



SERVICE MESSAGE DESCRIPTION

NRPROXY V1.00

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Fedict - Federale Overheidsdienst ICT
Fedict - Service Public Fédéral ICT



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Content

1. Introduction	4
2. Request and response message	5
2.1. GENERAL STRUCTURE	5
2.1.1. Request message	5
2.1.2. Response message	5
2.1.3. Additional context/entity information	6
2.1.4. Used code lists and enumerations	7
2.2. OPERATION GET*(PERSON NUMBER, INCLUDEHISTORY)	8
2.2.1. Request	8
2.2.2. Response	8
2.2.3. Examples	8
3. Basic service information	11
3.1. SERVICE ACCESS PARAMETERS	11
Appendix	12
REFERENCE DOCUMENTS	12
BIBLIOGRAPHY	12

Table 1 Document History

Version	When	Who	What
V0.01	2012-06-14	Johan Boogaerts	Draft

Table 2 Document validation

version	Name	Function	Comments	Approval date
0.01	Yves-Alexandre vander Schelde	Program Analyst	Revision to be done	N/A

Objective of this document

This document describes request and response messages.

In principle the messages are as well documented via annotations in the corresponding XSD file. The documentation in the XSD is limited to the business entities. Relationships between business entities are additionally described in this document.

The complete functional package contains: E-government context, Service Portfolio, Webservice & Operation, Service Message Content, Service Error Codes, Service Testplans and service management documents.

Target group

This document is intended to be read by analysts and developers.



1. Introduction

The person services support the common requirements of our consumers. Some of our consumers need particular information not of interest for most of the consumers.

An example is the profession of a person. FPS Justice requires the information for the preparation of the composition of the jury for the court of Assizes. The requirement of FPS Justice is not common for our consumers.

To support those particular one-off requirements, Fedict offers a service returning per operation a limited set of information out of the authentic source.

The NRproxy returns person details for one particular person, identified by a person number. The details returned depend on the operation. The consumer is able to request the actual details or historical details.

The NRProxy service operations return raw data from the RNR which datamodel is then exposed.

Each operations returns a minimum set of details, the minimum identification criteria, including name details, person number, birthdate and gender and the administrative authority managing the person.

The information returned per operation is described in the service operation description document.

2. Request and response message

2.1. GENERAL STRUCTURE

2.1.1. Request message

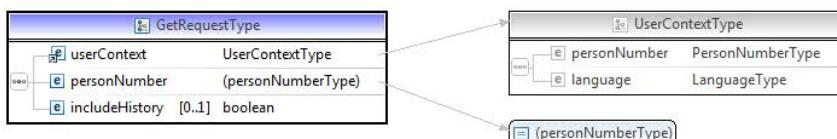
The NRProxy service returns for a person raw data from the national registry. Other information types are returned depending on the operation. The consumer can request the information with or without history.

The request message contains two parameters, the person number and a Boolean includeHistory.

Input parameter	Description	Precondition
Person number	The person number of the person	The consumer executes a check digit before sending the request ¹ .
includeHistory	Boolean specifying whether historical details are required	

Input parameter	M/O	Type
Person number	M	11 digits
IncludeHistory	O	boolean

M/O: Mandatory/Optional



The `userContext` element is completed with the person number of the executor of the request and including the desired response language.

The affinity and proportionality of your application will define the completion of the user context element. Check with your service manager how to complete this element.

2.1.2. Response message

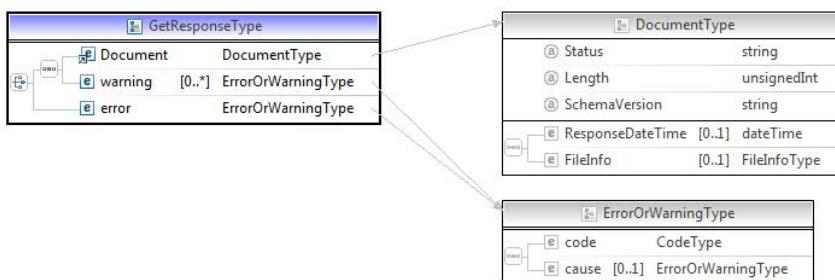
The structure of the response contains either a business error or the expected response, as described in the reference architecture of the FSB. The expected response might contain warnings.

¹ Check rules are :
When born before January 1st 2000 XXXXXX YYYY ZZ where 97-mod(XXXXXXYYYY,97)=ZZ; when born after December 31st 1999: XXXXXX YYYY ZZ where 97-mod(2XXXXXXXX,97)=ZZ.

