

NARCOREG REST Web Services

NARCOREG – REST SERVICES COOKBOOK FOR AUTHORIZATION CODE FLOW (Pharmacies)

Version 1.1

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SMALS

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Document management

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References

Topics	Reference (url)
OAuth2	http://oauth.net/2/
OAuth2 RFC	http://tools.ietf.org/html/rfc6749
IAM Connect client registration (Web App)	https://www.ehealth.fgov.be/ehealthplatform/file/view/AXPC07OvyLwYq_7rrxt7?filename=IAM%20Connect%20Client%20registration%20v1.1%20dd%2012082019.pdf
IAM Connect client registration (M2M)	https://www.ehealth.fgov.be/ehealthplatform/file/view/AXEWNeq2VF2eEz_QeBLv0?filename=I.AM%20Connect%20-%20M2M%20Client%20registration_FORM%20%20v1.1%20dd%2007072021.pdf
Welcome pack	https://www.ehealth.fgov.be/ehealthplatform/nl/service-welcome-pack
eHealth web access	https://www.ehealth.fgov.be/ehealthplatform/file/view/AWSOiPc7JW4b-4n3_BRM?filename=eHealth%20Services%20-%20Web%20Access%20v2-0.pdf

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1. Introduction

1.1 Goal of the service

The goal of the NARCOREG REST web service is to provide a lightweight service for managing notifications of narcotics transfer (purchase and sales) in Belgium. These notifications contain the identification of the narcotic, the order date and physical shipment date, the transferType, the trade partner and the quantity of the product.

1.2 Goal of the document

This document provides functional and technical information and allows an organization to integrate the NARCOREG services in their own custom application.

This document will provide all the necessary elements to get you started developing. It explains in that context:

- The structure and content aspects of the possible requests and the replies (see point 4)
- Support and technical requirements (see point 2 & 3 of this document)

Also, a list of possible errors can be found in this document (see point 5 of this document).

This document is neither a development nor a programming guide for internal applications. eHealth partners always keep a total freedom and lead with the security aspects. Nevertheless, in order to interact in a smooth, homogeneous and risk controlled way with a maximum of partners, eHealth partners must commit to comply with specifications and release processes that will be listed but not described in this document. In addition, our partners in the health sector must also comply with the business rules of validation and integration of data within their own applications in order to minimize errors and incidents.

1.3 Stakeholders and intervenants

FAMHP

The support of the REST architecture within Smals is a transversal strategic decision sponsored by the FAMHP. This document comes from a motivation of the agency in order to provide a base of assistance to the integrators.

Smals dev team

On the one hand, application managers will have to deal with new processes or existing processes modified for REST. We are particularly thinking here of the 'dossier unique' procedure which will have to be adapted to cover the contributions of REST security. On the other hand, application developers must be able to integrate their application with the REST security layer that will have been defined.

3rd party Integrator

The security applied to REST services will not always be transparent to these users. In most cases, the security layer will need to communicate with the user in order to perform access control of the called REST service.

2. Support

2.1 For issues in production

eHealth platform contact center:

- Phone: 02/788 51 55
- Mail: support@ehealth.fgov.be
- Contact Form :
 - <https://www.ehealth.fgov.be/ehealthplatform/nl/contact> (Dutch)
 - <https://www.ehealth.fgov.be/ehealthplatform/fr/contact> (French)

