
ConsultRN eH

INFOSESSIE / SESSION D'INFO

TECHNICAL USERGROUP

07/11/2019

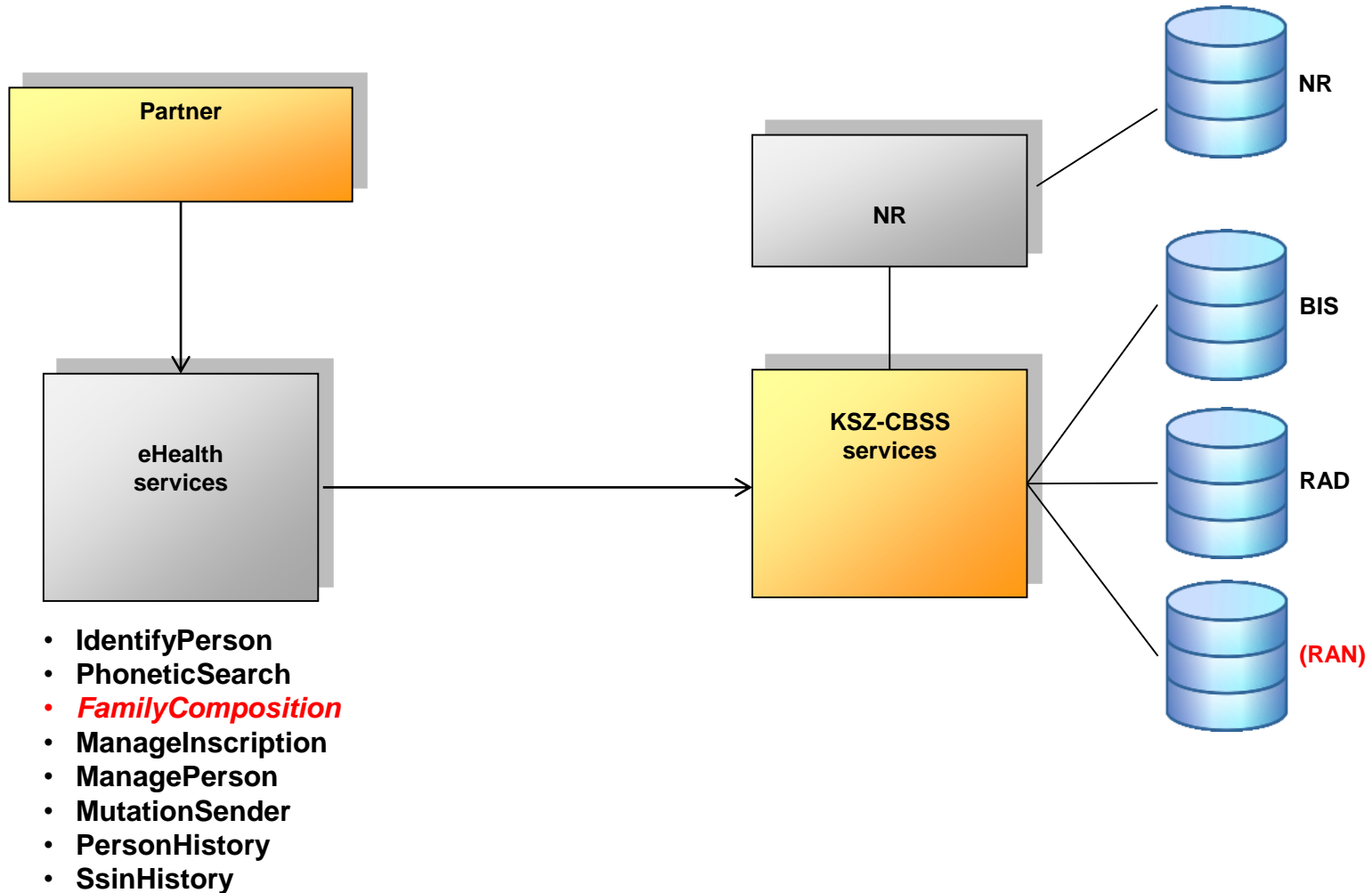
Agenda

- Introduction
- Mapping
 - Old vs new services
 - Comparison request/response
- Business anomalies
- Status handling
- Planning & deliverables

Introduction

- <https://www.ehealth.fgov.be/ehealthplatform/nl/service-webservices-consultrr>
- <https://www.ehealth.fgov.be/ehealthplatform/fr/service-webservices-consultrn>

Overzicht



Overzicht van de aangeboden diensten door het eHealth-Platform / Aperçu des services offerts par la Plate-forme eHealth

- Raadplegingsdiensten / Services de consultation:
 - SSINHistory
 - IdentifyPerson
 - Phonetic search
 - Personhistory
- Diensten voor het verkrijgen van mutaties / Services pour recevoir les mutations:
 - Manage inscription
 - Mutation sender
- Dienst voor de aanmaak van bis-nummers / Services pour la création des numéros bis:
 - Manage person

