



Cookbook

Consultrn

Person History

Version 1.1

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eHealth platform

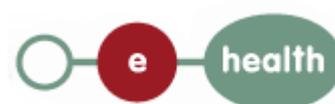
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1000 BRUSSELS

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2 Document management

2.1 Document history

Version	Date	Author	Description of changes / remarks
1.0	20/08/2009	eHealth platform	Initial version
1.1	26/10/2016	eHealth platform	Add new list of error codes Update examples Update description of xml element

2.2 Document references

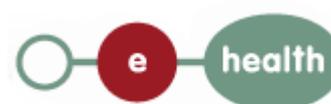
Most of documents can be found in the technical library on the eHealth portal.

- In dutch : <https://www.ehealth.fgov.be/nl/support/>
- In French : <https://www.ehealth.fgov.be/fr/support/>

The following links document further several person data and codification found in different replies.

- In dutch : <https://www.ksz-bcss.fgov.be/binaries/documentation/nl/documentation/general/cbss-manual-nl.pdf>
- In French : <https://www.ksz-bcss.fgov.be/binaries/documentation/fr/documentation/general/cbss-manual-fr.pdf>

ID	Title	Version	Date	Author
	eHealth glossary			
	List of relationship code			
	List of nis code			BCSS
	Cookbook Manage Inscription			eHealth



Cookbook Mutation Sender	eHealth
Cookbook Phonetic search	eHealth
Cookbook Identify Person	eHealth
Proper management of mutation & history of SSIN guidelines	eHealth
Test scenario	eHealth

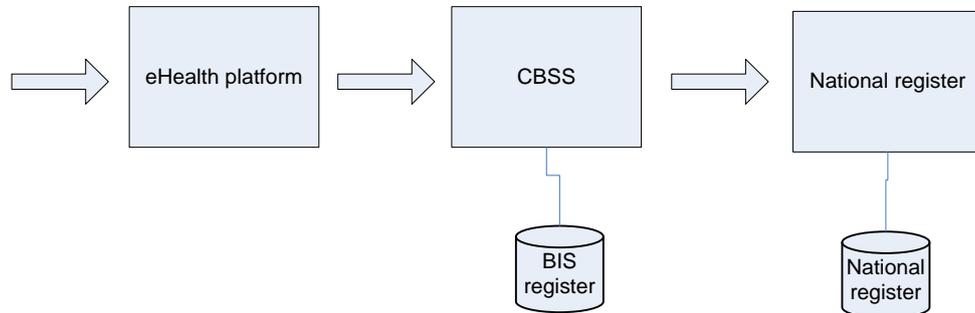
2.3 Goal of the document

This document provides technical information on calling the web service PersonHistory, as provided by the eHealth-platform. This web service will allow our partners in the Health sector to query the National Registry of Belgian citizen data, directly from their own applications.

The service PersonHistory allows to retrieve information according to the sectorial committee on the history (list of the past value and the actual value) of the name, birth data, gender, decease data, civil state data, nationality, address of a person, on basis of a SSIN. Therefore, the called eHealth-service will internally connect to the CBSS, using a corresponding CBSS web service (which is connected to the National Registry and BIS registry).

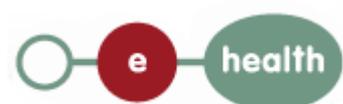
One needs to register a person to **the mutation sender webservice** to get his historical information. It's the call to either **ManageInscription service** or **IdentifyPerson Webservice** that registers a person to the **mutation sender webservice**.

The **Person History webservice** checks if an inscription exists between the caller and the ssin asked (mutation of the national register's subscription).



This service is composed of 8 methods:

- getAddressHistory
- getBirthHistory
- getCivilStateHistory
- getDeceaseHistory
- getFamilyCompositionHistory
- getGenderHistory
- getNameHistory
- getNationalityHistory



In this cookbook, we explain the structure and content aspects of the possible requests and the replies of the eHealth web service. An example illustrates each of those messages. Also, a list of possible errors can be found in the document.

Please note that this service, only returns information registered on the requested NISS/BISS. In order to retrieve the complete history information of a person whose unique identifier has changed, you need to call this service for every other former unique identifier of this person.

For a **proper management of mutation & history of SSIN** within their different applications and their different patient files, and according to their respective sectoral committee authorizations, health organisations are advised to consult the guidelines published in the FAQ's of the technical library.

This information should allow (the IT department of) an organization to develop and use the webservice call.

Some technical and legal requirements must be satisfied in order to allow the integration of the eHealth web services in client applications;

This document is not a development or a programming guide for internal applications; eHealth partners always keep a total freedom within those fields. 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, data format, and release processes described within 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.

3 Technical, business and privacy requirements

- The call to the Identify Person webservice is conditioned to the authorization of the sectoral committee and the compliance with the integration procedure. By applying this procedure, the eHealth platform will provide you with your applicationID. The is used by eHealth to grant specific rights:
 - Dutch version:
<https://www.ehealth.fgov.be/nl/basisdiensten/consultrr/meer-weten>
 - French version:
<https://www.ehealth.fgov.be/fr/services-de-base/consultrn/en-savoir-plus>
- An eHealth certificate. This certificate is used to identify the initiator of the request. If you do not have one, see:
 - Dutch version:
<https://www.ehealth.fgov.be/nl/support/basisdiensten/ehealth-certificaten>
 - French version:
<https://www.ehealth.fgov.be/fr/support/services-de-base/certificats-ehealth>
- Time synchronisation. eHealth servers are synchronized to a pool of global servers using NTP protocol. Partner clock cannot be offsetted by more than 60 seconds against eHealth's, request would otherwise be discarded.



4 Release and test processes

4.1 Request to integrate the service (acceptation environment first)

Integration procedures for the different type of authorized actor are described on the portal:

- o Dutch version:

<https://www.ehealth.fgov.be/nl/basisdiensten/consultrr/meer-weten>

- o French version:

<https://www.ehealth.fgov.be/fr/services-de-base/consultrn/en-savoir-plus>

1. First the users will need to request an agreement from the sectoral committee secretary@socsec.committee.belgium.be.
2. An approval letter from the sectoral committee, and “application ID” shall be sent to the users
3. It’s the “integration team” who supports the rest of the integration.

4.2 Development and Test procedures

- The consult RN test are a set of test scenario that cover the integration of the set of webservices (Identify person, Phonetic search, manage inscription, person history and mutation sender).
- The test scenario are available in the technical library.
- In order to get your production application ID, you should first prove in the acceptance environment that you’ve correctly implemented the call to the services. Therefore, you’ll need to complete the test scenario form” and send it to the integration team

4.3 Maintenance, support and monitoring of the service

Once in production, the partner in the Health sector who is using the webservice for one of its application will always test firstly in acceptance before releasing any adaptations of its application. In addition, the partner will inform eHealth on the changes and test period.

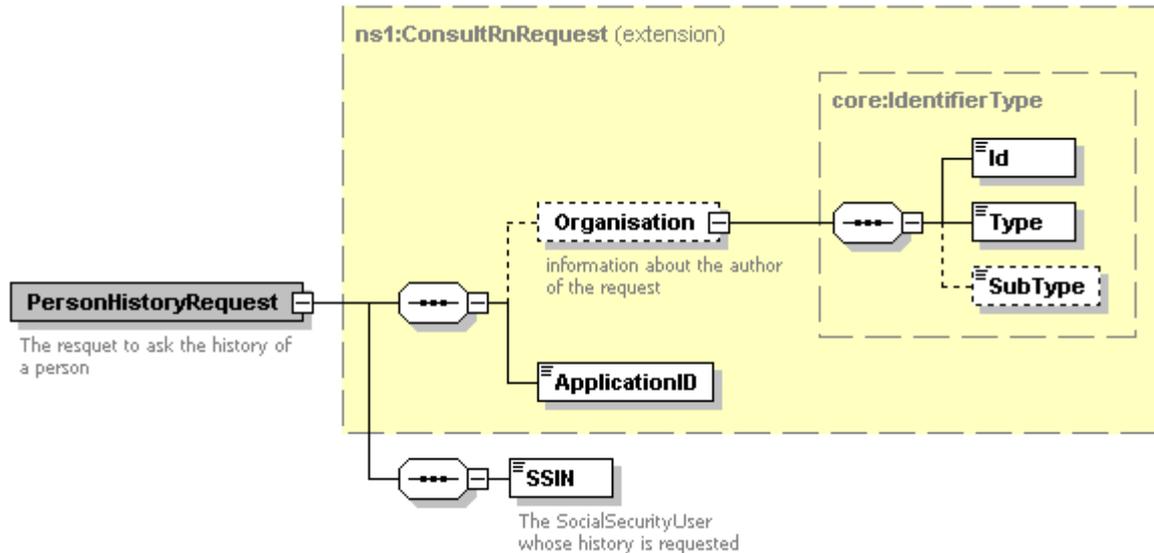
In case of technical issues on the webservice, the technician of the partner in the Health sector may obtain support from eHealth contact center.



5 method getAddressHistory

5.1 Formulating a Request

A request to have the history of the address on basis of a ssin looks as follows:



The first part, common to all web services consulting the National Registry, contains:

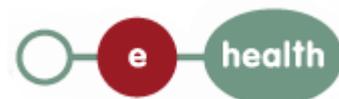
Field name	Descriptions
Organisation	The organization block contains information about the organization having mandated the end user to make the request. <i>Now, mandates are not allowed. So if this information is mentioned, it must be the same information as the information existing in the certificate. (more information see section 12.1).</i>
ApplicationID	The ApplicationID contains a number given by eHealth identifying the organization and the authorization given for a certain purpose to this organization. (same format as an SSIN)

The second part (SSIN) contains data about the person to look for

Field name	Descriptions
SSIN	The <i>SSIN</i> field contains the INSS number of the person to look for information on his address history

Example:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:urn="urn:be:fgov:health:consultRN:1_0:protocol">
```



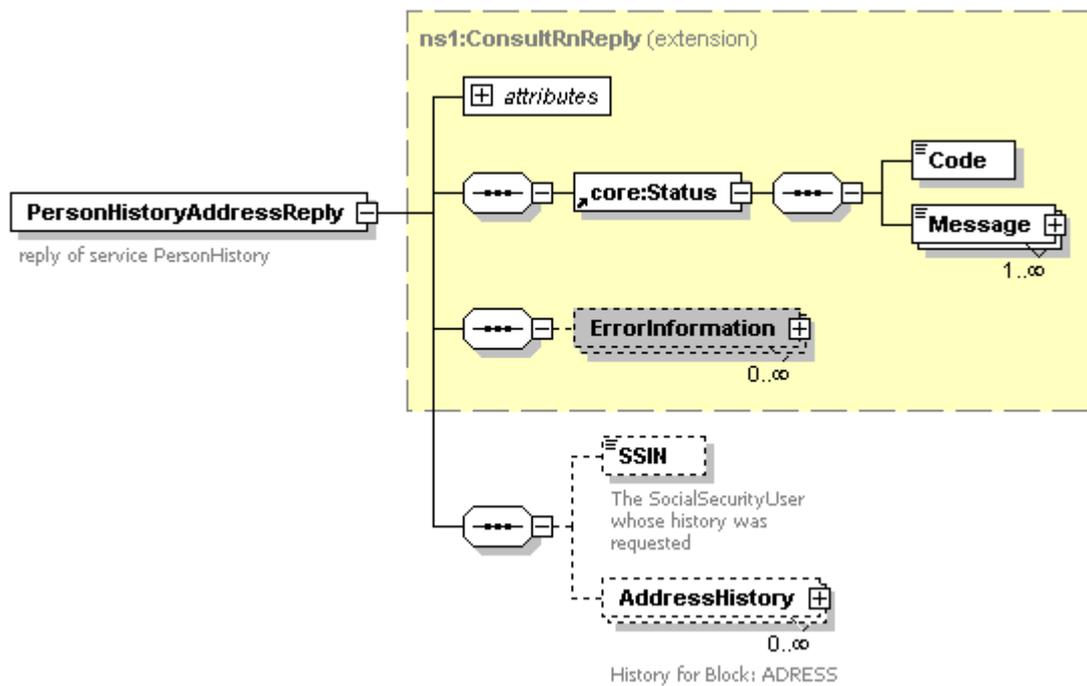
```