2.2 For issues in acceptance

- Mail: integration-support@ehealth.fgov.be

2.3 For business issues

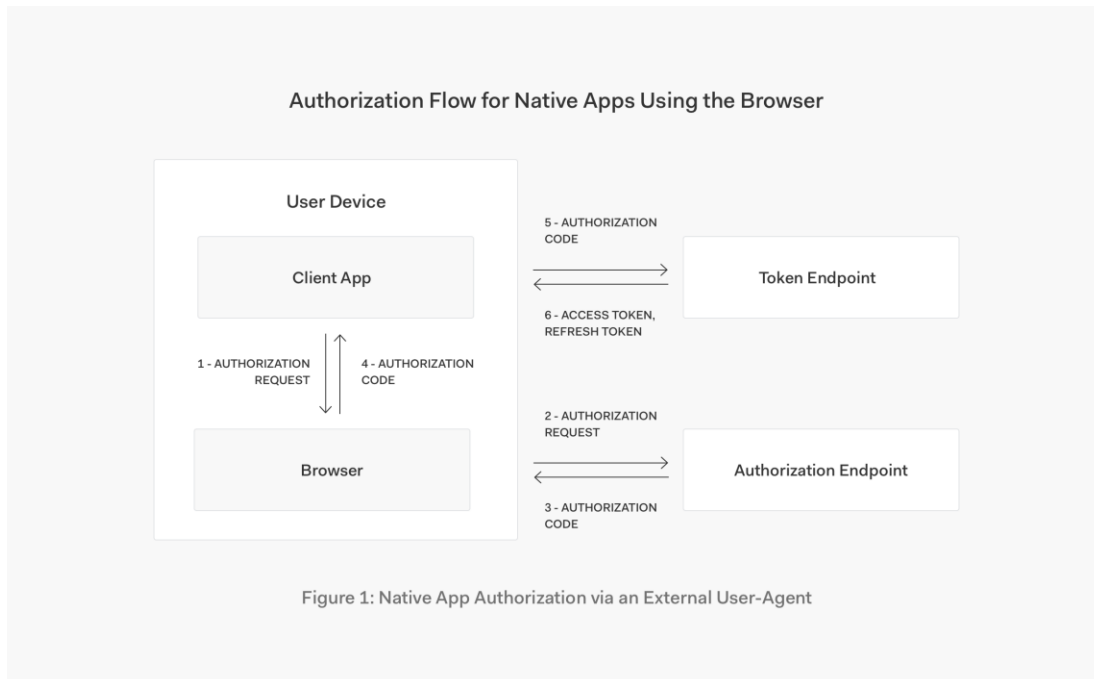
- regarding an existing project: the project manager in charge of the application or service
- regarding a new project and other business issues: info@ehealth.fgov.be

2.4 Certificates

- There is no need to request eHealth certificates in case you are integrating Narcoreg API through an authorization code flow (see details in section 3).

3. Generalities

3.1 High-level schema



1. Client app opens a browser tab with the authorization request.

[{auth-endpoint}/auth?client_id=famhp-bonstuf&redirect_uri=http://localhost:8080/bonstuf&response_mode=query&response_type=code&scope=openid&nonce={uuid}](#)

- a. auth-endpoint
 - i. ACC - <https://api-acpt.ehealth.fgov.be/auth/realms/healthcare/protocol/openid-connect>
 - ii. PROD - <https://api.ehealth.fgov.be/auth/realms/healthcare/protocol/openid-connect>
- b. nonce = uuid generated as a conversation ID. A check must happen that the received token contains the nonce matching the authorization request.
- c. If more details are needed, check [eHealth IAM Connect technical specifications](#)
2. Authorization endpoint receives the authorization request, authenticates the user, and obtains authorization. Authenticating the user may involve chaining to other authentication systems (eID, Itsme, ...). The authentication is therefore user-centered instead of organization-centered. Same rules as the Narcoreg Web Application apply (regarding pharmacies and exotic actors). For more information check the [user manual](#).
3. Authorization server issues an authorization code to the redirect URI.
4. Client receives the authorization code from the redirect URI. Client app has to expose following endpoint <http://localhost:8080/bonstuf>. It receives the authorization code via the request

parameter “code”.

5. Client app presents the authorization code at the token endpoint.

POST [{auth-endpoint}/token](#)

Content-Type: application/x-www-form-urlencoded

Body: code={authorization-code}&grant_type=authorization_code&client_id=famhp-bonstup&redirect_uri=http://localhost:8080/bonstup

- a. authorization-code = output of the authorization request (step 1)

6. Client receives the access token from authorization service and can then use it in every transaction with Narcoreg API.

3.2 Onboarding procedure

1. (Public and hospital pharmacies can skip this step) Register at FAMHP
 - Get in touch with FAMHP to be recognized as actors handling narcotics and psychotropics.
 - e-mail: narcotics@fagg-afmps.be
2. Test application in acceptance (testing environment)
 - Be sure you've deployed an endpoint on your application to retrieve authentication token on <http://localhost:8080/bonstup> (or whatever URL you've onboarded with eHealth)
3. Validate acceptance testing with FAMHP Narcotics team
 - e-mail: narcotics@fagg-afmps.be
4. Go PROD

3.3 Endpoints

The REST interfaces are described with a JSON / Swagger API.

- ACC: <https://famhp-bonstup.acc.pub.vascloud.be/swagger/swagger-ui.html>
- PROD: <https://narcoreg.be/swagger/swagger-ui.html>

The base URL's for the different environments are :

- ACC: <https://famhp-bonstup.acc.pub.vascloud.be/rest/v1>
- PROD: <https://www.narcoreg.be/rest/v1>

3.4 Technical requirements

The solution will be based on the OAuth2 standard, this standard describes an architecture that meets the security needs of REST services. This standard therefore constitutes in itself an analysis of the solution to be implemented to meet the functional needs described in this document. Note: The standard defines the principles and functionalities of the solution but does not directly provide an implementation of this solution.

The JSON Web Token format (also a standard) will be used for the materialization of OAuth2 security tokens (access-token, refresh-token, ...).

The solution must integrate with the existing authentication and access control components IAM Connect and UAM.