Présentation des services

IdentifyPerson	PhoneticSearch	PersonHistory	ManageInscription	MutationSender	SsinHistory	ManagePerson
<p>waarmee de gegevens van een patiënt in het rijksregister en in de Kruispuntbankregisters kunnen worden geraadpleegd op basis van een INSZ (identificatienummer van de sociale zekerheid) en de patiënt kan worden ingeschreven in het opvolgingsregister van zijn mutaties.</p>	<p>waarmee het geldend uniek identificatienummer binnen het rijksregister en de Kruispuntbankregisters op basis van fonetische criteria (bv. naam en geboortedatum) kan worden opgezocht.</p>	<p>waarmee de historiek (naam, geboorteplaats en -datum, geslacht, adres) van de gegevens van een patiënt in het rijksregister en de Kruispuntbankregisters kan worden geraadpleegd op basis van een INSZ (identificatienummer van de sociale zekerheid).</p>	<p>waarmee een instantie de inschrijving van een patiënt op de abonnementendiens van mutaties kan beheren om op de hoogte te blijven van de wijzigingen van diens gegevens (bv.: adreswijziging).</p>	<p>waarmee de wijzigingen (aanpassing, toevoeging of verwijdering) van de gegevens (bv. adreswijzigingen) van een patiënt kunnen worden verkregen. De patiënt moet op voorhand zijn ingeschreven op de abonnementendienst van de mutaties (ManageInscription)</p>	<p>waarmee de historiek van de unieke identificatienummers (INSZ/BISS) van een patiënt op basis van het laatste INSZ kan worden verkregen.</p>	<p>waarmee een bisnummer kan opgericht worden.</p> <p>waarmee in het kader van de integratietesten van de dienst ConsultRN een patiënt met fictieve rijksregistergegevens kan worden aangemaakt.</p>
<p>permet de consulter les données du registre national et des registres Banque Carrefour d'un patient à partir d'un NISS (Numéro d'Identification de la Sécurité Sociale) et d'inscrire celui-ci au registre de suivi de ses mutations.</p>	<p>permet de retrouver l'identifiant unique actif d'un patient au sein du registre national et des registres Banque Carrefour sur base de critères phonétiques (ex : nom et date de naissance).</p>	<p>permet de consulter l'historique (nom, date et lieu de naissance, sexe, adresse) des données du registre national et des registres Banque Carrefour d'un patient à partir d'un NISS (Numéro d'Identification de la Sécurité Sociale</p>	<p>permet à une organisation de gérer l'enregistrement d'un patient au service d'abonnement de mutations afin d'être tenu à jour concernant les modifications des données de celui-ci (ex : changement d'adresse).</p>	<p>permet de recevoir les modifications (adaptation, ajout ou suppression) des données (ex : changement d'adresses) du patient. Au préalable, le patient devra être inscrit au service d'abonnement de mutation (ManageInscription)</p>	<p>permet de recevoir l'historique des identifiants uniques (NISS/BISS) pour un patient à partir du dernier NISS connu par le prestataire</p>	<p>permet de créer des numéro NISS-bis.</p> <p>permet aussi, dans le cadre des tests d'intégration du service ConsultRN, de créer un patient avec des données fictives au niveau du registre national.</p>

Introduction

■ History

- 2009: First version of ConsultRN services
- 2016: Second version of ConsultRN services

2020: New version planned of web services

- SOAP protocol services
- Security:
 - Organisation: X.509
 - Professional: SAML HOK

Introduction

2020: New version planned of web services

- New endpoints

Service	Endpoint
PersonService	https://services-acpt.ehealth.fgov.be/rnconsult/personService/v1 https://services.ehealth.fgov.be/rnconsult/personService/v1
InscriptionService	https://services-acpt.ehealth.fgov.be/rnconsult/inscriptionService/v1 https://services.ehealth.fgov.be/rnconsult/inscriptionService/v1
PersonInfoGroupService	https://services-acpt.ehealth.fgov.be/rnconsult/personInfoGroupService/v1 https://services.ehealth.fgov.be/rnconsult/personInfoGroupService/v1
PersonNotifications	https://services-acpt.ehealth.fgov.be/rnconsult/personNotifications/v1 https://services.ehealth.fgov.be/rnconsult/personNotifications/v1
CbssPersonService	https://services-acpt.ehealth.fgov.be/rnconsult/cbssPersonService/v1 https://services.ehealth.fgov.be/rnconsult/cbssPersonService/v1
SsinInformationService	https://services-acpt.ehealth.fgov.be/rnconsult/ssinInformationService/v1 https://services.ehealth.fgov.be/rnconsult/ssinInformationService/v1

Mapping CONSULTRN vs RNCONSULT (1)

ConsultRN Service name	ConsultRN Operation name	RNconsult Service name	RNconsult Operation name
IdentifyPerson	SearchBySSINRequest SearchBySSINResponse	PersonService	SearchPersonBySsinRequest SearchPersonBySsinResponse
PhoneticSearch	SearchPhoneticRequest SearchPhoneticResponse	PersonService	SearchPersonPhoneticallyRequest SearchPersonPhoneticallyResponse
ManagelInscription	InsertInscriptionRequest InsertInscriptionResponse DeleteInscriptionRequest DeleteInscriptionResponse	InscriptionService	AddInscriptionRequest AddInscriptionResponse RemoveInscriptionRequest RemoveInscriptionResponse
PersonHistory	PersonHistoryAddressRequest PersonHistoryBirthRequest PersonHistoryCivilStateRequest PersonHistoryDeceaseRequest PersonHistoryNameRequest PersonHistoryGenderRequest PersonHistoryNationalityRequest PersonHistoryAddressResponse PersonHistoryBirthResponse PersonHistoryCivilStateResponse PersonHistoryDeceaseResponse PersonHistoryNameResponse PersonHistoryGenderResponse PersonHistoryNationalityResponse	PersonInfoGroupService	SearchPersonInformationBySsinRequest SearchPersonInformationBySsinResponse

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Mapping CONSULTRN vs RNCONSULT (2)

ConsultRN service name	ConsultRN Operation name	RNconsult Service name	RNconsult Operation name
MutationSender (V1/V2)	V1: mutationRequest mutationResponse V2: GetOldestRequest GetOldestResponse DeleteMutationRequest DeleteMutationResponse	PersonNotifications	GetPersonNotificationRequest GetPersonNotificationResponse DeletePersonNotificationRequest DeletePersonNotificationResponse
ManagePerson	RegisterPersonRequest RegisterPersonResponse	CbssPersonService	RegisterPersonRequest RegisterPersonResponse
SsinHistory	ConsultCurrentSsinRequest ConsultCurrentSsinResponse ConsultRelatedSsinsRequest ConsultRelatedSsinsResponse	SsinInformationService	ConsultCurrentSsinRequest ConsultCurrentSsinResponse ConsultRelatedSsinsRequest ConsultRelatedSsinsResponse