<soapenv:Header/>
<soapenv:Body>
  <urn:PersonHistoryAddressRequest>
    <ApplicationID>xxxxxxxxxx</ApplicationID>
    <SSIN>12345678910</SSIN>
  </urn:PersonHistoryAddressRequest>
</soapenv:Body>
</soapenv:Envelope>

```

5.2 Interpretation of the Reply

The parts of the reply sent back by the getAddressHistory method are discussed below. The replied addresses are sorted from the latest to the oldest known address.



The first part, common to all web services consulting the National Registry, contains:

Field name	Descriptions
@Id	The number attributed to the request/reply by the eHealth platform.
Status	The <i>Status</i> block will contain a code and a message. If no error has occurred during the transaction, the <i>Code</i> will be '100' and the <i>Message</i> 'SUCCESS'. Otherwise: <ul style="list-style-type: none"> The <i>Code</i> will be an error code which identifies the problem (more information see section 13). A problem can be related to the infrastructure (availability of the webservice, ...) or content of the request. The <i>Message</i> will be a description of the error.
Error Information (not used)	This indicated more information about the reason of the failure (if known)



The second part contains information on the found person (see section 12):

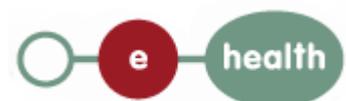
Field name	Descriptions
SSIN	The SSIN of the person
AddressHistory	This list contains information about all the address known for this person (more information see section 12.2)

Remarks:

1. Only those data are returned to which you are authorized to access.
2. Results may be as well in uppercase or in Lowercase.

Example:

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns3:PersonHistoryAddressReply Id="CRN00000000004P4" xmlns:ns2="urn:be:fgov:health:commons:1_0:core"
      xmlns:ns3="urn:be:fgov:health:consultRN:1_0:protocol">
      <ns2:Status>
        <Code>100</Code>
        <Message Lang="EN">Service successful</Message>
      </ns2:Status>
      <SSIN>12345678910</SSIN>
      <AddressHistory>
        <Source>RN_RR</Source>
        <EffectuationDate>2012-04-07</EffectuationDate>
        <Address Origin="RN_RR">
          <StandardAddress>
            <Street>
              <Description Lang="FR">Rue Washington</Description>
              <Description Lang="NL">Washingtonstraat</Description>
            </Street>
            <Housenumber>4</Housenumber>
            <Box>6e</Box>
            <Municipality>
              <InsCode>21009</InsCode>
              <PostalCode>1050</PostalCode>
              <Description Lang="FR">Ixelles</Description>
              <Description Lang="NL">Elsene</Description>
            </Municipality>
            <Country>
              <InsCode>150</InsCode>
              <Description Lang="FR">Belgique</Description>
              <Description Lang="NL">België</Description>
              <Description Lang="DE">Belgien</Description>
            </Country>
          </StandardAddress>
        </Address>
      </AddressHistory>
      <AddressHistory>
        <Source>RN_RR</Source>
        <EffectuationDate>2002-11-12</EffectuationDate>
        <Address Origin="RN_RR">
          <StandardAddress>
            <Street>
              <Description Lang="FR">Rue Henri</Description>
            </Street>
            <Housenumber>24</Housenumber>
            <Municipality>
              <InsCode>53070</InsCode>
              <PostalCode>7332</PostalCode>
              <Description Lang="FR">Saint-Ghislain</Description>
            </Municipality>
            <Country>
```



```

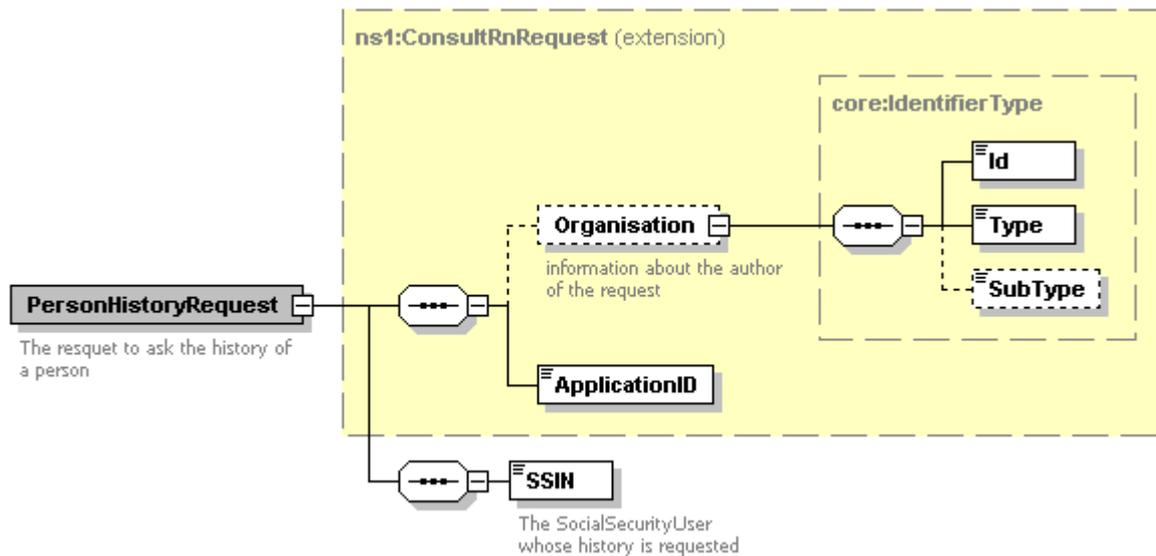
<InsCode>150</InsCode>
<Description Lang="FR">Belgique</Description>
<Description Lang="NL">België</Description>
<Description Lang="DE">Belgien</Description>
</Country>
</StandardAddress>
</Address>
</AddressHistory>
</ns3:PersonHistoryAddressReply>
</S:Body>
</S:Envelope>

```

6 method getBirthHistory

6.1 Formulating a Request

A request to have the history of the birth on basis of a ssin looks as follows:



The first part, common to all web services consulting the National Registry, contains:

Field name	Descriptions
Organisation	The organization block contains information about the organization having mandated the end user to make the request. <i>Now, mandates are not allowed. So if this information is mentioned, It must be the same information as the information existing</i>



	in the certificate. (more information see section 12.1).
ApplicationID	The ApplicationID contains a number given by eHealth identifying the organization and the authorization given for a certain purpose to this organization. (same format as an SSIN)

The second part (SSIN) contains data about the person to look for

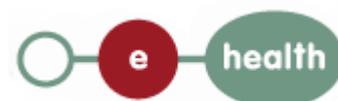
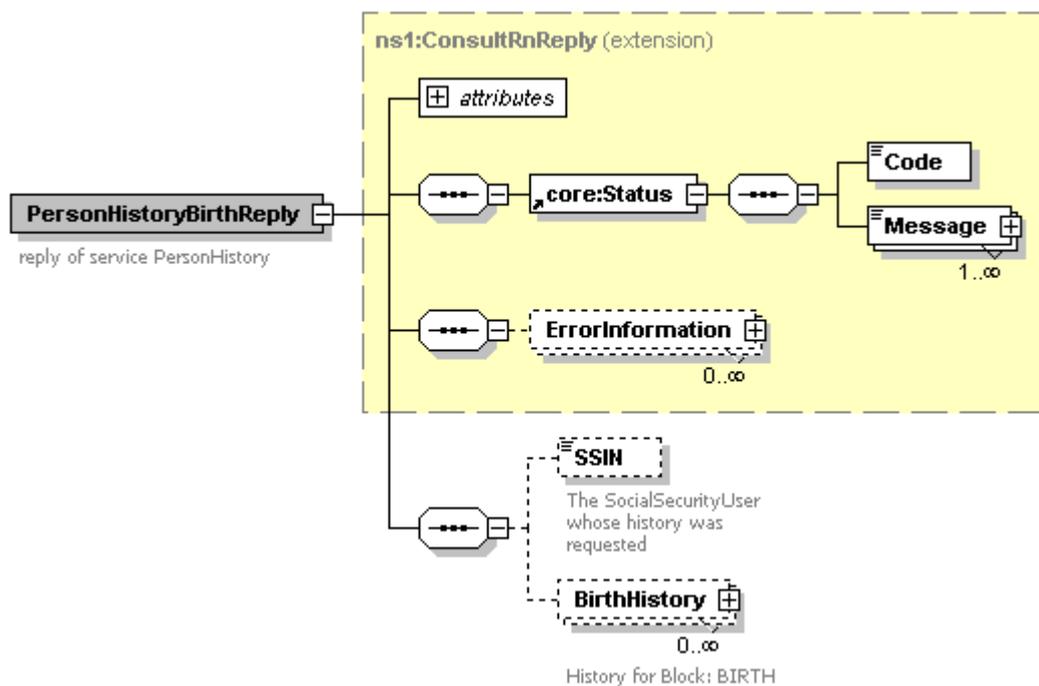
Field name	Descriptions
SSIN	The SSIN field contains the INSS number of the person to look for information on his birth history

Example:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:urn="urn:be:fgov:ehealth:consultRN:1_0:protocol">
  <soapenv:Header/>
  <soapenv:Body>
    <urn:PersonHistoryBirthRequest>
      <ApplicationID>xxxxxxxxxx</ApplicationID>
      <SSIN>12345678910</SSIN>
    </urn:PersonHistoryBirthRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

6.2 Interpretation of the Reply

The parts of the reply sent back by the getBirthHistory method are discussed below.



The first part, common to all web services consulting the National Registry, contains:

Field name	Descriptions
@Id	The number attributed to the request/reply by the eHealth platform.
Status	The <i>Status</i> block will contain a code and a message. If no error has occurred during the transaction, the <i>Code</i> will be '100' and the <i>Message</i> 'SUCCESS'. Otherwise: <ul style="list-style-type: none"> The <i>Code</i> will be an error code which identifies the problem (more information see section 13). A problem can be related to the infrastructure (availability of the webservice, ...) or content of the request. The <i>Message</i> will be a description of the error.
Error Information (not used)	This indicated more information about the reason of the failure (if known)

The second part contains information on the found person (see section 12): :

Field name	Descriptions
SSIN	The SSIN of the person
BirthHistory	This list contain informations about the birth date and location known for this person (more information see section 12.6)

Remarks:

1. Only those data are returned to which you are authorized to access.
2. Results may be as well in uppercase or in Lowercase.

Example:

```
<?xml version="1.0" encoding="UTF-8"?>
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns3:PersonHistoryBirthReply Id="CRN0000000004NV" xmlns:ns2="urn:be.fgov.ehealth:commons:1_0:core"
xmlns:ns3="urn:be.fgov.ehealth:consultRN:1_0:protocol">
      <ns2:Status>
        <Code>100</Code>
        <Message Lang="EN">Service successful</Message>
      </ns2:Status>
      <SSIN>12345678910</SSIN>
      <BirthHistory>
        <Source>RN_RR</Source>
        <Birth Origin="RN_RR">
          <Date>1985-04-21</Date>
          <Localisation>
            <Municipality>
              <InsCode>92094</InsCode>
              <Description Lang="FR">Namur</Description>
            </Municipality>
            <Country>
              <InsCode>150</InsCode>
              <Description Lang="FR">Belgique</Description>
              <Description Lang="NL">België</Description>
              <Description Lang="DE">Belgien</Description>
            </Country>
          </Localisation>
        </Birth>
      </BirthHistory>
    </ns3:PersonHistoryBirthReply>
  </S:Body>
```

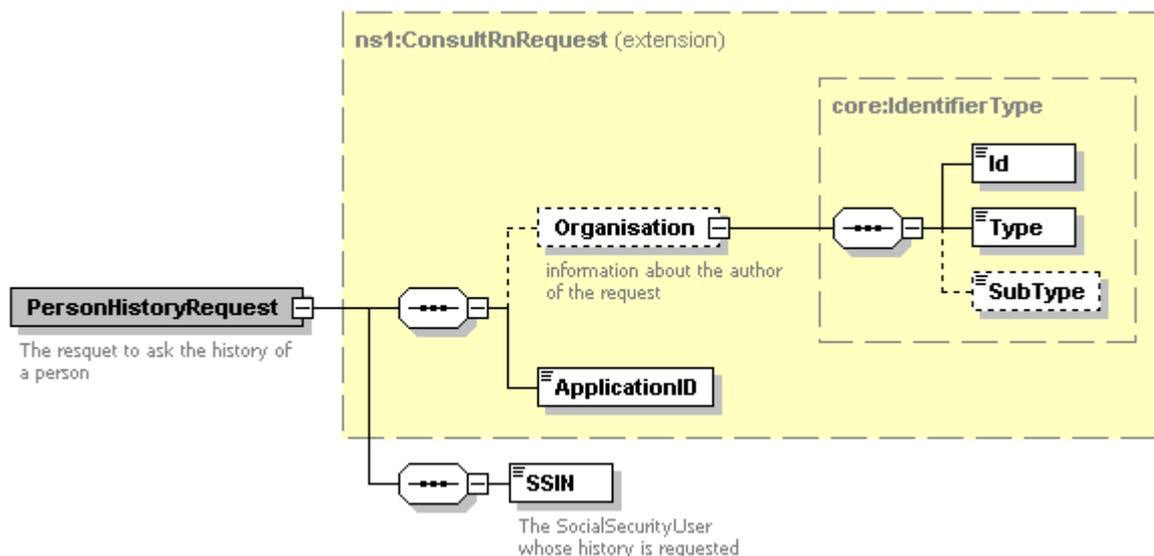


</S:Envelope>

7 method getCivilStateHistory

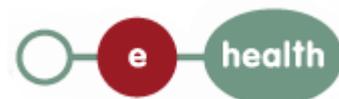
7.1 Formulating a Request

A request to have the history of the civilstate on basis of a ssin looks as follows:



The first part, common to all web services consulting the National Registry, contains:

Field name	Descriptions
Organisation	The organization block contains information about the organization having mandated the end user to make the request. <i>Now, mandates are not allowed. So if this information is mentioned, it must be the same information as the information existing in the certificate. (more information see section 12.1).</i>
ApplicationID	The ApplicationID contains a number given by eHealth identifying the organization and



	the authorization given for a certain purpose to this organization. (same format as an SSIN)
--	--

The second part (SSIN) contains data about the person to look for

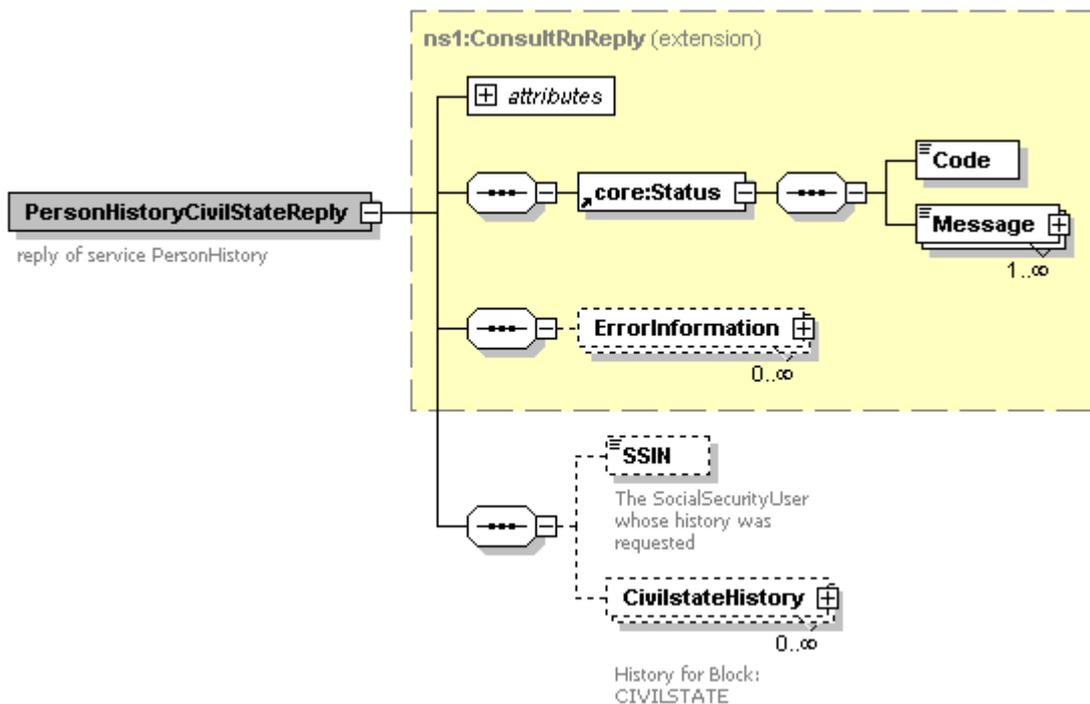
Field name	Descriptions
SSIN	The SSIN field contains the INSS number of the person to look for information on his civilstate history

Example:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:urn="urn:be:fgov:ehhealth:consultRN:1_0:protocol">
  <soapenv:Header/>
  <soapenv:Body>
    <urn:PersonHistoryCivilStateRequest>
      <ApplicationID>xxxxxxxxxxx</ApplicationID>
      <SSIN>12345678910</SSIN>
    </urn:PersonHistoryCivilStateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

7.2 Interpretation of the Reply

The parts of the reply sent back by the getCivilstateHistory method are discussed below.



The first part, common to all web services consulting the National Registry, contains:

Field name	Descriptions
@Id	The number attributed to the request/reply by the eHealth platform.
Status	The <i>Status</i> block will contain a code and a message. If no error has occurred during the transaction, the <i>Code</i> will be '100' and the <i>Message</i> 'SUCCESS'. Otherwise: <ul style="list-style-type: none"> The <i>Code</i> will be an error code which identifies the problem (more information see section 13). A problem can be related to the infrastructure (availability of the webservice, ...) or content of the request. The <i>Message</i> will be a description of the error.
Error Information (not used)	This indicated more information about the reason of the failure (if known)

The second part contains information on the found person :

Field name	Descriptions
SSIN	The SSIN of the person
CivilstateHistory	This list contain informations about the list of civilstate (and location) known for this person (more information see section 12.9)

Remarks:

1. Only those data are returned to which you are authorized to access.
2. Results may be as well in uppercase or in Lowercase.

Example:

```
<?xml version="1.0" encoding="UTF-8"?>
<ns1:PersonHistoryCivilstateReply Id="1234567890123" xsi:schemaLocation="urn:be:fgov.ehealth.consultRN:1_0:protocol
PersonHistory-1-0.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:eH="urn:be:fgov.ehealth:commons:1_0:core" xmlns:ns1="urn:be:fgov.ehealth.consultRN:1_0:protocol">
  <eH:Status>
    <Code>100</Code>
    <Message>Success</Message>
  </eH:Status>
  <SSIN>12345678910</SSIN>
  <CivilstateHistory>
    <Source>RN_RR</Source>
    <ModificationDate>2009-01-01</ModificationDate>
    <EffectuationDate>2009-01-01</EffectuationDate>
    <Civilstate ModificationDate="2000-01-01">
      <Code>10</Code>
      <Localisation>
        <Municipality>
          <InsCode>92094</InsCode>
          <Description Lang="FR">Namur</Description>
        </Municipality>
        <Country>
          <InsCode>150</InsCode>
          <Description Lang="FR">Belgique</Description>
          <Description Lang="NL">België</Description>
          <Description Lang="DE">Belgien</Description>
        </Country>
      </Localisation>
    </Civilstate>
  </CivilstateHistory>
</CivilstateHistory>
```



```

<Source>RN_RR</Source>
<EffectuationDate>1989-04-15</EffectuationDate>
<CivilState Origin="RN_RR">
<Code>10</Code>
</CivilState>
</CivilstateHistory>

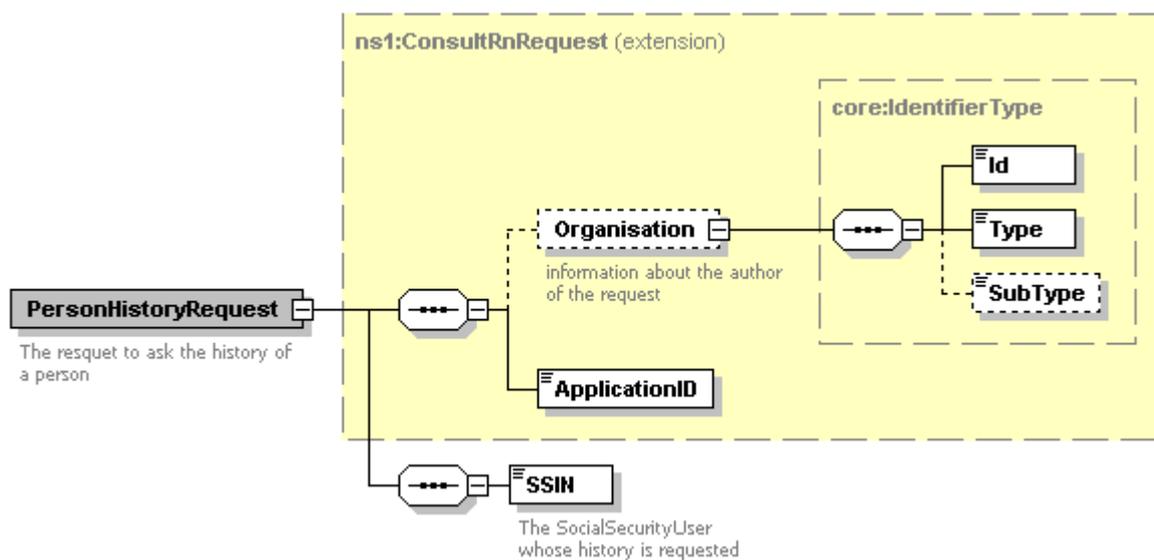
```

```
</ns1:PersonHistoryCivilstateReply>
```

8 method getDeceaseHistory

8.1 Formulating a Request

A request to have the history of the decease on basis of a ssin looks as follows:

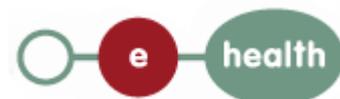


The first part, common to all web services consulting the National Registry, contains:

Field name	Descriptions
Organisation	The organization block contains information about the organization having mandated the end user to make the request. <i>Now, mandates are not allowed. So if this information is mentioned, it must be the same information as the information existing in the certificate.</i> (more information see section 12.1).
ApplicationID	The ApplicationID contains a number given by eHealth identifying the organization and the authorization given for a certain purpose to this organization. (same format as an SSIN)

The second part (SSIN) contains data about the person to look for

Field name	Descriptions
SSIN	The SSIN field contains the INSS number of the person to look for information on his



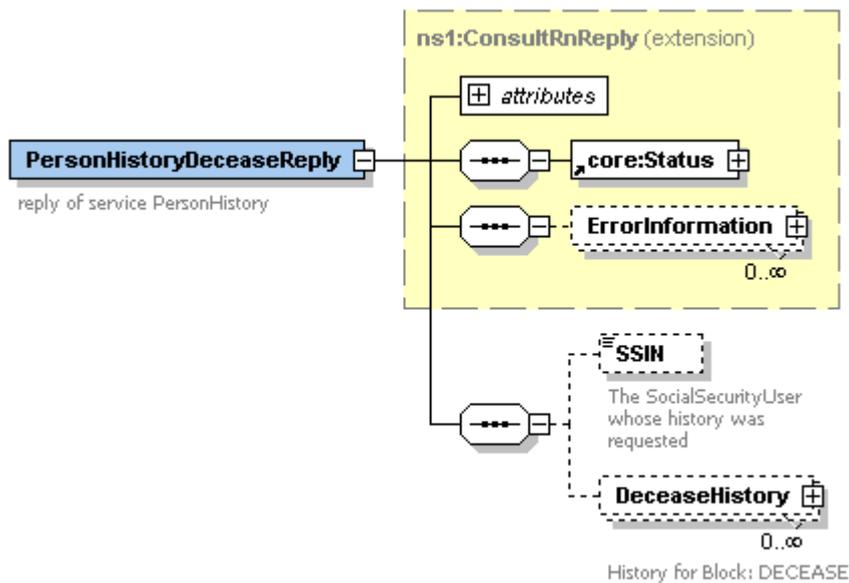
	decease history
--	-----------------

Example:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:urn="urn:be:fgov:ehealth:consultRN:1_0:protocol">
  <soapenv:Header/>
  <soapenv:Body>
    <urn:PersonHistoryDeceaseRequest>
      <ApplicationID>xxxxxxxxxx</ApplicationID>
      <SSIN>12345678910</SSIN>
    </urn:PersonHistoryDeceaseRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

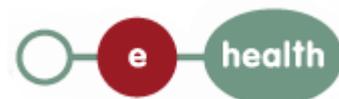
8.2 Interpretation of the Reply

The parts of the reply sent back by the getDeceaseHistory method are discussed below.