- UAM: User and Access management components will likely be modified to meet REST needs and will be an integral part of the solution.

The system must be able to be integrated at the level of the ESB (Oracle Service Bus – Weblogic).

- ESB: The ESB plays an important role in controlling access to web services. The ESB will have to integrate certain components of the REST solution

More information can be found at eHealth side (see **References**).

4. Web services operations

4.1 Swagger API

The REST interface is described with a JSON/ Swagger API.

All of the methods consume and produce the JavaScript Object Notation (JSON), a lightweight, text-based and language-independent data interchange format.

The MIME type to be used is **application/json** with default encoding UTF-8.

If you are integrating with the Narcoreg REST API without a certificate (e.g. using the authorization code flow via eID or Itsme authentication), you should omit the hcoNumber header parameter. This parameter is only applicable for integrations that use certificate-based authentication.

4.2 **POST** /rest/v1/declarations

Create a declaration

4.2.1 Parameters

Example value [declaration] body

```
{
  "orderDate": "2022-06-08",
  "physicalShipmentDate": "2022-06-08",
  "quantity": 1,
  "transferType": "SALE",
  "narcoticCode": "string",
  "cnkCode": "string",
  "tradePartnerId": "string"
}
```

Param	Type	Description
orderDate	string(\$date)	Date of order placement (YYYY-MM-DD)
physicalShipmentDate	string(\$date)	Receipt / Shipment date (YYYY-MM-DD)
quantity	number(\$float)	The amount of products shipped (cannot be zero or negative). Pattern: ^-?(0\.\d*[1-9]\d* [1-9]\d*(\.\d+)?)\$
transferType	string	The type of transaction Enum : [SALE, PURCHASE]
narcoticCode	string	minLength: 6 maxLength: 7 Primary logical Identifier for the narcotic product (NarcoticCode or CnkCode is required). Always contains 6 digits with sometimes a letter as 7th character. If there are less than 6 digits,

		leading zeros must be added to reach the count. Namely, a narcoticCode "12345A" is 6 characters long but contains only 5 digits. "012345A" is the correct version.
cnkCode	string	Exact length: 7 If there are less than 7 digits, leading zeros must be added to reach the count. Secondary logical Identifier for the narcotic product (NarcoticCode or CnkCode is required).
tradePartnerId	string	maxLength: 6 Logical identifier of the other actor trading in this transfer. If there are less than 6 digits, leading zeros must be added to reach the count.
declarantIdentifier	string	maxLength: 6 HCO number of the declarant or initiator. This field is optional. In standard cases, the HCO number is automatically derived from the user's token. However, for admin users, this field can be used to create a declaration on behalf of another company.

4.2.2 Responses

Example value [declaration] response Code 200

```
{
  "id": "12356097-6bfd-45cf-a26d-54e0bb6515dc",
  "declarationNumber": "20250306-050022-00001",
  "initiator": {
    "id": "181663db-310f-3727-96b1-f7c8243d6d14",
    "authorizationNumber": "050022",
    "denomination": "Pharmacist",
    "street": "Middenweg 90",
    "zipCode": "1130",
    "city": "Brussel",
    "active": true,
    "role": "ACTIVITY_PHARMACY",
    "cbeNumber": "0410424222"
  },
  "product": {
    "id": "d0d687af-31d3-2043-96e5-b9178036847d",
    "narcoticCode": "000103A",
    "denomination": "Test Product 3A",
    "active": true
  },
  "physicalShipmentDate": "2025-03-06",
  "orderDate": "2025-03-06",
  "transferType": "SALE",
  "tradePartner": {
    "id": "b6a910fb-3e11-494a-bc19-4d4bd5d58883",
```

```

    "authorizationNumber": "213006",
    "denomination": "Babay Pharma (213006)",
    "street": "rue du Mérinos, 18",
    "zipCode": "1210",
    "city": "Sint-Joost-ten-Node",
    "active": true,
    "role": "ACTIVITY_PHARMACY_PUBLIC",
    "cbeNumber": "1010855608"
  },
  "quantity": 1,
  "declarationDate": "2025-03-06T17:13:03.160001779",
  "deleted": false,
  "editable": true
}

```

4.2.3 Codes

- 200 : OK
- 400 : BAD REQUEST (constraint violation)

```

{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string",
  "violations": [
    {
      "field": "string",
      "message": "DATE_CAN_NOT_BE_IN_FUTURE"
    }
  ]
}

```

- 401 : UNAUTHORIZED
- 403 : FORBIDDEN
- 404 : NOT FOUND
- 500 : INTERNAL SERVER ERROR

```

{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string"
}

```

4.3 POST /rest/v1/declarations/bulk

Create multiple declarations, maximum 500 declarations at once.