PersonService

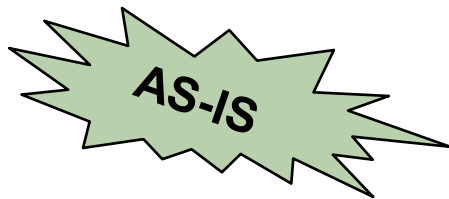
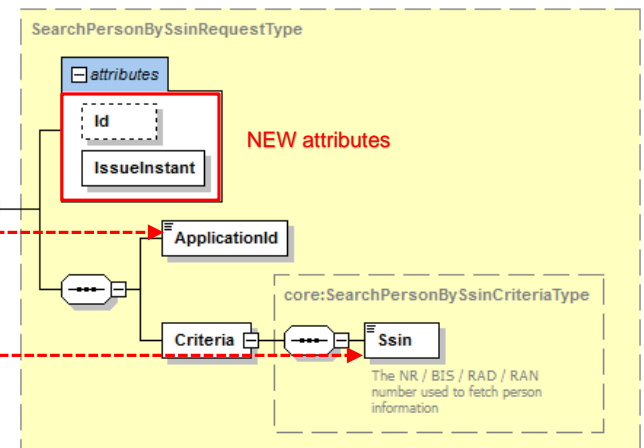
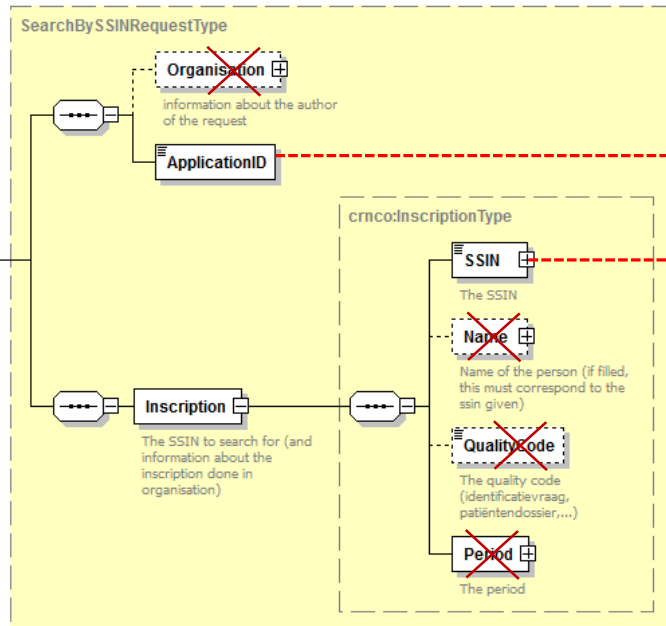
Search current information about a person

- Based on inss (or inssbis)
 - Does not longer support person inscriptions to receive mutations
→ Use the new Inscription service instead

- Based on phonetic criteria
 - Name
 - Lastname
 - Givenname
 - Search algorithm for the given name
 - Birthdate
 - Gender
 - Address
 - Country code
 - City code (optional)

PersonService by inss

- Request



PersonService by inss

- Request

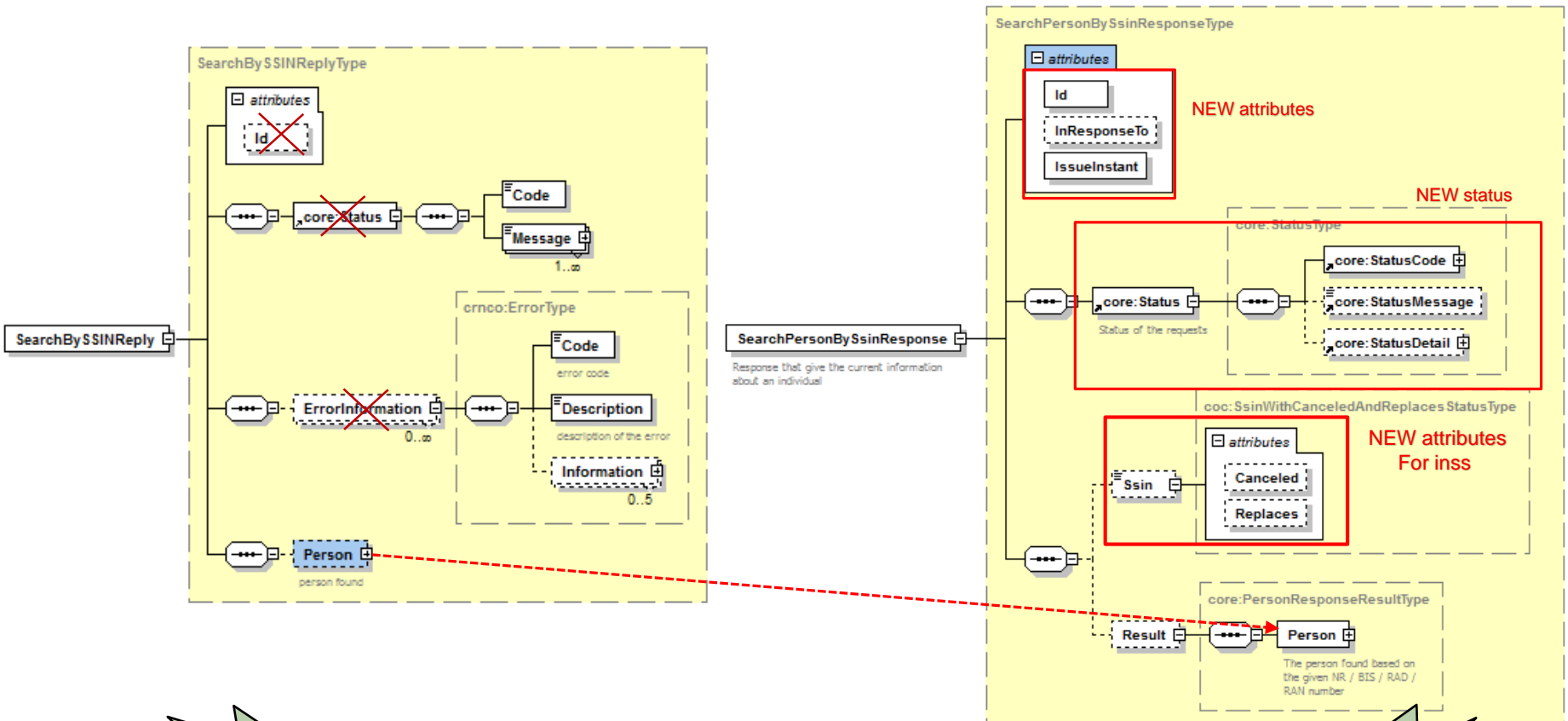
- New attributes

- *@id (optional)*: request identifier (ex: *id-1EF49E42*)
 - *@IssueInstant (mandatory)*: request timestamp (ex: 2019-11-05T09:04:03.697+01:00)

eHealth strongly recommends to define a value for the attribute *Id* for issue and bug tracking