The expected response is encapsulated in a document element conform to the schema definition of the tx25 response. The information contained in the response is the raw data of the authentic source which is limited to particular information types depending on the operation.

The NRProxy service is limiting the document element to

- the minimal identification criteria (IT000, IT001 & IT010)
- the requested information types conform to the definition of the operation



2.1.3. Additional context/entity information

The document “instructions of the national registry” provided by the RNR describes the information types and their particular content. A reference to that document is available in the section Appendix/Reference documents.

For example, the picture below illustrates the layout of the document element. Mark not all of the information types are visible in this picture.

DocumentType	
④ Status	string
④ Length	unsignedInt
④ SchemaVersion	string
④ ResponseDateTime	[0..1] dateTime
④ FileInfo	[0..1] FileInfoType

FileInfoType	
④ NationalNumber	IT000
④ FileOwner	(FileOwnerType)
④ FileReference	[0..1] IT002
④ AscertainedLegalMainAddresses	[0..1] (AscertainedLegalMainAddressesType)
④ NewGender	[0..1] IT004
④ AddressChangeIntention	[0..1] (AddressChangeIntentionType)
④ Names	(NamesType)
④ Pseudonyms	[0..1] (PseudonymsType)
④ NobilityTitles	[0..1] (NobilityTitlesType)
④ NameModifications	[0..1] (NameModificationsType)
④ AddressDeclarationAbroad	[0..1] (AddressDeclarationAbroadType)
④ AddressChangeDeclaration	[0..1] IT019
④ LegalMainAddresses	[0..1] (LegalMainAddressesType)
④ ResidenceAbroad	[0..1] (ResidenceAbroadType)
④ PostalAddressAbroad	[0..1] (PostalAddressAbroadType)
④ AddressReferences	[0..1] (AddressReferencesType)
④ TemporaryAbsences	[0..1] (TemporaryAbsencesType)
④ LegalResidences	[0..1] (LegalResidencesType)
④ Nationalities	[0..1] (NationalitiesType)
④ MultipleNationalities	[0..1] (MultipleNationalitiesType)
④ Occupations	[0..1] (OccupationsType)
④ BirthPlace	[0..1] IT100
④ DeclaredBirthDate	[0..1] IT101
④ CivilStates	[0..1] (CivilStatesType)
④ LegalCohabitations	[0..1] (LegalCohabitationsType)
④ FamilyMembers	[0..1] (FamilyMembersType)
④ HeadOfFamily	[0..1] (HeadOfFamilyType)
④ Darcerer	[0..1] (DarcererType)

2.1.4. Used code lists and enumerations

The table below gives an overview of the errors that might occur. For more details concerning error handling, check the “person services” service code description document, which is common for all the person services.

Table 3: Negative scenarios – FSB error codes

FSB error code	Description
4016	No access for the person with this specific national number
4015	Requested transaction not allowed for client
5100	Invalid language code
5105	Invalid format - check digit (mod97)
5140	No persons found with number
4014	Invalid SAML assertion
4001	An unknown error was received from NR
4013	Person is not allowed to perform searches for other people

Codes used in the document element of the RN are described in the document “instructions of the national registry.”

2.2. OPERATION GET*(PERSON NUMBER, INCLUDEHISTORY)

2.2.1. Request

This general structure is applicable to the request of all of the operation. The consumer specifies the request operation name.

Operation	Request element
getProfession	getProfessionRequest
getLegalCohabitation	getLegalCohabitationRequest

2.2.2. Response

The general structure is applicable to the response of all of the operation.

2.2.3. Examples

In the example below, the history of professions of a person is requested. In example "sent on behalf" is applied.

Met opmerkingen [yavv1]: What does it implies? What does it means?

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://fsb.belgium.be/v1_01"
  xmlns:v11="http://fsb.belgium.be/nrProxyService/messages/v1_00"
  xmlns:v12="http://fsb.belgium.be/data/business/context/v1_00"
  xmlns:v13="http://fsb.belgium.be/data/business/context/v1_00">
  <soapenv:Header>
    <v14:sentOnBehalfOf
      xmlns:v14="http://fsb.belgium.be/nrProxyService/v1_00">test</v14:sentOnBehalfOf>
    <v1:SyncHeader>
      <v1:CMessagID>1234567890</v1:CMessagID>
    </v1:SyncHeader>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getProfessionRequest>
      <v13:userContext>
        <v13:personNumber>75072425369</v13:personNumber>
        <v13:language>nl</v13:language>
      </v13:userContext>
      <v11:personNumber>53051328090</v11:personNumber>
      <v11:includeHistory>true</v11:includeHistory>
    </v11:getProfessionRequest>
  </soapenv:Body>
</soapenv:Envelope>