4.3.1 Parameters

Example value [declaration] body (array)

```

[
  {
    "orderDate": "2022-06-08",
    "physicalShipmentDate": "2022-06-08",

```

```

"quantity": 0,
"transferType": "SALE",
"narcoticCode": "string",
"cnkCode": "string",
"tradePartnerId": "string"
}
]

```

Param	Type	Description
orderDate	string(\$date)	Date of order placement (YYYY-MM-DD)
physicalShipmentDate	string(\$date)	Receipt / Shipment date (YYYY-MM-DD)
quantity	number(\$float)	The amount of products shipped (cannot be zero or negative). Pattern: ^-?(0\\.d*[1-9]d* [[1-9]d*(\\.d+)?)\$
transferType	string	The type of transaction Enum : [SALE, PURCHASE]
narcoticCode	string	minLength: 6 maxLength: 7 Primary logical Identifier for the narcotic product. (NarcoticCode or CnkCode is required) Always contains 6 digits with sometimes a letter as 7th character. If there are less than 6 digits, leading zeros must be added to reach the count. Namely, a narcoticCode "12345A" is 6 characters long but contains only 5 digits. "012345A" is the correct version.
cnkCode	string	Exact length: 7 If there are less than 7 digits, leading zeros must be added to reach the count. Secondary logical Identifier for the narcotic product (NarcoticCode or CnkCode is required).
tradePartnerId	string	maxLength: 6 Logical identifier of the other actor trading in this transfer. If there are less than 6 digits, leading zeros must be added to reach the count.
declarantIdentifier	String	maxLength: 6 HCO number of the declarant or initiator. This field is optional. In standard cases, the HCO number is automatically derived from the user's token. However, for admin users, this field can be used to create a declaration on behalf of another company.

4.3.2 Responses

Example value [declaration] response Code 200

4.3.3 Codes

- 200 : OK
- 400 : BAD REQUEST

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string"
}
```

- 401 : UNAUTHORIZED
- 403 : FORBIDDEN
- 404 : NOT FOUND
- 500 : INTERNAL SERVER ERROR

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string"
}
```

4.4 GET /rest/v1/declarations

Find declarations that match the search parameters. Only declarations the user is the beneficiary or the initiator of are included in the response.

4.4.1 Parameters

Query parameters

Param	Type	Description
declarationEndDate	string(\$date)	declarationEndDate
declarationStartDate	string(\$date)	declarationStartDate
isSortAscending	boolean	Flag determining the sort direction of the results (Ascending or Descending).
narcoticCode	string	narcoticCode minLength: 6 maxLength: 7 Primary logical Identifier for the narcotic product (NarcoticCode or CnkCode is required). Always contains 6 digits with sometimes a letter as 7th character. If there are less than 6 digits, leading zeros must be added to reach the count.

		Namely, a narcoticCode "12345A" is 6 characters long but contains only 5 digits. "012345A" is the correct version.
cnkCode	string	Exact length: 7 If there are less than 7 digits, leading zeros must be added to reach the count. Secondary logical Identifier for the narcotic product (NarcoticCode or CnkCode is required).
orderEndDate	string(\$date)	orderEndDate
orderStartDate	string(\$date)	orderStartDate
page	integer(\$int32)	Default value : 0
pageSize	integer(\$int32)	Default value : 25
physicalShipmentEndDate	string(\$date)	physicalShipmentEndDate
physicalShipmentStartDate	string(\$date)	physicalShipmentStartDate
quantityCondition		quantityCondition - the comparison operator for the declaration value and the quantity parameters (quantityFrom and quantityTo) Available values : EQUAL, LESS_THAN, LESS_THAN_OR_EQUAL, GREATER_THAN, GREATER_THAN_OR_EQUAL, NOT_EQUAL, BETWEEN Default value : EQUAL
quantityFrom	number(\$float)	quantityFrom - only needed when the quantityCondition is BETWEEN
quantityTo	number(\$float)	quantityTo - the right-side of the chosen comparison operator (quantityCondition)
sortProperty	string	The property to sort the declarations by (case-insensitive) Available values : transferType, orderDate, physicalShipmentDate, quantity, narcoticCode, tradePartnerId, declarationDate Default value : declarationDate
tradePartnerId	string	tradePartnerId
transferType	string	Available values : SALE, PURCHASE
status	string	Available values : ALL, ACTIVE, DELETED
declarationNumber	string	declarationNumber
declarantIdentifier	string	declarantIdentifier