PersonService by inss

- Response



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PersonService by inss

■ Response

• New attributes

- *@id (optional): eHealth identifier (ex: id-1EF49E42)*
- *@IssueInstant (mandatory): response timestamp (ex: 2019-11-05T09:04:03.697+01:00)*
- *@InresponseTo (optional): request identifier repeated*

• New status

- **StatusCodes:** Information about the status request

StatusCode value	Description
urn:be:fgov:health:2.0:status:Success	everything OK
urn:be:fgov:health:2.0:status:Requester	error caused by client (consumer)
urn:be:fgov:health:2.0:status:Responder	error caused by server (provider)

- **StatusMessage:** Additional information about the error
- **StatusDetails:** Extra information about the status when error is caused by provider

PersonService by inss

- Response
 - New attributes for Inss
 - *@Canceled (optional)*
 - Type: boolean
 - Value is TRUE if ssin is cancelled
 - *@Replaces (optional)*
 - Type: INSS
 - Value is the old Inss

PersonService by inss

- Scenario 1: Inssbis is replaced by another Inss
 - Current service:
 - Business error returned (code : 74)

```
<ns2:SearchBySSINReply Id="_9ec05025b4ca4c08b2029414fea2e7c0" xmlns:ns2="urn:be:fgov:ehealth:consultRN:1_0:protocol"
xmlns:ns3="urn:be:fgov:ehealth:commons:1_0:core">
  <ns3:Status>
    <Code>74</Code>
    <Message Lang="EN">The SSIN (xxxxxxxx88) was replaced by xxxxxxxx75</Message>
  </ns3:Status>
</ns2:SearchBySSINReply>
```

- Need to call identifyPerson with the new inss to:
 - Get current information
 - Register the new Inss

PersonService by inss

- Scenario 1: Inssbis is replaced by another Inss
 - New service:

```
<?xml version="1.0" encoding="UTF-8"?>
<n1:SearchPersonBySsinResponse xmlns:core="urn:be:fgov:ehhealth:commons:core:v2" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:n2="urn:be:fgov:ehhealth:rn:personservice:core:v1" xmlns:n1="urn:be:fgov:ehhealth:rn:personservice:protocol:v1" Id="ID1"
InResponseTo="String" IssueInstant="2001-12-17T09:30:47Z" xsi:schemaLocation="urn:be:fgov:ehhealth:rn:personservice:protocol:v1 ehhealth-
rnconsult-personservice-protocol.xsd">
  <core:Status>
    <core:StatusCode Value="urn:be:fgov:ehhealth:2.0:status:Success"/>
  </core:Status>
  <Ssin Replaces="00000000200">00000000100</Ssin>
  <n1:Result>
    <n2:Person Register="NR" RegisterInceptionDate="1957-08-13">
      <Name>
        <LastName>Lastname</LastName>
        <GivenName Sequence="3">GivenName</GivenName>
        <InceptionDate>1957-08-13</InceptionDate>
      </Name>
      .....
    </n2:Person>
  </n1:Result>
</n1:SearchPersonBySsinResponse>
```

- Need to call inscription service to register the new Inss

PersonService by inss

■ Scenario 2: Inss is cancelled

- Current service:
 - Business error returned (code : 64)

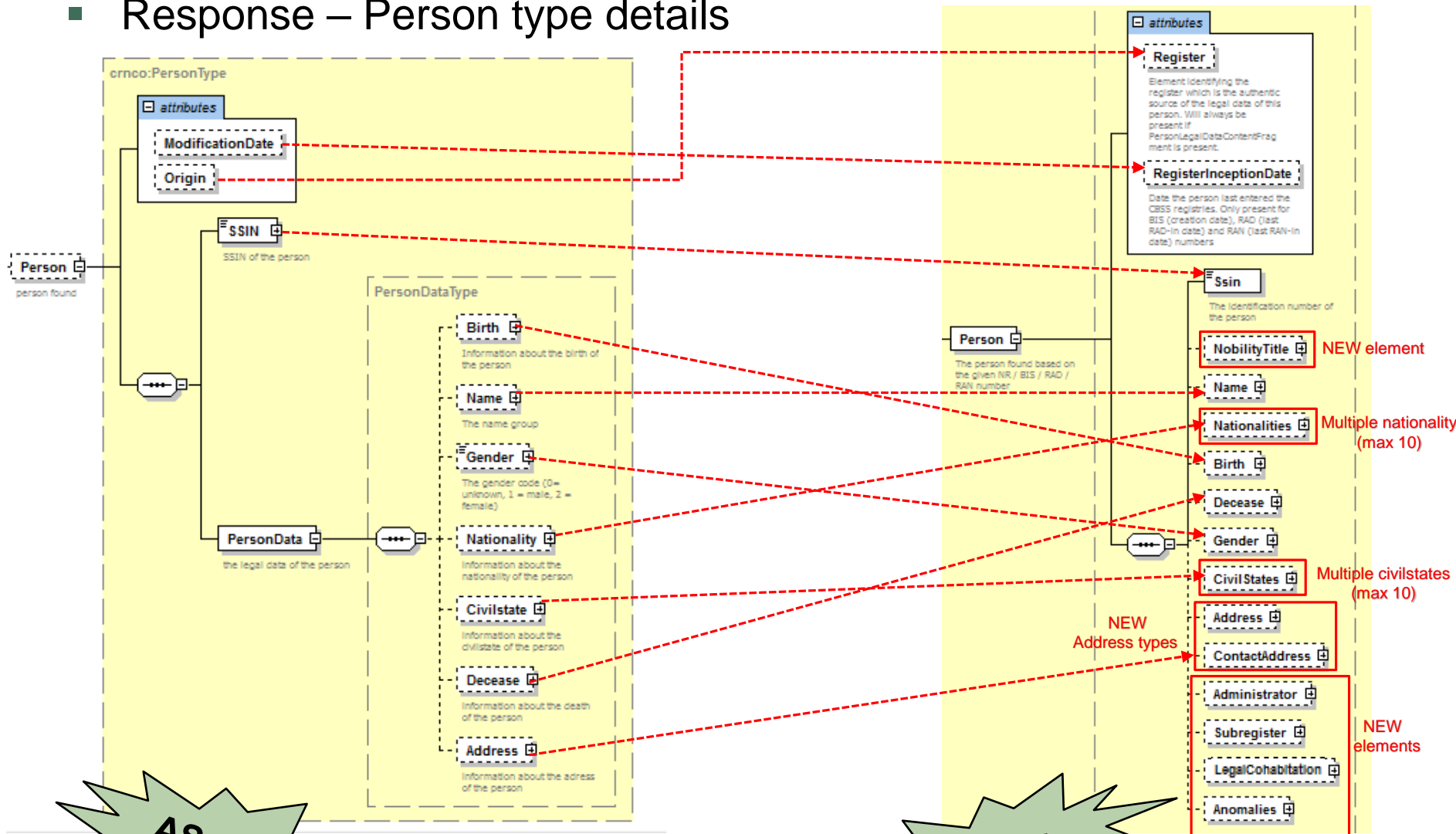
```
<ns2:SearchBySSINReply Id="_7b426cf8e4dc4bc9a07a3f7ee30bdc9d" xmlns:ns2="urn:be:fgov:health:consultRN:1_0:protocol"
xmlns:ns3="urn:be:fgov:health:commons:1_0:core">
  <ns3:Status>
    <Code>64</Code>
    <Message Lang="EN">Business Problem : the ssin was cancelled</Message>
    <Message Lang="EN">Ssin cancelled</Message>
  </ns3:Status>
</ns2:SearchBySSINReply>
```