The first part, common to all web services consulting the National Registry, contains:

Field name	Descriptions
@Id	The number attributed to the request/reply by the eHealth platform.
Status	The <i>Status</i> block will contain a code and a message. If no error has occurred during the transaction, the <i>Code</i> will be '100' and the <i>Message</i> 'SUCCESS'. Otherwise: <ul style="list-style-type: none"> The <i>Code</i> will be an error code which identifies the problem (more information see section 13). A problem can be related to the infrastructure (availability of the webservice, ...) or content of the request. The <i>Message</i> will be a description of the error.
Error Information (not	This indicated more information about the reason of the failure (if known)



used)	
-------	--

The second part contains information on the found person :

Field name	Descriptions
SSIN	The INSS number of the person
DeceaseHistory	This list contains information about the decease date and location known for this person (more information see section 12.11)

Remark: only those data are returned to which you are authorized to access.

Example:

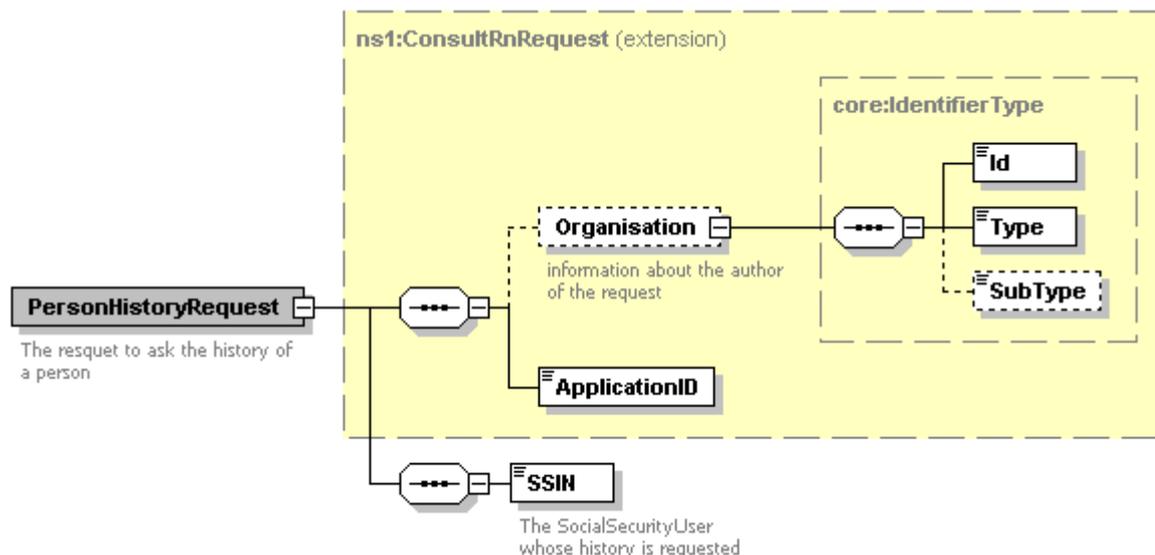
```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns3:PersonHistoryDeceaseReply Id="CRN00000000004NW" xmlns:ns2="urn:be:fgov:health:commons:1_0:core"
xmlns:ns3="urn:be:fgov:health:consultRN:1_0:protocol">
      <ns2:Status>
        <Code>100</Code>
        <Message Lang="EN">Service successful</Message>
      </ns2:Status>
      <SSIN>12345678910</SSIN>
      <DeceaseHistory>
        <Source>RN_RR</Source>
        <EffectuationDate>1999-07-04</EffectuationDate>
        <Decease Origin="RN_RR">
          <Date>1999-07-06</Date>
          <Localisation>
            <Municipality>
              <InsCode>12021</InsCode>
              <Description Lang="NL">Lier</Description>
            </Municipality>
            <Country>
              <InsCode>150</InsCode>
              <Description Lang="FR">Belgique</Description>
              <Description Lang="NL">België</Description>
              <Description Lang="DE">Belgien</Description>
            </Country>
          </Localisation>
        </Decease>
      </DeceaseHistory>
    </ns3:PersonHistoryDeceaseReply>
  </S:Body>
</S:Envelope>
```

9 method getGenderHistory

9.1 Formulating a Request

A request to have the history of the gender on basis of a ssin looks as follows:





The first part, common to all web services consulting the National Registry, contains:

Field name	Descriptions
Organisation	The organization block contains information about the organization having mandated the end user to make the request. <i>Now, mandates are not allowed. So if this information is mentioned, It must be the same information as the information existing in the certificate. (more information see section 12.1).</i>
ApplicationID	The ApplicationID contains a number given by eHealth identifying the organization and the authorization given for a certain purpose to this organization. (same format as an SSIN)

The second part (SSIN) contains data about the person to look for

Field name	Descriptions
SSIN	The <i>SSIN</i> field contains the INSS number of the person to look for information on his gender history

Example:

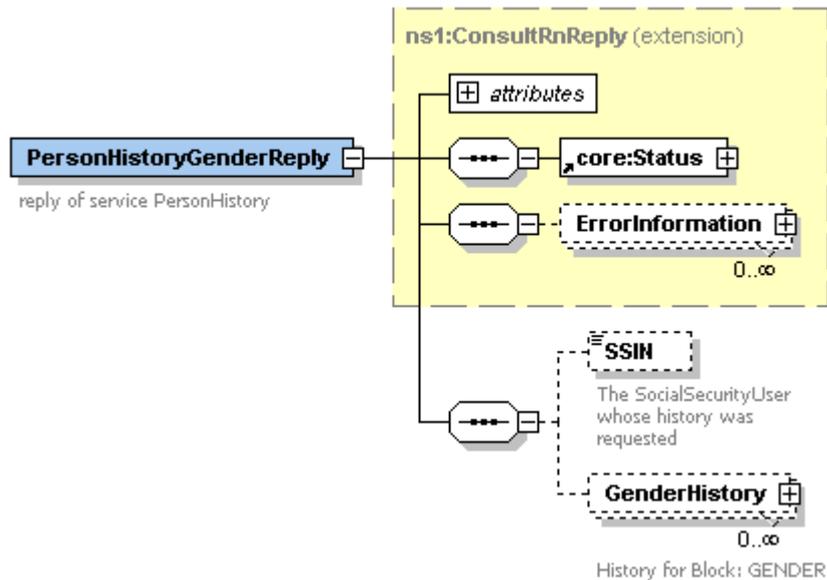
```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:urn="urn:be:fgov:ehealth:consultRN:1_0:protocol">
  <soapenv:Header/>
  <soapenv:Body>
    <urn:PersonHistoryFamilyCompositionRequest>
      <ApplicationID>xxxxxxxxxx</ApplicationID>
      <SSIN>12345678910</SSIN>
    </urn:PersonHistoryFamilyCompositionRequest>
  </soapenv:Body>
</soapenv:Envelope>
```



</soapenv:Envelope>

9.2 Interpretation of the Reply

The parts of the reply sent back by the getGenderHistory method are discussed below. Please note that the unique identifier of a person is linked to his gender. If a person changes of gender, his unique identifier (NISS/BISS).also mutes.



The first part, common to all web services consulting the National Registry, contains:

Field name	Descriptions
@Id	The number attributed to the request/reply by the eHealth platform.
Status	The <i>Status</i> block will contain a code and a message. If no error has occurred during the transaction, the <i>Code</i> will be '100' and the <i>Message</i> 'SUCCESS'. Otherwise: <ul style="list-style-type: none"> The <i>Code</i> will be an error code which identifies the problem (more information see section 13). A problem can be related to the infrastructure (availability of the webservice, ...) or content of the request. The <i>Message</i> will be a description of the error.
Error Information (not used)	This indicated more information about the reason of the failure (if known)

The second part contains information on the found person:

Field name	Descriptions
SSIN	The INSS number of the person
GenderHistory	This list contains information about the gender history for this person (more



Remark: only those data are returned to which you are authorized to access.

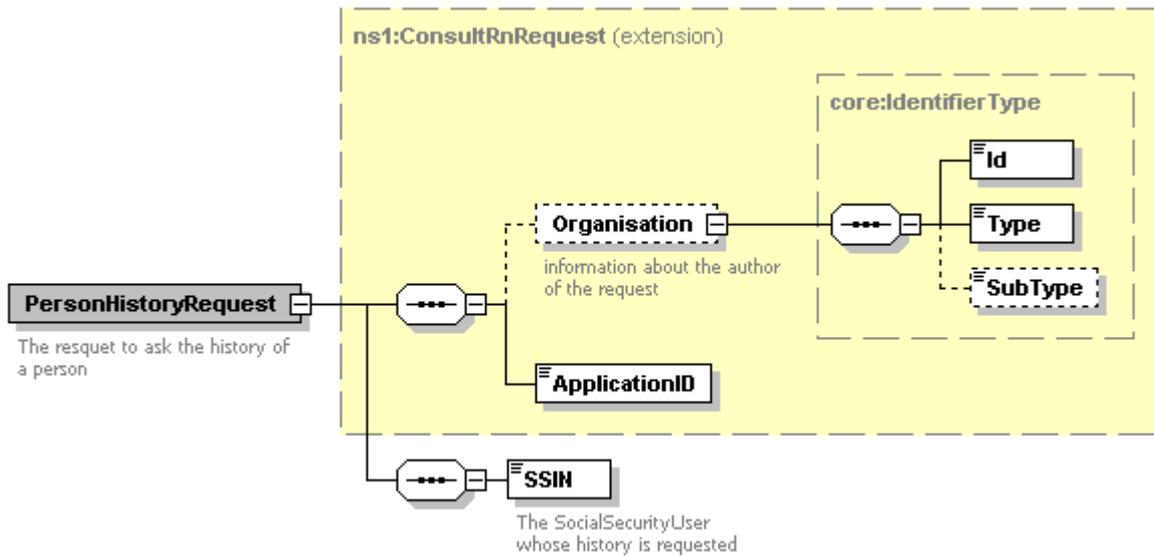
Example:

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns3:PersonHistoryGenderReply Id="CRN00000000004NX" xmlns:ns2="urn:be:fgov:health:commons:1_0:core"
  xmlns:ns3="urn:be:fgov:health:consultRN:1_0:protocol">
      <ns2:Status>
        <Code>100</Code>
        <Message Lang="EN">Service successful</Message>
      </ns2:Status>
      <SSIN>12345678910</SSIN>
      <GenderHistory>
        <Source>RN_RR</Source>
        <Gender Origin="RN_RR">MALE</Gender>
      </GenderHistory>
    </ns3:PersonHistoryGenderReply>
  </S:Body>
</S:Envelope>
```

10 method getNameHistory

10.1 Formulating a Request

A request to have the history of the name on basis of a ssin looks as follows:



The first part, common to all web services consulting the National Registry, contains:

Field name	Descriptions
Organisation	The organization block contains information about the organization having mandated the end user to make the request. <i>Now, mandates are not allowed. So if this information is mentioned, It must be the same information as the information existing in the certificate. (more information see section 12.1).</i>
ApplicationID	The ApplicationID contains a number given by eHealth identifying the organization and the authorization given for a certain purpose to this organization. (same format as an SSIN)

The second part (SSIN) contains data about the person to look for

Field name	Descriptions
SSIN	The <i>SSIN</i> field contains the INSS number of the person to look for information on his name history

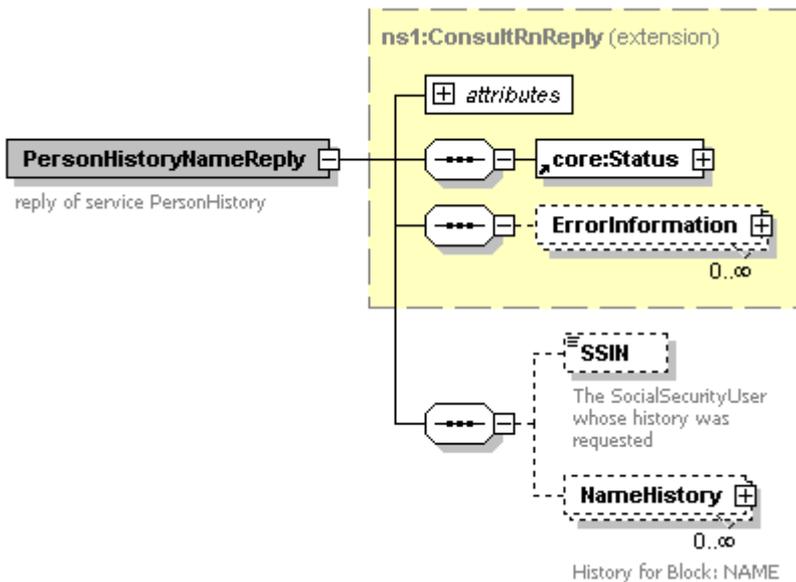
Example:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:urn="urn:be:fgov:ehealth:consultRN:1_0:protocol">
  <soapenv:Header/>
  <soapenv:Body>
    <urn:PersonHistoryNameRequest>
      <ApplicationID>xxxxxxxxx</ApplicationID>
      <SSIN>12345678910</SSIN>
    </urn:PersonHistoryNameRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

10.2 Interpretation of the Reply

The parts of the reply sent back by the getNameHistory method are discussed below.





The first part, common to all web services consulting the National Registry, contains:

Field name	Descriptions
@Id	The number attributed to the request/reply by the eHealth platform.
Status	The <i>Status</i> block will contain a code and a message. If no error has occurred during the transaction, the <i>Code</i> will be '100' and the <i>Message</i> 'SUCCESS'. Otherwise: <ul style="list-style-type: none"> The <i>Code</i> will be an error code which identifies the problem (more information see section 13). A problem can be related to the infrastructure (availability of the webservice, ...) or content of the request. The <i>Message</i> will be a description of the error.
Error Information (not used)	This indicated more information about the reason of the failure (if known)

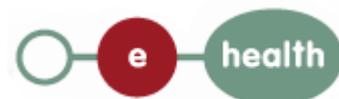
The second part contains information on the found person :

Field name	Descriptions
SSIN	The INSS number of the person
NameHistory	This list contain informations about the name history for this person (more information see section 12.15)

Remark: only those data are returned to which you are authorized to access.

Example:

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns3:PersonHistoryNameReply Id="CRN00000000004NY" xmlns:ns2="urn:be:fgov:ehealth:commons:1_0:core"
xmlns:ns3="urn:be:fgov:ehealth:consultRN:1_0:protocol">
      <ns2:Status>
        <Code>100</Code>
        <Message Lang="EN">Service successful</Message>
      </ns2:Status>
      <SSIN>12345678910</SSIN>
    </ns3:PersonHistoryNameReply>
  </S:Body>
</S:Envelope>
```



```

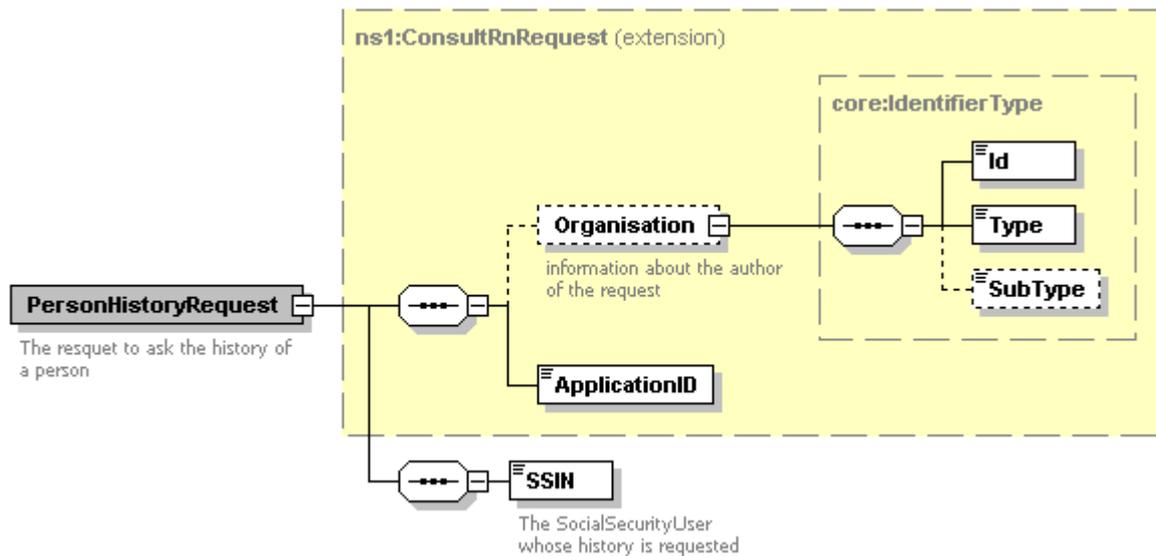
<NameHistory>
  <Source>RN_RR</Source>
  <Name Origin="RN_RR">
    <First>John</First>
    <Middle>Bob</Middle>
    <Last>Doe</Last>
  </Name>
</NameHistory>
</ns3:PersonHistoryNameReply>
</S:Body>
</S:Envelope>

```

11 method getNationalityHistory

11.1 Formulating a Request

A request to have the history of the nationality on basis of a ssin looks as follows:

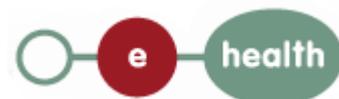


The first part, common to all web services consulting the National Registry, contains:

Field name	Descriptions
Organisation	The organization block contains information about the organization having mandated the end user to make the request. <i>Now, mandates are not allowed. So if this information is mentioned, it must be the same information as the information existing in the certificate. (more information see section 12.1).</i>
ApplicationID	The ApplicationID contains a number given by eHealth identifying the organization and the authorization given for a certain purpose to this organization. (same format as an SSIN)

The second part (SSIN) contains data about the person to look for

Field name	Descriptions
------------	--------------



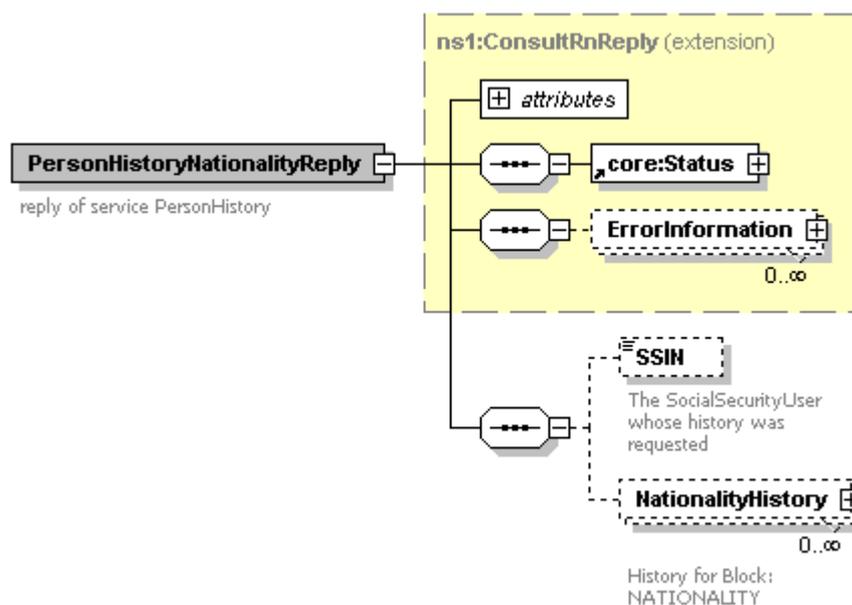
SSIN	The SSIN field contains the INSS number of the person to look for information on his nationality history
------	--

Example:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:urn="urn:be:fgov:ehhealth:consultRN:1_0:protocol">
  <soapenv:Header/>
  <soapenv:Body>
    <urn:PersonHistoryNationalityRequest>
      <ApplicationID>xxxxxxxxxx</ApplicationID>
      <SSIN>12345678910</SSIN>
    </urn:PersonHistoryNationalityRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

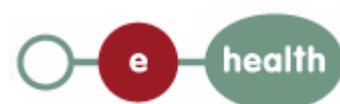
11.2 Interpretation of the Reply

The parts of the reply sent back by the getNationalityHistory method are discussed below. Please note that the unique identifier of a person is linked to his nationality. If a person changes of nationality, his unique identifier (NISS/BISS) use to mute .



The first part, common to all web services consulting the National Registry, contains:

Field name	Descriptions
@Id	The number attributed to the request/reply by the eHealth platform.
Status	The <i>Status</i> block will contain a code and a message. If no error has occurred during the transaction, the <i>Code</i> will be '100' and the <i>Message</i> 'SUCCESS'. Otherwise:



	<ul style="list-style-type: none"> The <i>Code</i> will be an error code which identifies the problem (more information see section 13). A problem can be related to the infrastructure (availability of the webservice, ...) or content of the request. The <i>Message</i> will be a description of the error.
Error Information (not used)	This indicated more information about the reason of the failure (if known)

The second part contains information on the found person:

Field name	Descriptions
SSIN	The INSS number of the person
NationalityHistory	This list contain informations about the nationality history for this person (more information see section 12.17)

Remark: only those data are returned to which you are authorized to access.

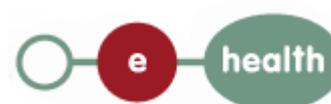
Example:

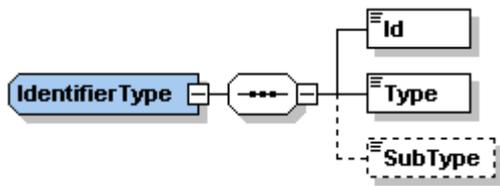
```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns3:PersonHistoryNationalityReply Id="CRN00000000004NZ" xmlns:ns2="urn:be:fgov:ehealth:commons:1_0:core"
xmlns:ns3="urn:be:fgov:ehealth:consultRN:1_0:protocol">
      <ns2:Status>
        <Code>100</Code>
        <Message Lang="EN">Service successful</Message>
      </ns2:Status>
      <SSIN>12345678910</SSIN>
      <NationalityHistory>
        <Source>RN_RR</Source>
        <Nationality Origin="RN_RR">
          <InsCode>150</InsCode>
          <Description Lang="FR">Belgique</Description>
          <Description Lang="NL">België</Description>
          <Description Lang="DE">Belgien</Description>
        </Nationality>
        <ObtainmentReason>
          <Code>0</Code>
          <Description Lang="FR">Code nationalité non mentionné</Description>
          <Description Lang="NL">Nationaliteitscode niet vermeld</Description>
        </ObtainmentReason>
      </NationalityHistory>
    </ns3:PersonHistoryNationalityReply>
  </S:Body>
</S:Envelope>
```

12 Generic structure

12.1 Identifier

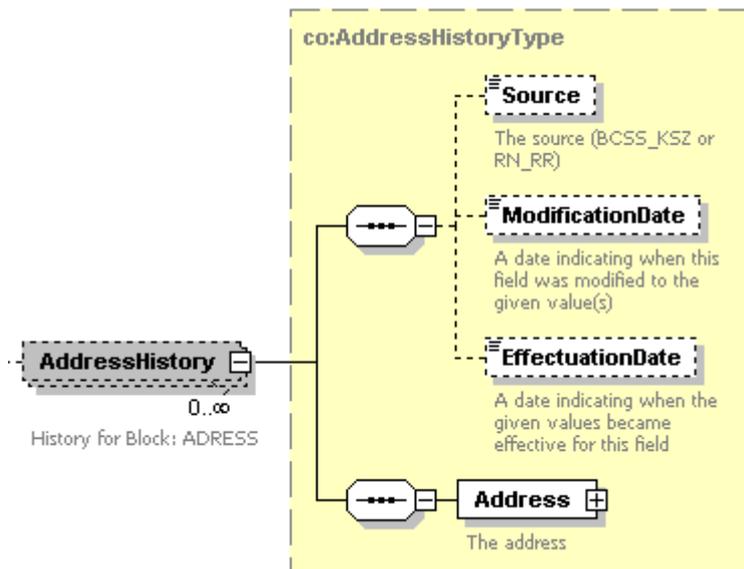
An identifier is schematized as follows:





Field name	Descriptions
Id	Number identifying the organization
Type	The Type field identifies the organization type: - RIZIV-INAMI number, use type NIHII - Enterprise number, use type "CBE" - EHP number, use type "EHP"
Subtype	The Subtype field provides further specification on the organization type. For example, a hospital is identified with the type NIHII and the subtype HOSPITAL. The list of supported organization can be found on the eHealth portal : https://www.ehealth.fgov.be/fr/support/services-de-base/webservices-consultrn-bulk-consultrn https://www.ehealth.fgov.be/nl/support/webservices-consultrr-bulk-consultrr