4.4.2 Responses

Example value [declaration] response Code 200

```
{
  "totalElements": 0,
  "totalPages": 0,
  "elements": [
    {
      "orderDate": "2022-06-08",
      "physicalShipmentDate": "2022-06-08",
      "quantity": 0,
      "transferType": "SALE",
      "declarationDate": "2022-06-08",
      "id": "string",
      "initiator": {
        "active": true,
        "authorizationNumber": "string",
        "cbeNumber": "string",
        "city": "string",
        "denomination": "string",
        "id": "string",
        "role": "ACTIVITY_DISTRIBUTOR",
        "street": "string",
        "zipCode": "string"
      },
      "product": {
        "active": true,
        "denomination": "string",
        "id": "string",
        "narcoticCode": "string",
        "cnkCode": "string"
      },
      "tradePartner": {
        "active": true,
        "authorizationNumber": "string",
        "cbeNumber": "string",
        "city": "string",
        "denomination": "string",
        "id": "string",
        "role": "ACTIVITY_DISTRIBUTOR",
        "street": "string",
        "zipCode": "string"
      }
    }
  ]
}
```

4.4.3 Codes

- 200 : OK
- 400 : BAD REQUEST

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string"
}
```

```
}
```

- 401 : UNAUTHORIZED
- 403 : FORBIDDEN
- 404 : NOT FOUND
- 500 : INTERNAL SERVER ERROR

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string"
}
```

4.5 GET /rest/v1/actors

Get a list of actors

4.5.1 Parameters

Query parameters

Param	Type	Description
page	integer(\$int32)	Default value : 0 Pagenumber, should be greater than or equal to zero.
pageSize	integer(\$int32)	Default value : 25 Maximum amount of results in the response.

4.5.2 Responses

Example value [actor] response Code 200

```
{
  "totalElements": 0,
  "totalPages": 0,
  "elements": [
    {
      "active": true,
      "authorizationNumber": "string",
      "cbeNumber": "string",
      "city": "string",
      "denomination": "string",
      "id": "string",
      "role": "ACTIVITY_DISTRIBUTOR",
      "street": "string",
      "zipCode": "string"
    }
  ]
}
```

Param	Type	Description
role	string	The type of transaction Enum : [ACTIVITY_DISTRIBUTOR, ACTIVITY_FULL_LINE_WHOLESALE,

		ACTIVITY_MANUFACTURER, ACTIVITY_MANUFACTURER_AND_DISTRIBUTOR, ACTIVITY_OTHER, ACTIVITY_PHARMACY, END_USER_LABORATORY, UNKNOWN]
--	--	--

4.5.3 Codes

- 200 : OK
- 400 : BAD REQUEST

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string"
}
```

- 401 : UNAUTHORIZED
- 403 : FORBIDDEN
- 404 : NOT FOUND
- 500 : INTERNAL SERVER ERROR

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string"
}
```

4.6 GET /rest/v1/products

Get a list of products

4.6.1 Parameters

Query parameters

Param	Type	Description
page	integer(\$int32)	Default value : 0 Pagenumber, should be greater than or equal to zero.
pageSize	integer(\$int32)	Default value : 25 Maximum amount of results in the response.

4.6.2 Responses

Example value [product] response Code 200

```
{
  "totalElements": 0,
  "totalPages": 0,
  "elements": [
```

```
{
  "active": true,
  "denomination": "string",
  "id": "string",
  "narcoticCode": "string",
  "cnkCode": "string"
}
```

4.6.3 Codes

- 200 : OK
- 400 : BAD REQUEST

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string"
}
```

- 401 : UNAUTHORIZED
- 403 : FORBIDDEN
- 404 : NOT FOUND
- 500 : INTERNAL SERVER ERROR

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string"
}
```

4.7 GET /rest/v1/declarations/{declarationNumber}

Get a declaration with its versions. Deleted declarations are included.

4.7.1 Parameters

Param	Type	Description
declarationNumber	string	declarationNumber
hcoNumber	string	Example : 012345

4.7.2 Responses

```
{
  "id": "15dc57fa-d091-4263-80ef-65864f4c5ae1",
  "declarationNumber": "55300396-843800-86302",
  "initiator": {
    "id": "b516cbef-9945-7401-7baf-380707dd67d4",
```

```

    "authorizationNumber": "999999",
    "denomination": "Company name",
    "street": "Street name 20",
    "zipCode": "1000",
    "city": "Brussels",
    "active": true,
    "role": "ACTIVITY_DISTRIBUTOR",
    "cbeNumber": "0123456789"
  },
  "product": {
    "id": "5447231e-92b9-30b4-8884-585f818a989f",
    "narcoticCode": "609106",
    "cnkCode": "818971",
    "denomination": "TEMGESIC D/B 50 CO 0,2 MG BASE",
    "active": true
  },
  "physicalShipmentDate": "2023-01-31",
  "orderDate": "2023-01-29",
  "transferType": "PURCHASE",
  "tradePartner": {
    "id": "b516cbef-9945-7401-7baf-380707dd67d4",
    "authorizationNumber": "999999",
    "denomination": "Company name",
    "street": "Street name 20",
    "zipCode": "1000",
    "city": "Brussels",
    "active": true,
    "role": "ACTIVITY_DISTRIBUTOR",
    "cbeNumber": "0123456789"
  },
  "quantity": 1.99,
  "declarationDate": "2025-03-06T16:05:16.177Z",
  "checksum": "string",
  "potentialDuplicate": true,
  "deleted": true,
  "editable": true,
  "versions": [
    {
      "version": 1,
      "type": "CREATE",
      "changes": {
        "narcoticCode": "string",
        "cnkCode": "string",
        "physicalShipmentDate": "2025-03-06",
        "orderDate": "2025-03-06",
        "transferType": "SALE",
        "tradePartnerId": "string",
        "quantity": 0
      },
      "author": "John Doe",
      "reason": "Changing quantity.",
      "createTms": "2025-03-06T16:05:16.177Z"
    }
  ]
}