- New service:

```
<?xml version="1.0" encoding="UTF-8"?>
<n1:SearchPersonBySsinResponse xmlns:core="urn:be:fgov:health:commons:core:v2"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:n2="urn:be:fgov:health:rn:personservice:core:v1"
xmlns:n1="urn:be:fgov:health:rn:personservice:protocol:v1" Id="ID1" InResponseTo="String" IssueInstant="2001-12-
17T09:30:47Z" xsi:schemaLocation="urn:be:fgov:health:rn:personservice:protocol:v1 health-rnconsult-personservice-
protocol.xsd">
  <core:Status>
    <core:StatusCode Value="urn:be:fgov:health:2.0:status:Success"/>
  </core:Status>
  <Ssin Canceled="true">00000000100</Ssin>
</n1:SearchPersonBySsinResponse>
```

PersonService by inss

Response – Person type details



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PersonService - response

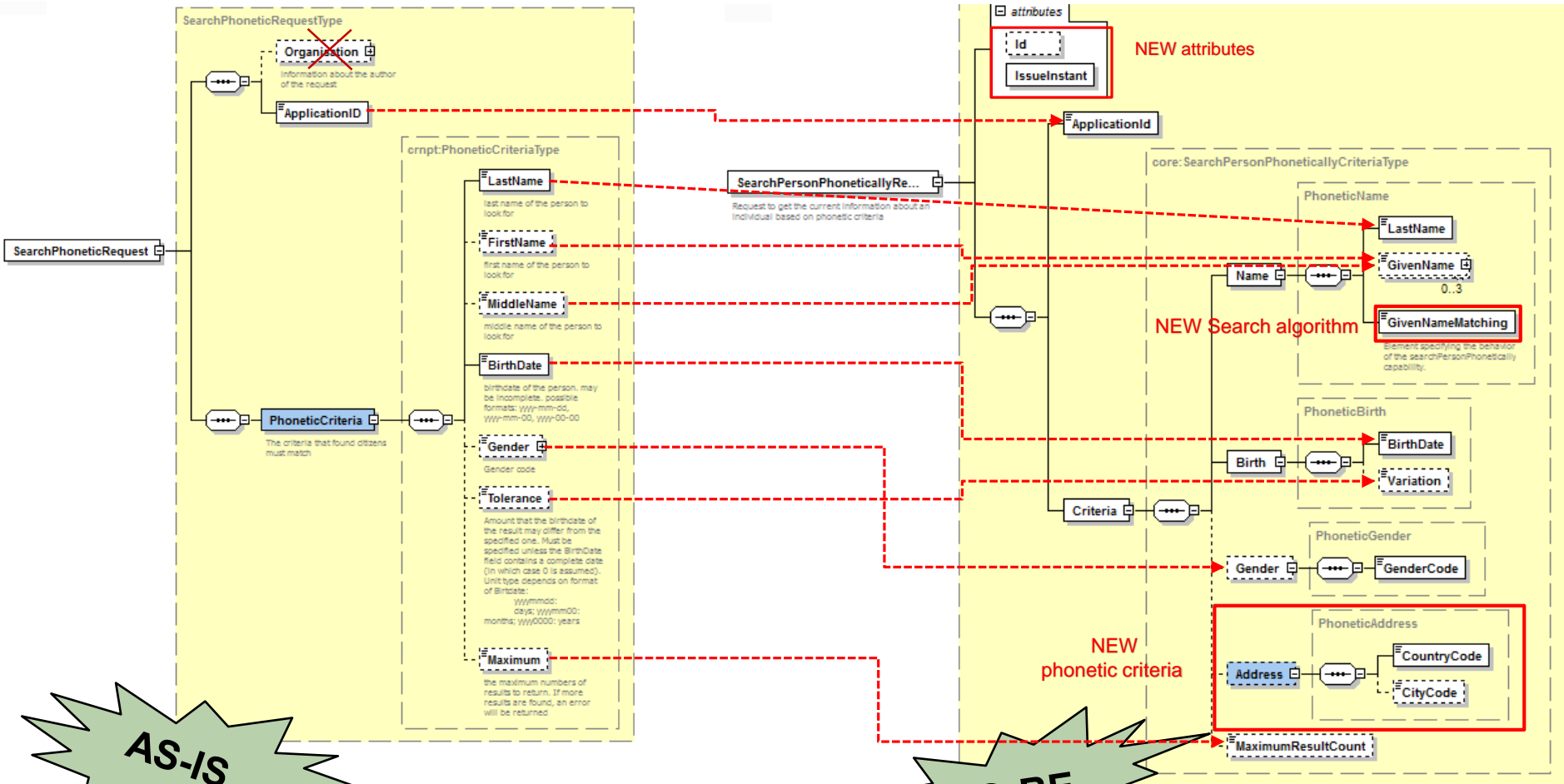
■ New elements

- Nobility title (*): information about nobility title of a person
- Address(*): address of a person living in Belgian or abroad
- Contact address(*): contact address of a person identified by a bis number
- Administrator(*): information about the data manager (city or country)
- Subregister(*): information about the partial register (restricted to national register)
- LegalCohabitation(*): information about the legal cohabitation of a person
- Anomalies: inconsistency in the data returned by KSZ-CBSS
example: lastname is too long and has been splitted