12.2 AddressHistoryType

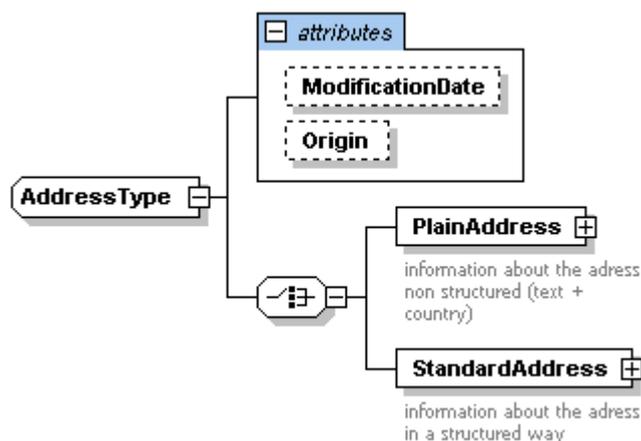


Field name	Descriptions
------------	--------------



Source	This field contains information about the institution source of the information
ModificationDate (=EffectuationDate)	This fields contains the modification date
EffectuationDate	This field contains a date indicating when the given values became effective for this field
Address	This block contain the address (more information, see section 12.3)

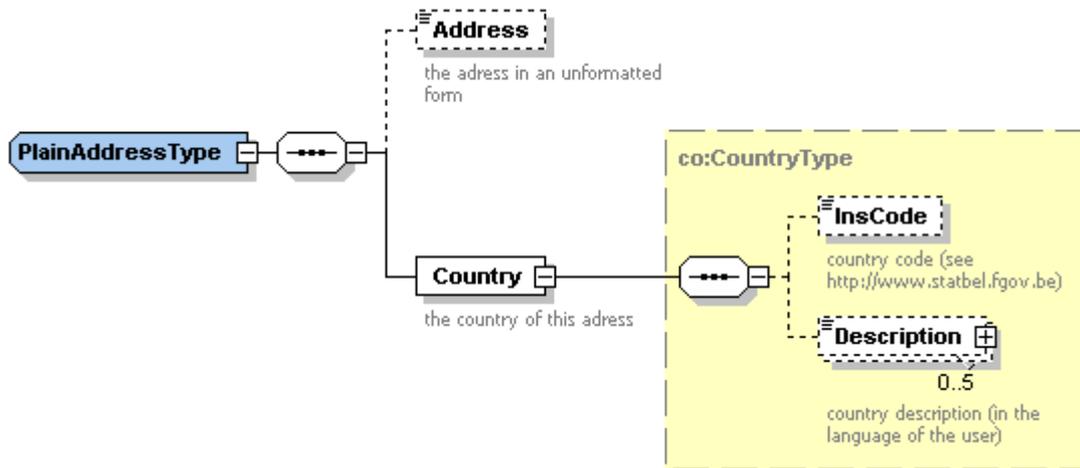
12.3 AddressType



Field name	Descriptions
@ModificationDate	This field contains the date since when these information are valid
@Origin	This fields contain the source of this information : national register of BIS register
PlainAddress	This block contain an address "unstructured", only used when no standard address is available (more information see section 12.4)
StandardAddress	This block contain an address with clear separation : street, number, municipality (more information see section 12.5)

12.4 PlainAddressType

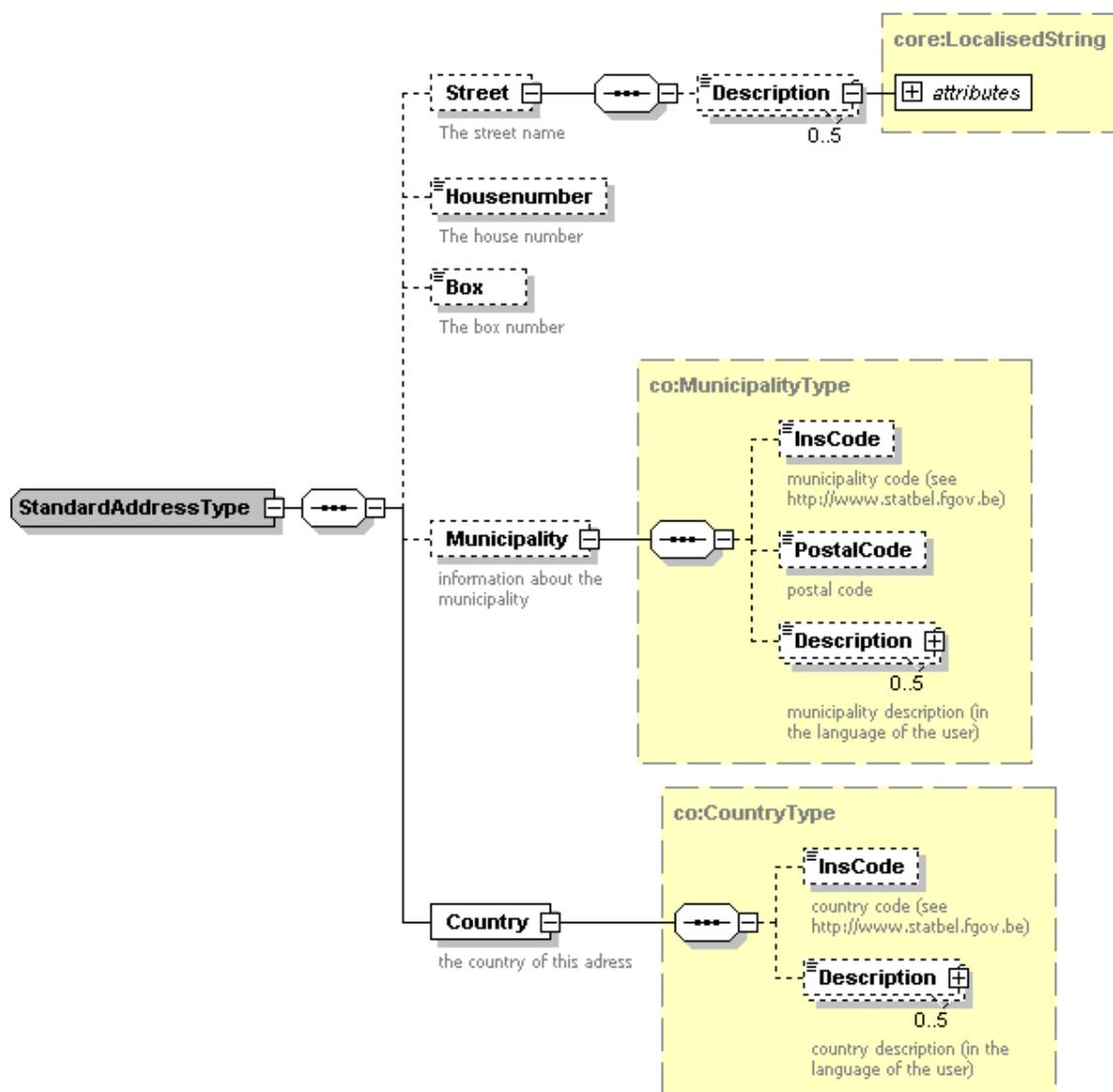




Field name	Descriptions
Address	This field contains all the information known about the address (except the country)
InsCode	This field contains the Ins code of the country
Description	This field contains the description of the country

12.5 StandardAddressType

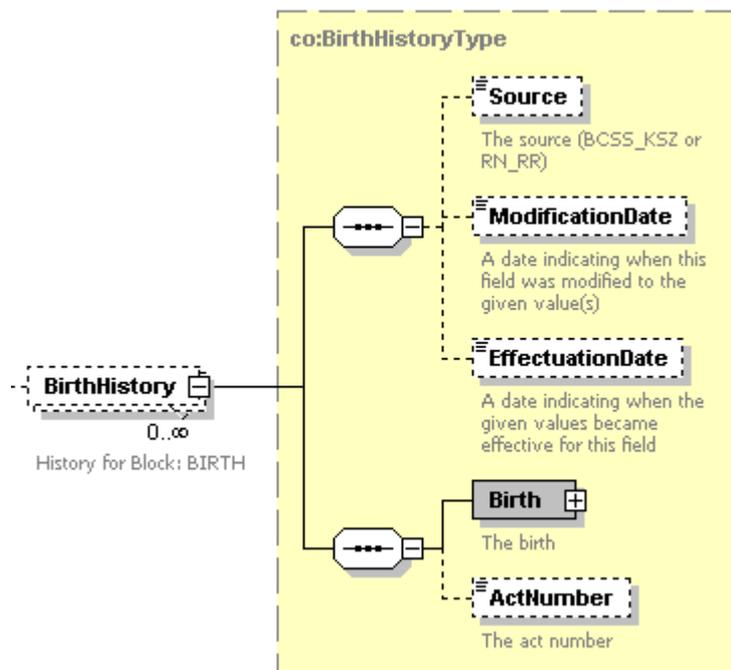




Field name	Descriptions
Street/Description	This field contains the street (and the translation if the street is in a bilingual municipality)
Housenumber	This field contains the number
Box	This field contains the box
Municipality/InsCode	This field contains the Ins code of the commune (only if the municipality is in Belgium)
Municipality/Postalcode	This field contain the postal code
Municipality/Description	This field contain the description of the municipality (and the translation if this is in a bilingual municipality)
Country/InsCode	This field contains the Ins code of the country
Country/Description	This field contains the description of the country



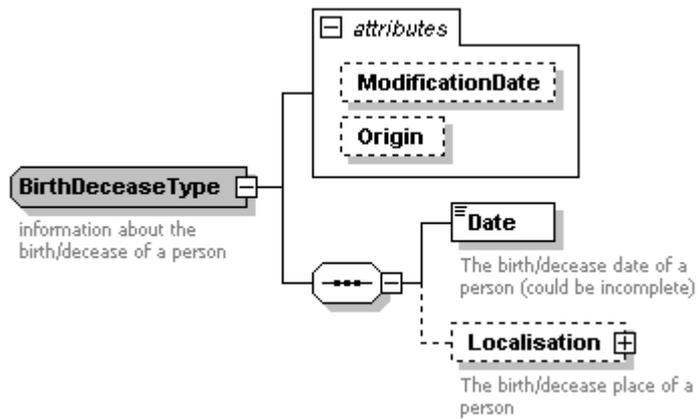
12.6 BirthHistoryType



Field name	Descriptions
Source	This field contains information about the institution source of the information
ModificationDate (deprecated)	This fields contains the modification date
EffectuationDate (deprecated)	This field contains a date indicating when the given values became effective for this field
Birth	This block contain the birth date and the birth location (more information, see section 12.7)
Act number	This field contains the act number