```

4.7.3 Codes

- 200 : OK
- 400 : BAD REQUEST

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string"
}
```

- 401 : UNAUTHORIZED
- 403 : FORBIDDEN
- 404 : NOT FOUND
- 500 : INTERNAL SERVER ERROR

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string"
}
```

4.8 GET /rest/v1/declarations/export

Export declarations that match the search parameters, only declarations the user is the initiator of are included in the response.

4.8.1 Parameters

Param	Type	Description
format	string	Available values : csv
narcoticCode	string	narcoticCode
cnkCode	string	Default value : N/A
physicalShipmentStartDate	string(\$date)	physicalShipmentStartDate
physicalShipmentEndDate	string(\$date)	physicalShipmentEndDate
orderStartDate	string(\$date)	orderStartDate
orderEndDate	string(\$date)	orderEndDate
declarationStartDate	string(\$date)	declarationStartDate
declarationEndDate	string(\$date)	declarationEndDate
transferType	string	Available values : SALE, PURCHASE
tradePartnerId	string	tradePartnerId
quantityFrom	number(\$float)	quantityFrom
quantityTo	number(\$float)	quantityTo
quantityCondition	string	Available values : EQUAL, LESS_THAN, LESS_THAN_OR_EQUAL, GREATER_THAN,

		GREATER_THAN_OR_EQUAL, NOT_EQUAL, BETWEEN
		Default value : EQUAL
sortProperty	string	Default value : declarationDate
isSortAscending	boolean	Default value : false
status	string	Available values : ALL, ACTIVE, DELETED
declarationNumber	string	declarationNumber
declarantIdentifier	string	declarantIdentifier
hcoNumber	string	Example : 012345

4.8.2 Responses

Byte array : Csv file content

4.8.3 Codes

- 200 : OK
- 400 : BAD REQUEST

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string"
}
```

- 401 : UNAUTHORIZED
- 403 : FORBIDDEN
- 404 : NOT FOUND
- 500 : INTERNAL SERVER ERROR

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string"
}
```

4.9 POST /rest/v1/declarations/validation

Validate multiple declarations, max 500 at once.

4.9.1 Parameters

Param	Type	Description
orderDate	string(\$date)	Date of order placement (YYYY-MM-DD)
physicalShipmentDate	string(\$date)	Receipt / Shipment date (YYYY-MM-DD)
quantity	number(\$float)	The amount of products shipped (cannot be zero or negative). Pattern: <code>^-?(0\.\d*[1-9]\d* 1\.\d+)?\d+\$</code>
transferType	string	The type of transaction Enum : [SALE, PURCHASE]
narcoticCode	string	minLength: 6 maxLength: 7 Primary logical Identifier for the narcotic product (NarcoticCode or CnkCode is required). Always contains 6 digits with sometimes a letter as 7th character. If there are less than 6 digits, leading zeros must be added to reach the count. Namely, a narcoticCode "12345A" is 6 characters long but contains only 5 digits. "012345A" is the correct version
cnkCode	string	Exact length: 7 If there are less than 7 digits, leading zeros must be added to reach the count. Secondary logical Identifier for the narcotic product (NarcoticCode or CnkCode is required).
tradePartnerId	string	maxLength: 6 Logical identifier of the other actor trading in this transfer. If there are less than 6 digits, leading zeros must be added to reach the count.
declarantIdentifier	String	maxLength: 6 HCO number of the declarant or initiator. This field is optional. In standard cases, the HCO number is automatically derived from the user's token. However, for admin users, this field can be used to create a declaration on behalf of another company.