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
<soapenv:Header>
```

```

<v1:SyncResponseHeader xmlns:v1="http://fsb.belgium.be/v1_01">
  <v1:FSBMessageID>45e0d84f-5f46-4d73-86f1-536b3d6cb8d1</v1:FSBMessageID>
  <v1:CMessageID>1234567890</v1:CMessageID>
</v1:SyncResponseHeader>
</soapenv:Header>
<soapenv:Body>
<v1:getProfessionResponse
  xmlns:v1="http://fsb.belgium.be/nrProxyService/messages/v1_00">
  <r:Document SchemaVersion="25.2011.04" Status="000"
    xmlns:r="http://www.ibz.rzn.fgov.be/XSD/xm25/rn25Schema">
    <r:ResponseDateTime>2012-06-20T18:07:46</r:ResponseDateTime>
    <r:FileInfo>
      <r:NationalNumber Type="000" Structure="A1">
        <r:NationalNumber>
          <r:NationalNumber>53051328090</r:NationalNumber>
          <r:Date>
            <r:Century>19</r:Century>
            <r:Year>53</r:Year>
            <r:Month>05</r:Month>
            <r:Day>13</r:Day>
          </r:Date>
          <r:Sex>2</r:Sex>
        </r:NationalNumber>
        </r:NationalNumber>
      </r:FileInfo>
      <r:Residences Type="001" Structure="A1">
        <r:Date>
          <r:Century>19</r:Century>
          <r:Year>94</r:Year>
          <r:Month>03</r:Month>
          <r:Day>18</r:Day>
        </r:Date>
        <r:Residence>
          <r:Code>41048</r:Code>
          <r:Label>Ninove</r:Label>
        </r:Residence>
        <r:Fusion>0</r:Fusion>
        <r:Language>2</r:Language>
      </r:Residences>
    </r:FileOwner>
    <r:Names>
      <r:Name Type="010" Structure="A1">
        <r:Date>
          <r:Century>19</r:Century>
          <r:Year>53</r:Year>
          <r:Month>05</r:Month>
          <r:Day>13</r:Day>
        </r:Date>
        <r:Name>
          <r:LastName>
            <r:Code>10473836</r:Code>
            <r:Label>Michiels</r:Label>
          </r:LastName>
          <r:FirstName>
            <r:Code>00019921</r:Code>
            <r:Label>Josette</r:Label>
          </r:FirstName>
          <r:FirstName>
            <r:Code>00028463</r:Code>
            <r:Label>Yolande</r:Label>
          </r:FirstName>
        </r:Name>
      </r:Name>
    </r:Names>
  </r:Document>
</v1:getProfessionResponse>

```

```
</r:FirstName>
<r:FirstName>
  <r:Code>00023178</r:Code>
  <r:Label>Myriam</r:Label>
</r:FirstName>
</r:Name>
</r:Names>
<r:Occupations>
  <r:Occupation Type="070" Structure="A1">
    <r:Date>
      <r:Century>19</r:Century>
      <r:Year>75</r:Year>
      <r:Month>06</r:Month>
      <r:Day>05</r:Day>
    </r:Date>
    <r:Occupation>
      <r:Code>20928</r:Code>
      <r:Label>Bediende</r:Label>
    </r:Occupation>
    <r:SocialCategory>
      <r:Code>4</r:Code>
      <r:Label>(wedde|.)
|  |

```

3. Basic service information

3.1. SERVICE ACCESS PARAMETERS

Table 1 Service access parameters get basic person information

Endpoint URL (Test & Acceptance)	https://fsb.services.int.belgium.be/1.00/CPS_NRProxyService
Endpoint URL (Production)	https://fsb.services.pr.belgium.be/1.00/CPS_NRProxyService
Message exchange pattern(s)	Synchronous
Message protocol	SOAP
Transport-level security	One-way SSL with digital certificate
Message-level security	WS-Security X.509 certificate token for message body

Appendix

REFERENCE DOCUMENTS

Service code description document of the person service family, including the error handling

Instructions National Registry

- [Description of the information types](#)
- [List of available IT's](#)

Remarks

- The documents above are subject of change. The hyperlinks above contain date notations. Check the web site of the RNR for the most accurate version.
- The hyperlinks refer to the Dutch language version of those documents, the French language versions are available as well.

BIBLIOGRAPHY