(*) An authorization from sectorial committee is needed for these new elements

PersonService by phonetic criteria

- Request



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PersonService by phonetic criteria

■ Request

• New attributes

- *@id (optional)*: request identifier (ex: *id-1EF49E42*)
- *@IssueInstant (mandatory)*: request timestamp (ex: 2019-11-05T09:04:03.697+01:00)

eHealth strongly recommends to define a value for the attribute *Id* for issue tracking

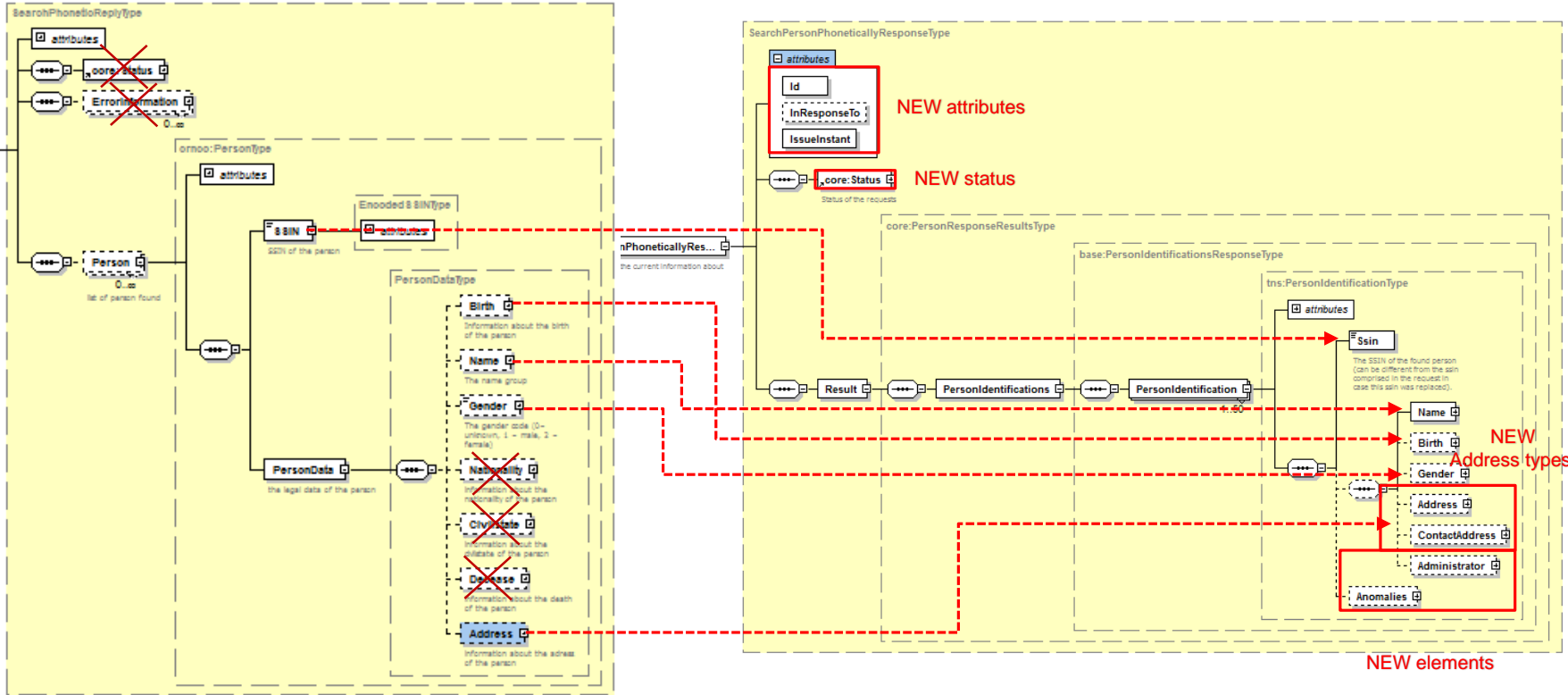
• New element : search algorithm for given name

- Current service (Algorithm: *COMPLETE_FIRST_GIVENNAME*)
 - Register BCSS : first full name in phonemes
 - Register national: first full name in phonemes
- Other algorithms available

Algorithm value	Description
FIRST_LETTER_FIRST_GIVENNAME	Register BCSS : search only on the first letter of the first name Register national: first full name in phonemes
ALL_GIVENNAME	Register BCSS : all given names (maximum 3) in phonemes Register national : first and second names in phonemes
IGNORE_GIVENNAME	Register BCSS : first names are not taken into account in the search Register national : first names are not taken into account in the search

PersonService by phonetic criteria

- Response



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PersonService by phonetic criteria

■ Response

• New attributes

- *@id (optional)*: eHealth identifier (ex: *id-1EF49E42*)
- *@IssueInstant (mandatory)*: response timestamp (ex: 2019-11-05T09:04:03.697+01:00)
- *@InresponseTo (optional)*: request identifier repeated