4.9.2 Responses

```
[
  {
    "id": "15dc57fa-d091-4263-80ef-65864f4c5ae1",
    "declarationNumber": "81482647-916036-52298",
    "initiator": {
      "id": "b516cbef-9945-7401-7baf-380707dd67d4",
      "authorizationNumber": "999999",
      "denomination": "Company name",
      "street": "Street name 20",
      "zipCode": "1000",
      "city": "Brussels",
      "active": true,
      "role": "ACTIVITY_DISTRIBUTOR",
      "cbeNumber": "0123456789"
    },
    "product": {
      "id": "5447231e-92b9-30b4-8884-585f818a989f",
      "narcoticCode": "609106",
      "cnkCode": "818971",
      "denomination": "TEMGESIC D/B 50 CO 0,2 MG BASE",
      "active": true
    },
    "physicalShipmentDate": "2023-01-31",
    "orderDate": "2023-01-29",
    "transferType": "PURCHASE",
    "tradePartner": {
      "id": "b516cbef-9945-7401-7baf-380707dd67d4",
      "authorizationNumber": "999999",
      "denomination": "Company name",
      "street": "Street name 20",
      "zipCode": "1000",
      "city": "Brussels",
      "active": true,
      "role": "ACTIVITY_DISTRIBUTOR",
      "cbeNumber": "0123456789"
    },
    "quantity": 1.99,
    "declarationDate": "2025-03-07T08:47:09.245Z",
    "checksum": "string",
    "potentialDuplicate": true,
    "deleted": true,
    "editable": true,
    "versions": [
      {
        "version": 1,
        "type": "CREATE",
        "changes": {
          "narcoticCode": "string",
          "cnkCode": "string",
          "physicalShipmentDate": "2025-03-07",
          "orderDate": "2025-03-07",
          "transferType": "SALE",
          "tradePartnerId": "string",
          "quantity": 0
        }
      }
    ],
    "author": "John Doe",
  }
]
```

```

    "reason": "Changing quantity.",
    "createTms": "2025-03-07T08:47:09.245Z"
  }
]

```

4.9.3 Codes

- 200 : OK
- 400 : BAD REQUEST

```

{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string"
}

```

- 401 : UNAUTHORIZED
- 403 : FORBIDDEN
- 404 : NOT FOUND
- 500 : INTERNAL SERVER ERROR

```

{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string"
}

```

4.10 PATCH /rest/v1/declarations/{declarationNumber}

Update a declaration. Return the updated declaration with its versions.

4.10.1 Parameters

Param	Type	Description
declarationNumber	string	declarationNumber
hcoNumber	string	Example : 012345

```

{
  "reason": "Mistake in Quantity",
  "deleted": true,
  "narcoticCode": "609106",
  "cnkCode": "818971",
  "physicalShipmentDate": "2023-01-31",
  "orderDate": "2023-01-29",
  "transferType": "PURCHASE",
  "tradePartnerId": "999999",

```

```
"quantity": 1.99
}
```

4.10.2 Responses

```
{
  "id": "15dc57fa-d091-4263-80ef-65864f4c5ae1",
  "declarationNumber": "42521887-955396-40918",
  "initiator": {
    "id": "b516cbef-9945-7401-7baf-380707dd67d4",
    "authorizationNumber": "999999",
    "denomination": "Company name",
    "street": "Street name 20",
    "zipCode": "1000",
    "city": "Brussels",
    "active": true,
    "role": "ACTIVITY_DISTRIBUTOR",
    "cbeNumber": "0123456789"
  },
  "product": {
    "id": "5447231e-92b9-30b4-8884-585f818a989f",
    "narcoticCode": "609106",
    "cnkCode": "818971",
    "denomination": "TEMGESIC D/B 50 CO 0,2 MG BASE",
    "active": true
  },
  "physicalShipmentDate": "2023-01-31",
  "orderDate": "2023-01-29",
  "transferType": "PURCHASE",
  "tradePartner": {
    "id": "b516cbef-9945-7401-7baf-380707dd67d4",
    "authorizationNumber": "999999",
    "denomination": "Company name",
    "street": "Street name 20",
    "zipCode": "1000",
    "city": "Brussels",
    "active": true,
    "role": "ACTIVITY_DISTRIBUTOR",
    "cbeNumber": "0123456789"
  },
  "quantity": 1.99,
  "declarationDate": "2025-03-07T13:19:20.636Z",
  "checksum": "string",
  "potentialDuplicate": true,
  "deleted": true,
  "editable": true,
  "versions": [
    {
      "version": 1,
      "type": "CREATE",
      "changes": {
        "narcoticCode": "string",
        "cnkCode": "string",
        "physicalShipmentDate": "2025-03-07",
        "orderDate": "2025-03-07",
        "transferType": "SALE",
        "tradePartnerId": "string",
        "quantity": 0
      }
    }
  ],
  "author": "John Doe",
}
```

```

    "reason": "Changing quantity.",
    "createTms": "2025-03-07T13:19:20.636Z"
  }
]
}

```

4.10.3 Codes

- 200 : OK
- 400 : BAD REQUEST

```

• {
•   "type": "string",
•   "title": "string",
•   "status": 0,
•   "detail": "string"
• }

```

- 401 : UNAUTHORIZED
- 403 : FORBIDDEN
- 404 : NOT FOUND
- 500 : INTERNAL SERVER ERROR

```

• {
•   "type": "string",
•   "title": "string",
•   "status": 0,
•   "detail": "string"
• }

```

4.11 DELETE /rest/v1/declarations

Delete multiple declarations, max 500 at once.