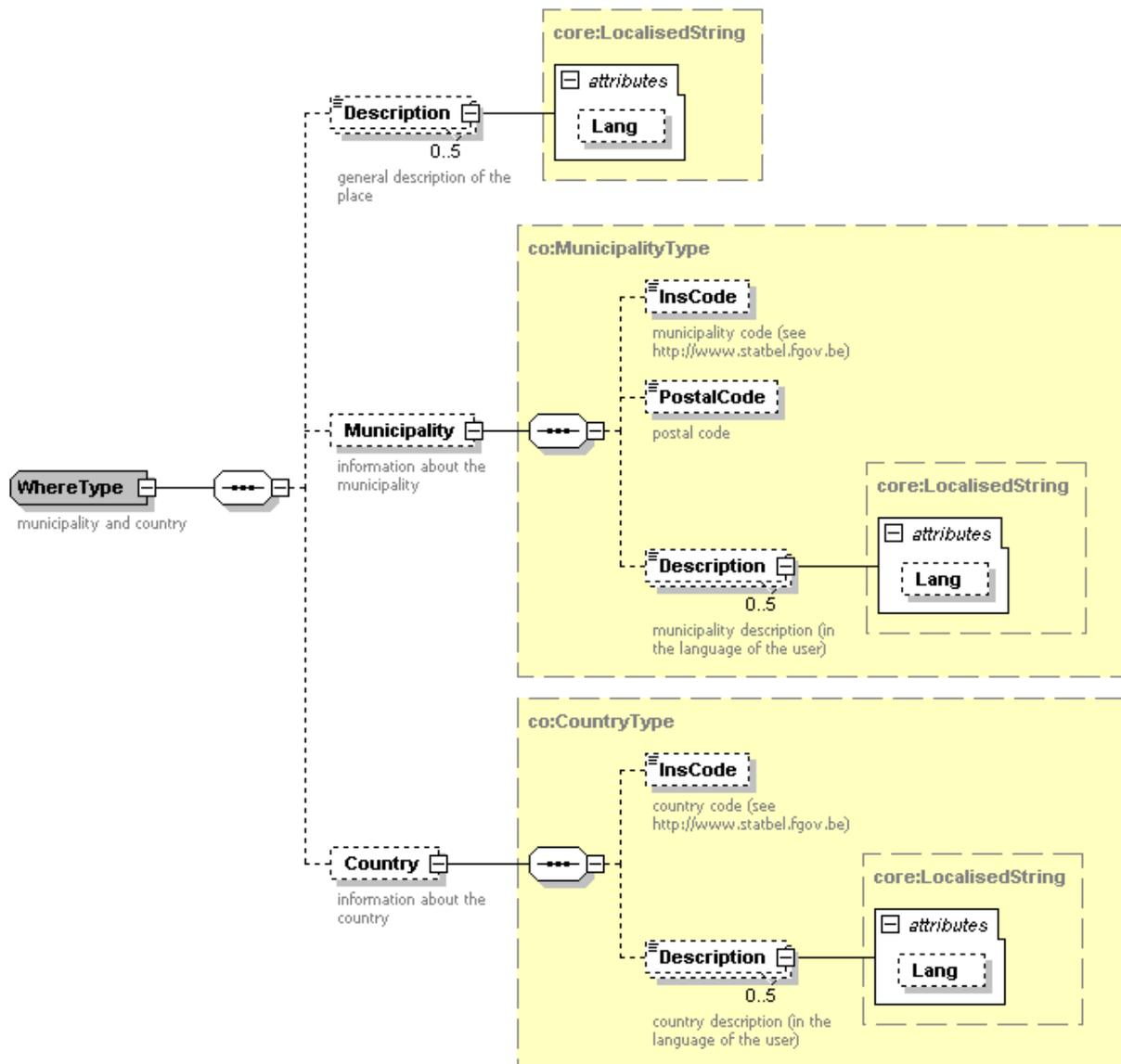
12.7 BirthDeceaseType



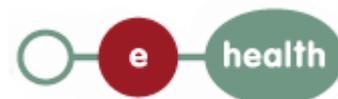
Field name	Descriptions
ModificationDate (deprecated)	This field contains the date since when these information are valid (yyyy-mm-dd)
Origin	This fields contain the source of this information : national register of BIS register
Date	This fields contains the birthdate of the decease date (yyyy-mm-dd). The date can be incomplete (two possibility : only the year is known : 1979-00-00 or only the year and month are known : 1979-10-00)
Localisation	This block contains the localization of the birth or the decease (more information see section 12.8)



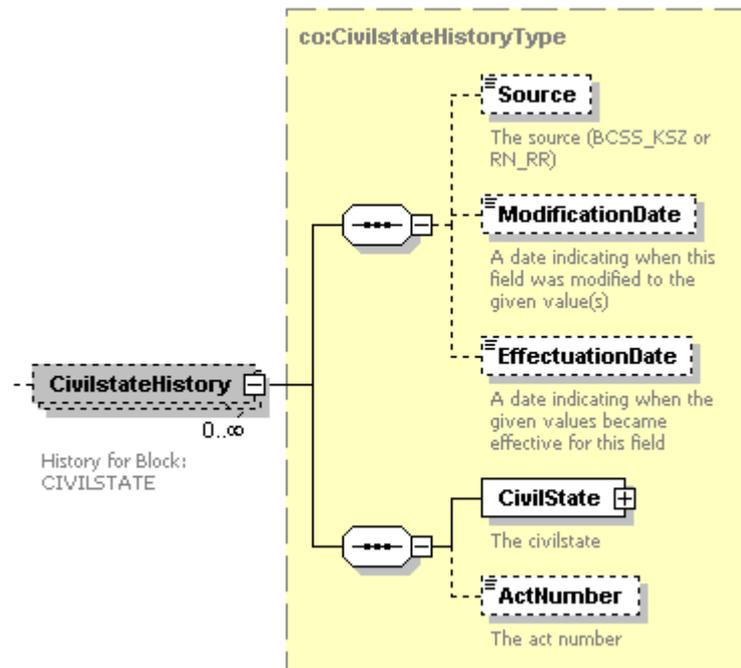
12.8 WhereType



Field name	Descriptions
Description	This fields contains a description of the localisation (this information can't be linked to a municipality or a country)
Municipality	This block contains information about the municipality (only used when the location is in Belgium) : <ul style="list-style-type: none"> the inscode contient le code INS de la commune Postalcode (not used) Description (not used)
Country	This block contains information about the country : <ul style="list-style-type: none"> the inscode contient le code INS du pays Description (not used)



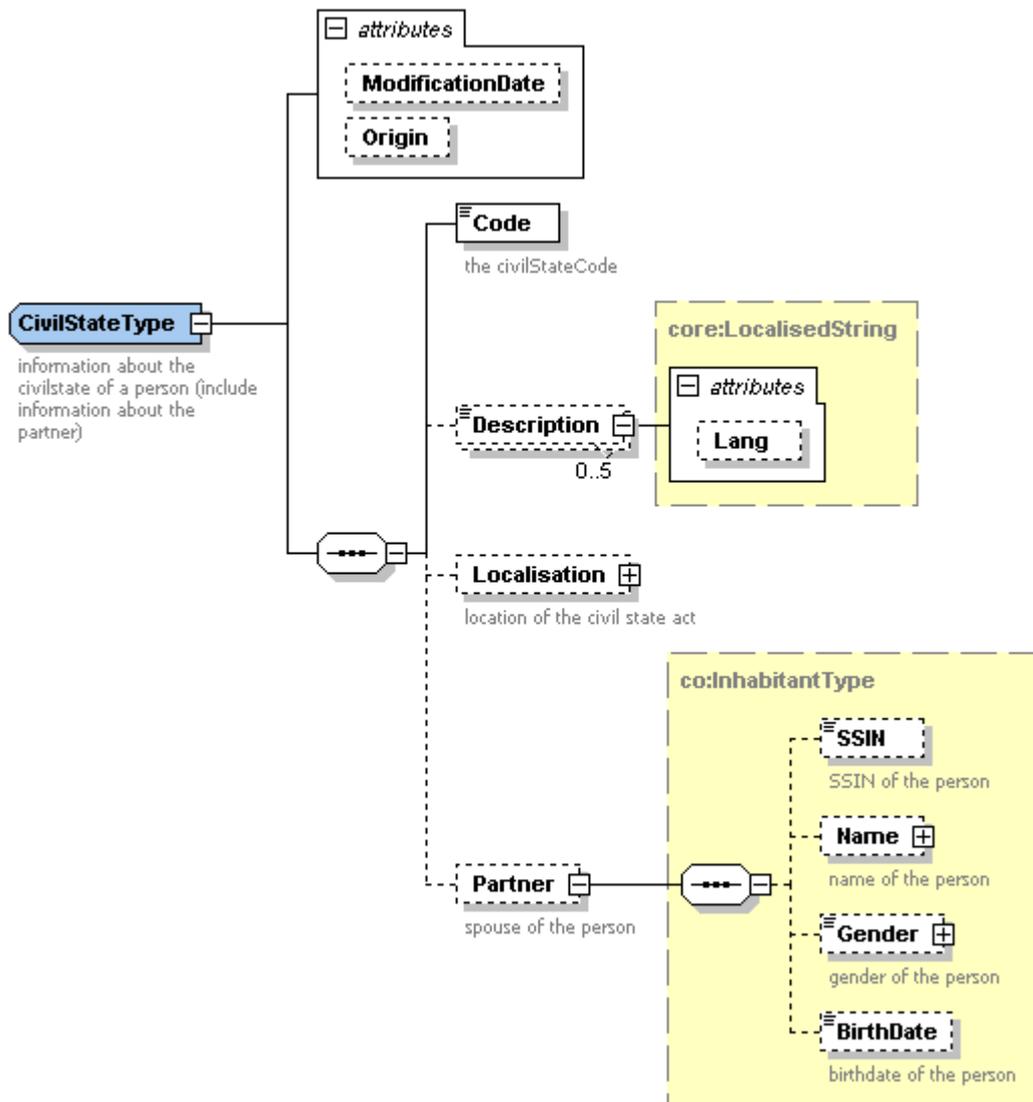
12.9 CivilStateHistoryType



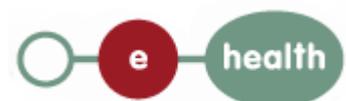
Field name	Descriptions
Source	This field contains information about the institution source of the information
ModificationDate (=EffectuationDate)	This fields contains the modification date
EffectuationDate	This field contains a date indicating when the given values became effective for this field
CivilState	This block contain information about the civilstate (more information, see section 12.10)
Act number	This field contains the act number



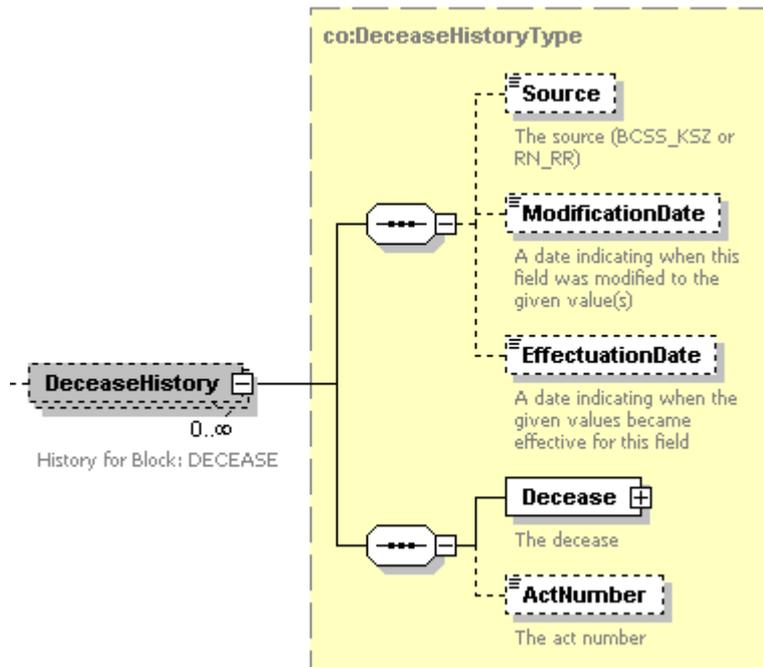
12.10 CivilStateType



Field name	Descriptions
@ModificationDate	This field contains the date since when these information are valid (yyyy-mm-dd)
@Origin	This fields contain the source of this information : national register of BIS register
Code	This field contain the code indicating the civil state of the person
Description	This field contain the description of this code
Localisation	This block contains the localization of the wedding,... (more information see section 12.8)
Partner	This field contain information about the partner (more information see section 12.12)

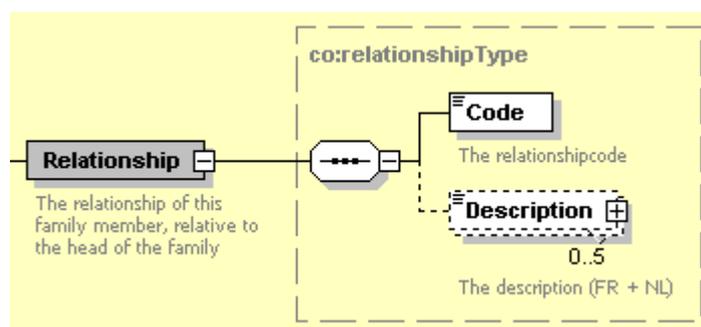


12.11 DeceaseHistoryType



Field name	Descriptions
Source	This field contains information about the institution source of the information
ModificationDate (=EffectuationDate)	This fields contains the modification date
EffectuationDate	This field contains a date indicating when the given values became effective for this field
Decease	This block contain the decease date and the location (more information, see section 12.7)
Act number	This field contains the act number

12.12 Relationship Type

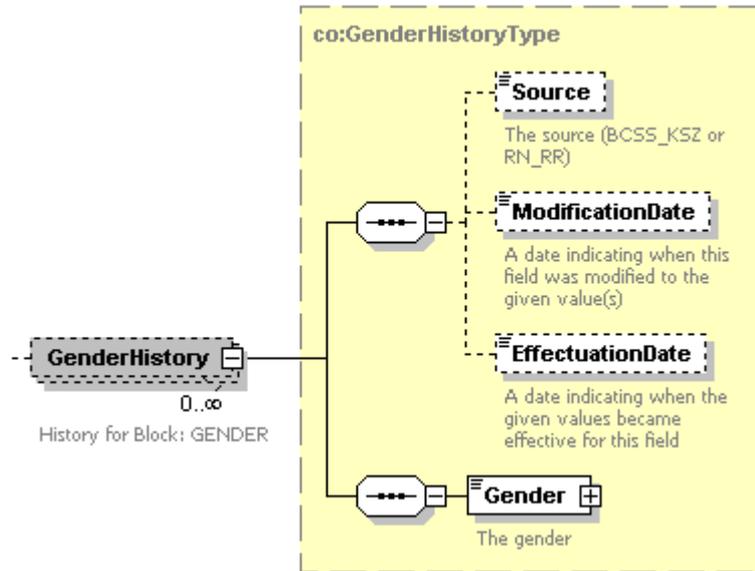


Field name	Descriptions
------------	--------------



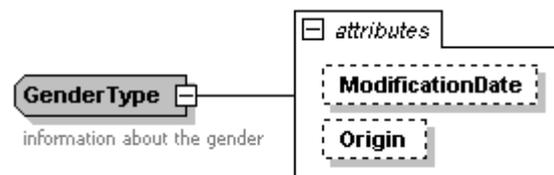
Code	This field contain the code indicating the relationship
Description	This fields contain a description (in English) of the code above