• New status

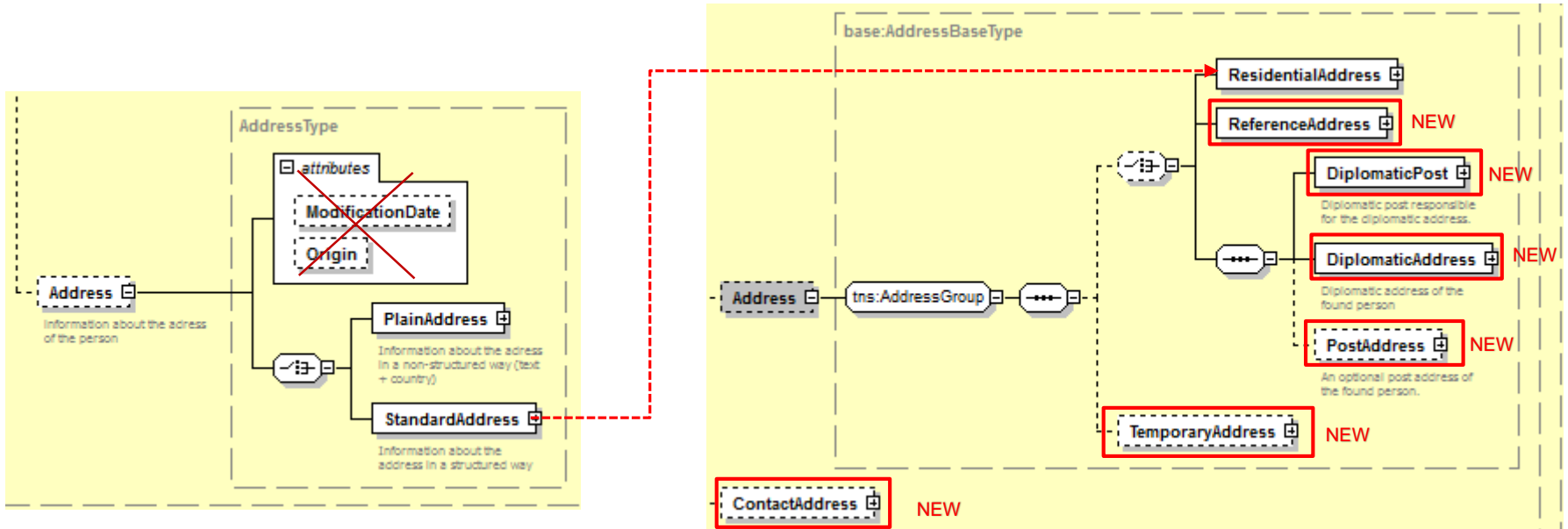
- Analogous to status for the operation based on INSS

• New elements

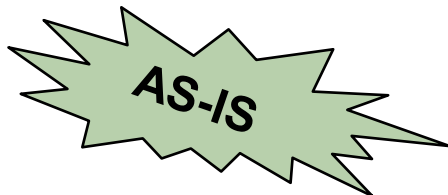
- **Address**: address of a person living in Belgian or abroad
- **Contact address**: contact address of a person identified by a bis number
- **Anomalies**: inconsistency in the data returned by KSZ-CBSS
example: lastname is too long and has been splitted

PersonService – Address type

- Address



PlainAddress is now a part of TemporaryAddress, DiplomaticAddress, PostAddress



PersonService – Address type

Element	Description
Residential address	Residential address in Belgium or Abroad
Reference address	Reference address in Belgium or Abroad
<i>New</i> Diplomatic address + <i>New</i> (optional) Post address	The address that has been registered via the diplomatic post + Data from the diplomatic address where the address abroad has been registered
<i>New</i> Temporary address	Temporary address in Belgium or abroad (for example, in case of declaration of change of address)
<i>New</i> Contact address (bis)	Contact address of a person (present in the bis register)

A person can have between 1 and 3 address maximum

Example: *Diplomatic address + post address + temporary address*

PersonService – Address type

- List of data available by address type

Element	Description	Residential (reference) address	Diplomatic address	Diplomatic post address	Post Address	Temporary addresses	Contact address
CountryCode	The country code of the country (NIS code)	V	V	V	V	V	V
CountryCodeISO	The 2-letter ISO code of the country (ISO 3166 alpha-2)	V	V	V	V	V	V
CountryName (beST)	The name of the country	V	V	V	V	V	V
RegionCode (beST)	The region code of the region	V					V
RegionName (beST)	The name of the region	V					V
CityCode (beST)	Municipality code (NIS code)	V					V
CityName	Municipality name	V					V
PostalCode	Postal code of the municipality	V					V
StreetCode	Street code assigned by the National Register	V					V
RegionalStreetCode (beST)	Street code assigned by the regional source	V					V
StreetName	Street name	V					V
HouseNumber	House number	V					V
BoxNumber	Bus number	V					V
AddressRegionalCode (beST)	A unique identification number of the address within the regional	V					V
InceptionDate	Entry date of the entry	V	V		V	V	V
Address (unstructured)	Address unstructured		V		V	V	
Diplomatic PostCode	The NIS code of the diplomatic post			V			
DiplomaticPostName	The description of the diplomatic post			V			

PersonService – Address type

- Data type for *Residential(Reference)Address* & *ContactAddress*

Element	Abroad	Belgian (current)	Belgian (Best)
CountryCode	V	150	150
CountryCodeISO	V	V	V
CountryName	V	V	V
RegionCode			V
RegionName			V
CityCode			V
CityName	V	V	
PostalCode	V	V	
StreetCode		V	
RegionalStreetCode			V
StreetName	V	V	V
HouseNumber	V	V	V
BoxNumber	V	V	V
AddressRegionalCode			V
InceptionDate	V	V	V

PersonService – Address type

- Data type for *DiplomaticAddress*

Element	Abroad	Belgian (current)	Belgian (Best)
CountryCode	V	150	150
CountryCodeISO	V	V	V
CountryName	V	V	V
Address (unstructured)	V	V	V
DiplomaticPostCode	V	V	V
DiplomaticPostName	V	V	V

PersonService – Address type

- Data type for *PostAddress* & *TemporaryAddress*

Element	Abroad	Belgian (current)	Belgian (Best)
CountryCode	V	150	150
CountryCodeISO	V	V	V
CountryName	V	V	V
Address (unstructured)	V	V	V
InceptionDate	V	V	V

PersonService – Address type

■ Summary

- New address data type based on BeST:
CountryName, RegionCode, RegionName, CityCode, RegionalStreetCode, AddressRegionalCode
- Some data will no longer be returned when BeST becomes active
CityName, PostalCode, StreetCode
- No information yet received about planning of BeST from KSZ-BCSS

InscriptionService - summary

Subscribe to receive data mutations for a person

- Similar functionalities as current service *ManageInscription*

PersonInfogroupService - summary

Search historic data about a person based on inss (inssbis)

- Only one generic operation to get data historic information
Compared to analogous service PersonHistory :
one operation per historic data
- List of historic data available

