html",
  "instance": "urn:trace-id:a019d8679b967841520abcde",
  "status": 400,
  "title": "Bad Request",
  "detail": "The input message is incorrect",
  "issues": [
    {
      "in": "body",
      "detail": "Object has missing required properties ([\"scopes\"])"
    }
  ]
}

```

400 Bad Request – Invalid Identifier Format

The provided resource identifier does not conform to the expected format (e.g., it must consist solely of numeric characters).

Verify that the identifier uses only digits and matches the required pattern, then resend your request.

```
{
  "type": "urn:problem-type:invalidRequestFormat",
  "title": "Bad Request",
  "status": 400,
  "detail": "The request is not valid, please check the content of the issues array for more information",
  "instance": "urn:traceId:fb21d867f1a0fbec44ae3f87",
  "issues": [
    {
      "in": "query",
      "name": "mandateId",
      "value": "hg",
      "detail": "Value is invalid. Should be numeric."
    }
  ]
}
```

400 Bad Request – Missing representedEnterpriseNumber

When using the Provider scope, the request is missing the required ***representedEnterpriseNumber*** field.

Include a valid ***representedEnterpriseNumber*** (the enterprise's CBE number) in your request and resend.

```
{
  "type": "urn:problem-type:belgif:badRequest",
  "title": "Bad Request",
  "status": 400,
  "detail": "The input message is incorrect",
  "issues": [
    {
      "in": "body",
      "name": "representedEnterpriseNumber"
    }
  ]
}
```

```
],  
  "instance": "urn:trace-id:59821868b07ae7c6c442e9ad"  
}
```

400 Bad Request – Conflicting Request Fields

The request body contains **mutually exclusive fields** that cannot be used together (for example, ***createMandateWithRepresentative*** and ***representedEnterpriseNumber*** are not compatible in the same payload).

Review your request schema and **remove or adjust conflicting fields** so that only one of the **mutually exclusive options** is present. For instance, if you supply ***createMandateWithRepresentative***, omit ***representedEnterpriseNumber***, and vice versa.

```
{  
  "type": "urn:problem-type:citizenMandates:inputFieldsConflict",  
  "title": "Input Fields Conflict",  
  "status": 400,  
  "detail": "These fields are conflicting [createMandateWithRepresentative, representedEnterprise]; only one  
of them should be provided at a time.",  
  "instance": "urn:trace-id:c82cd867b5f6eb200f68fa79"  
}
```

403 Forbidden – Enterprise Not Authorized to Access This Resource

The CBE number embedded in your OAuth token does not match the ***mandatoryEnterpriseNumber*** of the resource you are trying to access.

Verify that the enterprise identifier in your access token corresponds to the ***mandatoryEnterpriseNumber*** parameter in your request.

Obtain a token for the correct enterprise or adjust the ***mandatoryEnterpriseNumber*** to match your organization's CBE number, then retry.

```
{
  "type": "urn:problem-type:citizenMandates:userNotPartOfMandate",
  "title": "User not part of mandate",
  "status": 403,
  "detail": "User that tries to get the mandate should either be the mandator or the mandatory of the mandate.",
  "instance": "urn:trace-id:002cd86781f0bf6164049a63"
}
```

403 Forbidden – Enterprise Lacks Necessary Access Rights

The CBE number supplied in the ***representedEnterpriseNumber*** parameter does **not have an active enterprise mandate in Mahis**, and therefore lacks permission to perform the requested action.

Verify that an active enterprise mandate exists for the specified CBE number in the **Mahis system**. Once the enterprise mandate is created or reactivated, retry your request.

```
{
  "type": "urn:problem-type:citizenMandates:representativeEnterpriseForbidden",
  "title": "Representative not authorized to act on behalf of the CBE number",
  "status": 403,
  "detail": "The authenticated user doesn't have the necessary rights to act on behalf of the represented enterprise",
  "instance": "urn:trace-id:a02dd867a1f25600d6806dd6"
}
```

404 Not Found – Identifier Not Found

The resource identifier provided in the request does not exist in the database.

Verify that you are using the correct identifier. Check for typos or outdated IDs, correct the value, and resend your request.

```
{
  "type": "urn:problem-type:entityNotFound",
  "title": "Not Found",
  "status": 404,
  "detail": "The following entity [2153151] was not found",
  "instance": "urn:traceId:d02bd86770e53bb31b14e063"
}
```

404 Not Found – RepresentedEnterpriseNumber Not Found in DAC Service

The ***representedEnterpriseNumber*** supplied in your request does not exist in the **Data Access Controller (Mahis) service**.

Confirm that the CBE number you are using has been registered in the **Mahis system**. Correct any typos or registration issues, then retry your request.

```
{
  "type": "urn:problem-type:citizenMandates:DacService",
  "title": "Dac Service Problem",
  "status": 404,
  "detail": "Dac Service Problem",
  "instance": "urn:trace-id:1b2dd867a7f7533d304c1338"
}
```

409 Conflict – Mandate Cannot Be Disabled

The specified mandate is already in a **stopped** or **inactive** state and cannot be disabled again.

Confirm the current status of the mandate before attempting to disable it.

Only active mandates may be disabled, for stopped or inactive mandates, no further action is required.

```
{
  "type": "urn:problem-type:citizenMandates:mandateNotDisableable",
  "title": "Mandate Cannot Be Disabled",
  "status": 409,
  "detail": "The requested mandate cannot be disabled because it is not active or has already been revoked.",
  "instance": "urn:trace-id:8f2cd867daf56563ef425cd9"
}
```

422 Unprocessable Entity – Representative Not Found

This error occurs when the request body sets ***createMandateWithRepresentative*** to ***true***, but the CBE number embedded in the access token **does not have an active “DmFa” enterprise mandate registered in Mahis**.

Verify that the enterprise identified by the token’s CBE number holds a current **“DmFa”** mandate in the **Mahis system**. Once the mandate is created or reactivated, resend your request.

```
{
  "type": "urn:problem-type:citizenMandates:representativeNotFound",
  "title": "No representative",
  "status": 422,
  "detail": "Representative not found. A representative is required when createMandateWithRepresentative is set to true."
}
```


503 Service Unavailable

Returned by the **GET/health endpoint** when the backend service is down or otherwise not operational.

Retry the request after a brief interval. If the service remains unavailable **contact Social Security support for assistance.**

```
{  
  "status": "DOWN"  
}
```