12.13 GenderHistoryType



Field name	Descriptions
Source	This field contains information about the institution source of the information
ModificationDate (=EffectuationDate)	This fields contains the modification date
EffectuationDate	This field contains a date indicating when the given values became effective for this field
Gender	This block contain the gender (more information, see section 12.14)

12.14 GenderType

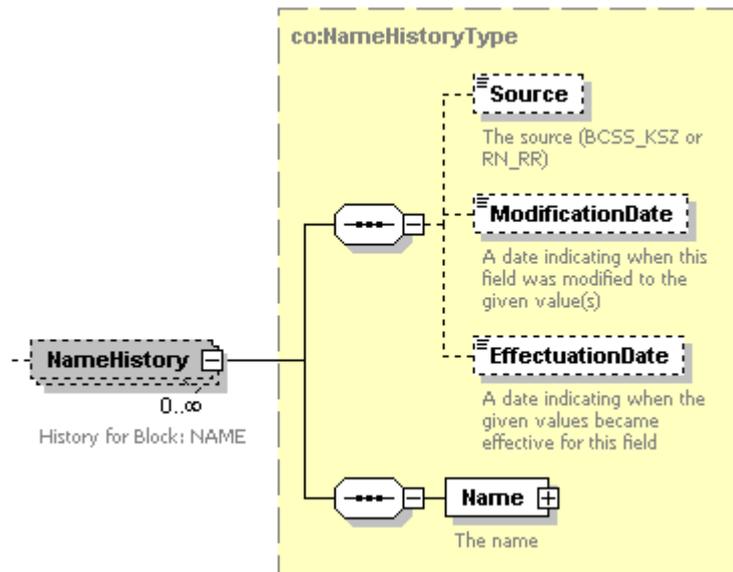


Field name	Descriptions
@ModificationDate	This field contains the date since when these information are valid (yyyy-mm-dd)



@Origin	This fields contain the source of this information : national register of BIS register
Gender	This field contains the gender of the person. The possible values are : MALE, FEMALE, UNKNOWN

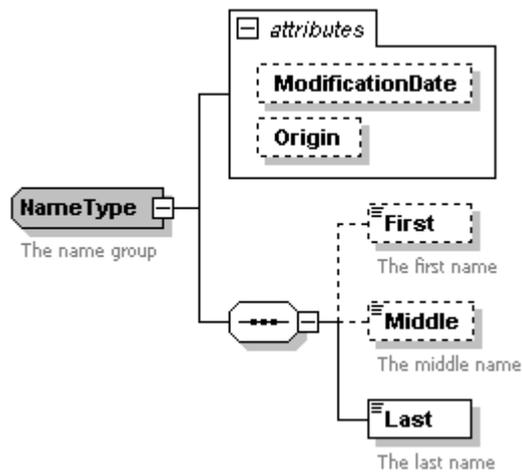
12.15 NameHistoryType



Field name	Descriptions
Source	This field contains information about the institution source of the information
ModificationDate (=EffectuationDate)	This fields contains the modification date
EffectuationDate	This field contains a date indicating when the given values became effective for this field
Name	This block contain the name (more information, see section 12.16)



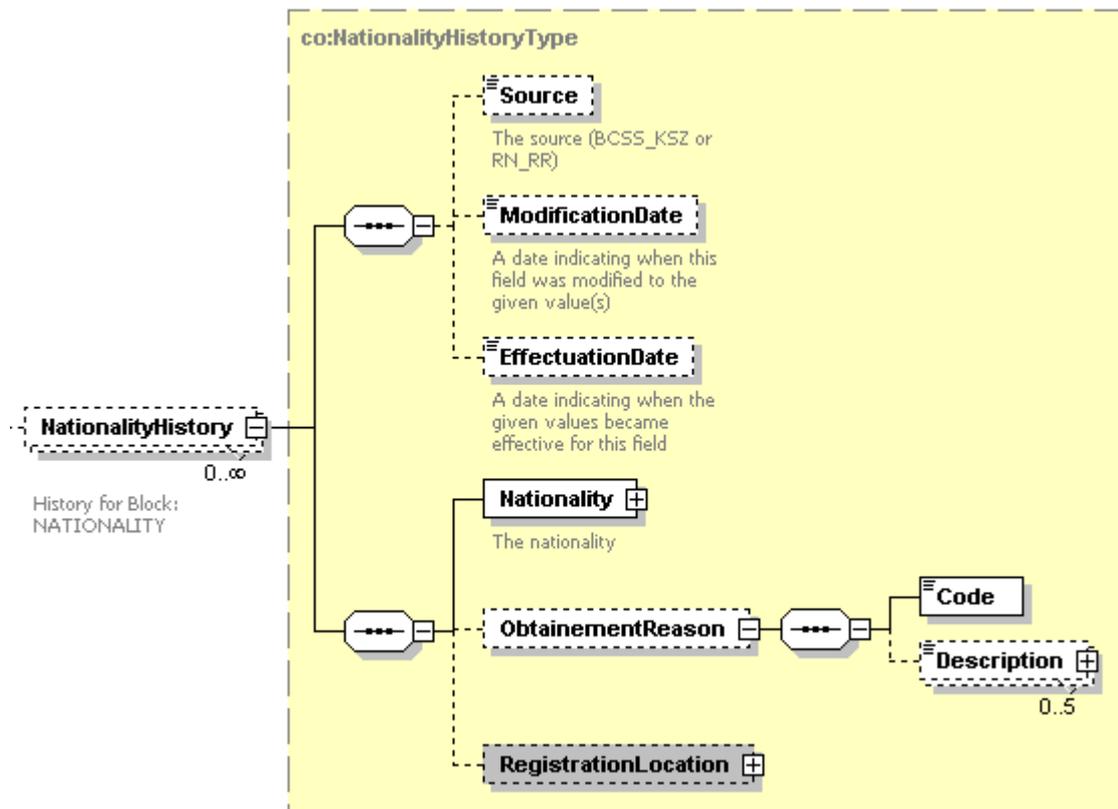
12.16 NameType



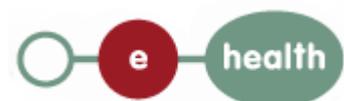
Field name	Descriptions
@ModificationDate	This field contains the date since when these information are valid (yyyy-mm-dd)
@Origin	This fields contain the source of this information : national register of BIS register
First	This field contains the first name of the person
Middle	This field contains the middle name of the person
Last	This field contains the last name of the person



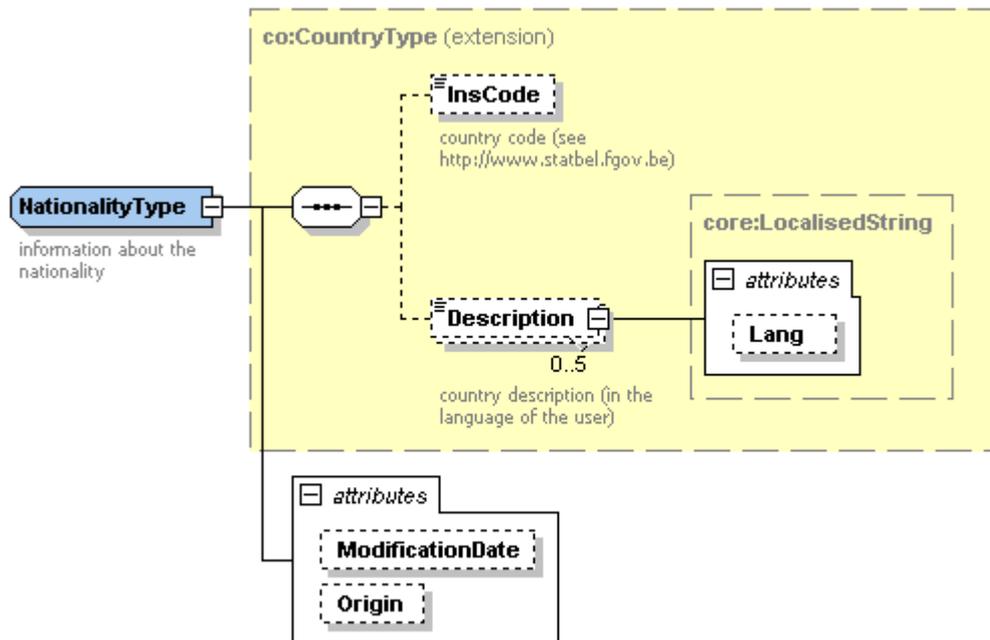
12.17 NationalityHistoryType



Field name	Descriptions
Source	This field contains information about the institution source of the information
ModificationDate (=EffectuationDate)	This fields contains the modification date
EffectuationDate	This field contains a date indicating when the given values became effective for this field
Nationality	This block contain the gender (more information, see section 12.18)
ObtainmentReason	This block contains information about the reason of the obtainement of this nationality
RegistrationLocation	This block contains information about the location of this registration (more information, see section 12.8)



12.18 NationalityType



Field name	Descriptions
@ModificationDate	This field contains the date since when these information are valid (yyyy-mm-dd)
@Origin	This fields contain the source of this information : national register of BIS register
InsCode	This field contains the Ins code of the country
Description	This field contains the description of the country

13 Overview of error codes

Each error message returned by the webservice will have the following structure:

```
<?xml version="1.0" encoding="UTF-8"?>
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns3:PersonHistoryOperation*Reply Id="CRN00000000004P5" xmlns:ns2="urn:be:fgov:health:commons:1_0:core"
xmlns:ns3="urn:be:fgov:health:consultRN:1_0:protocol">
      <ns2:Status>
        <Code>Error code</Code>
        <Message>Error type</Message>
        <Message>Error description</Message>
      </ns2:Status>
    </ns3:PersonHistoryOperation*Reply>
  </S:Body>
</S:Envelope>
```

Where **operation** = name of operation (Name, Birth, Gender, Decease, CivilState, Nationality,...)



The following table described the error code and action point for business problem:

Error code	Error type	Error description	Action
0	Business Problem : invalid author	HCP Identifier is not in database	CBE, NIHII or EHP identifier is not configured in database. Please take contact with contact center
1	Business Problem : invalid author	Application not in database	The application id is not configured in the database. Please take contact with contact center
2	Business Problem : invalid author	No granted right found for application	The application id is not allowed to call the webservice. Please take contact with contact center
3	Business Problem : invalid author	Application is not allowed to show data from this service/method	The application id is not allowed to call the webservice. Please contact the contact center
4	Business Problem : invalid author	Bad application ID (malformed)	The application Id is not valid. Please check the application id in your request.
8	Business Problem : invalid author	The applicationId is not linked to the organisation	Please take contact with contact center
11 – 40	Technical Error	Technical Error: While Delegating To Subsystem (CBSS webservice)	Please take contact with contact center
41 – 59	Technical Error	Technical Error: Problem With System (eHealth)	Please take contact with contact center
60	business error: invalid request	SSIN malformed	Please check that INSS in your request is valid
61	business error: invalid request	Required field missing	A needed field is xmissing in your request.
72	business error : No data found	No data found	There is no information about the individual.

14 Security

Web service security used in this manner is following the common standards. Your call will provide:

- SSL one way
- An X.509 certificate. This will contain the identifiers of the caller: NIHI number or enterprise number. More information on the contents of the certificate, see section 13.1. More information on how to obtain such a certificate:
https://www.ehealth.fgov.be/fr/page_menu/website/home/platform/basicservices/certificates.html
- Time to live of the message: one minute.
- Signature of the timestamp, body and binary security token. This will allow eHealth to verify the integrity of the message and the identity of the message author.
- No encryption on the message.

For further information, please refer to the separate document. In order to use the web services, an agreement from eHealth is required.