4.11.1 Parameters

Param	Type	Description
hcoNumber	string	Example : 012345

4.11.2 Request Body

```

{
  "reason": "Mistake in tradePartner",
  "declarationNumbers": "['20250101-999999-00001', '20250101-999999-00002']"
}

```

4.11.3 Responses

- Default: List of declarationNumbers that were successfully soft deleted*, without numbers that were already deleted.

*Soft delete : the record is marked as deleted (with a timestamp) instead of being permanently removed from the database.

4.11.4 Codes

- 200 : OK
- 400 : BAD REQUEST

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string"
}
```

- 401 : UNAUTHORIZED
- 403 : FORBIDDEN
- 404 : NOT FOUND
- 500 : INTERNAL SERVER ERROR

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string"
}
```

4.12 GET /rest/v1/notifications

Get active notifications

4.12.1 Codes

- 200 : OK
- 400 : BAD REQUEST

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string"
}
```

- 401 : UNAUTHORIZED
- 403 : FORBIDDEN
- 404 : NOT FOUND

- 500 : INTERNAL SERVER ERROR

```
• {  
•   "type": "string",  
•   "title": "string",  
•   "status": 0,  
•   "detail": "string"  
• }
```

5. Others

5.1 Error codes

5.1.1 Declaration error codes

A list of violations linked to their corresponding field:

Error message key	Explanation
ORDER_DATE_CANNOT_BE_TOO_EARLY	Order date must happen close to the declaration date. Accepted values must be later than: max (01-01-2023 ; today - 5 years).
DATE_NOT_IN_FUTURE	Where Order and Physical incoming shipment date cannot be > than declaration date.
ACTOR_NOT_ACTIVE	Where Actor is considered as inactive by the authentic source (FAMHP).
ACTOR_NOT_ALLOWED	Where Actor is not allowed to declare the transfer because of its restricted role.
ACTOR_NOT_ALLOWED_AS_TRADINGPARTNER	Where trade partner is not allowed to be declared as such because of its restricted role. Or When a transaction supposes that an unknown or inactive actor is the trade partner, then such error code appears.
ACTOR_NOT_FOUND	Encoded actor's ID is not found or recognized.
ACTOR_UNKNOWN_ROLE	This error is not expected to occur. If it does, please contact support for assistance.
DECLARATIONS_MAX	When more than 500 declarations are submitted within bulk upload.
DECLARATIONS_MAX_EXPORTABLE	The amount of declarations found (SIZE) exceeds the export limit of 65 000. Refine your search criteria to get an amount that equals to 65 000 or less.

DECLARATIONS_CSV_EXPORT	Error creating CSV.
INVALID_DATE	Invalid date format.
INVALID_SIZE	Returned when a narcoticCode is too short or too long (6 or 7 characters are expected).
TRADINGPARTNER_CAN_NOT_BE_DECLARANT	When the declarant actor tries to sell or buy to or from themselves.
NOT_BLANK	Empty value when field is required or mandatory.
NOT_NULL	Null value when field is required or mandatory.
NOT_NEGATIVE_OR_ZERO	Quantity must be positive and different from zero.
ORDER_DATE_CAN_NOT_BE_AFTER_SHIPMENT_DATE	Order is supposed to be placed before or on the day of shipment.
PRODUCT_NOT_ACTIVE	Where product is considered as inactive by the authentic source (FAMHP).
PRODUCT_NOT_FOUND PRODUCT_IDENTIFIER_NOT_PRESENT	It means that the provided text does not correspond to a narcotic code or cnk code in the database.
VALUE_0_NOT_ALLOWED	"0" quantity is not allowed.
HCO_HEADER_NOT_PRESENT HCO_HEADER_NOT_PROVIDED	Header parameter 'hcoNumber' is not provided, while JWT access token only contains CBE.
INCORRECT_HCO_FORMAT	HCO number should be 6 digits.
ACTOR_NOT_ALLOWED	HCO header is provided in header parameter of request but it does not belong to CBE number present in access token.
TOKEN_NOT_VALID	JWT Access token without NIHII / HCO / CBE
FORBIDDEN_ACTION	Occurs when trying to interact with different actors' data.