Name	Address
Nationalities	LegalCohabitation
Birth	
Decease	ContactAddress (*)
Gender	Administrator (*)
CivilStates	Subregister (*)

(*) Added data groups in this new service (authorization is needed for each of them)

CbssPersonService - summary

Register a new person in bis register (@BCSS)

- Compared to current service: person living abroad
 - ContactAddress must be used
 - ResidentialAdress will return an error
- Analogous functionalities as current service *ManagePerson*

SsinInformationService - summary

Get the current identifier

OR

Get all related identifiers

linked to a person based on inss (inssbis)

- Analogous functionalities as current service *SsinHistory*

PersonNotifications - summary

Get the notification(s) about a person

- Three notifications types
 - updateNotifications
 - = Mutation type: 12131200 (current service *MutationSender*)
 - cancellationNotifications
 - = Mutation type: 12131100 (current service *MutationSender*)
 - replacementNotifications
 - = Mutation type: 12131000 (current service *MutationSender*)
- Analogous functionalities as mutationSender V2
 - Get the notification and delete it immediately on the server
 - Get the notification without delete on the server + Delete a notification on the server *[recommended]*

Business anomaly

Warning about data consistency (returned by KSZ-CBSS)

→ No handling by eHealth, raw data returned to partner

■ Two types of anomalies

- Anomaly in name

Ex: Name was too long and was cut off

- Anomaly in address

Ex: Diplomatic Post : the country code of the diplomatic address is invalid

■ List of services which can return a business anomaly:

- *PersonService, PersonInfoGroupService, PersonNotifications, CbssPersonService, SsinInformationService*

Business anomaly

- Example: PersonService

```
<n1:SearchPersonBySsinResponse xmlns:core="urn:be:fgov:health:commons:core:v2" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:n2="urn:be:fgov:health:rn:personservice:core:v1" xmlns:n1="urn:be:fgov:health:rn:personservice:protocol:v1" Id="ID1"
InResponseTo="String" IssueInstant="2001-12-17T09:30:47Z">
  <core:Status>
    <core:StatusCode Value="urn:be:fgov:health:2.0:status:Success"/>
  </core:Status>
  <n1:Result>
    <n2:Person Register="NR" RegisterInceptionDate="1957-08-13">
      <Ssin>00000000100</Ssin>
      <Name>
        <LastName>LastnameLastnameLastnameLastnameLastname</LastName>
        <GivenName Sequence="3">GivenName</GivenName>
        <InceptionDate>1957-08-13</InceptionDate>
      </Name>
      <Anomalies>
        <Anomaly>
          <Code>400531</Code>
          <Description>Name was too long and was cut off.</Description>
        </Anomaly>
      </Anomalies>
    </n2:Person>
  </n1:Result>
</n1:SearchPersonBySsinResponse>
```

Status handling - Success

- Example: PersonService

```
<?xml version="1.0" encoding="UTF-8"?>
<n1:SearchPersonBySsinResponse xmlns:core="urn:be:fgov:health:commons:core:v2" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:n2="urn:be:fgov:health:rn:personservice:core:v1" xmlns:n1="urn:be:fgov:health:rn:personservice:protocol:v1" Id="ID1"
InResponseTo="String" IssueInstant="2001-12-17T09:30:47Z" xsi:schemaLocation="urn:be:fgov:health:rn:personservice:protocol:v1 health-
rnconsult-personservice-protocol.xsd">
  <core:Status>
    <core:StatusCode Value="urn:be:fgov:health:2.0:status:Success"/>
  </core:Status>
  <n1:Result>
    <n2:Person Register="NR" RegisterInceptionDate="1957-08-13">
      <Ssin>00000000100</Ssin>
      <Name>
        <LastName>Lastname</LastName>
        <GivenName Sequence="3">GivenName</GivenName>
        <InceptionDate>1957-08-13</InceptionDate>
      </Name>
    </n2:Person>
  </n1:Result>
</n1:SearchPersonBySsinResponse>
```


Status handling - Error

Business or technical error returned by a SOAP service

- Compared to the current ConsultRN error handling
 - Error returned by KSZ-CBSS service
 - Business error is transformed (to eHealth standard) and forwarded to Partner
 - Technical error is transformed (to eHealth standard) and forwarded to Partner
 - Error returned by eHealth service
 - Business error is returned to partner
 - Technical error is returned as SOAP fault to partner

Status handling - Error

- Example: Error from KSZ-CBSS service
 - Business error PersonService

```
<?xml version="1.0" encoding="UTF-8"?>
<n1:SearchPersonBySsinResponse xmlns:core="urn:be:fgov:health:commons:core:v2" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:n2="urn:be:fgov:health:rn:personservice:core:v1" xmlns:n1="urn:be:fgov:health:rn:personservice:protocol:v1"
Id="ID1" InResponseTo="String" IssueInstant="2001-12-17T09:30:47Z">
  <core:Status>
    <core:StatusCode Value="urn:be:fgov:health:2.0:status:Requester">
      <core:StatusCode Value="urn:be:fgov:health:2.0:status:DataNotFound"/>
    </core:StatusCode>
    <core:StatusMessage>The SSIN given in request does not exist</core:StatusMessage>
  </core:Status>
</n1:SearchPersonBySsinResponse>
```

Status handling - Error

- Example: Error from KSZ-CBSS service
 - Technical error PersonService

```
<?xml version="1.0" encoding="UTF-8"?>
<n1:SearchPersonBySsinResponse xmlns:core="urn:be:fgov:health:commons:core:v2" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:n2="urn:be:fgov:health:rn:personservice:core:v1" xmlns:n1="urn:be:fgov:health:rn:personservice:protocol:v1"
Id="ID1" InResponseTo="String" IssueInstant="2001-12-17T09:30:47Z">
  <core:Status>
    <core:StatusCode Value="urn:be:fgov:health:2.0:status:Responder"/>
    <core:StatusDetail>
      <reg:detail xmlns:reg="urn:be:fgov:health:rn:registries:commons:core:v1">
        <reg:severity>FATAL</reg:severity>
        <reg:diagnostic>Internal error</reg:diagnostic>
        <reg:authorCode>http://www.ksz-bcss.fgov.be/</reg:authorCode>
      </reg:detail>
    </core:StatusDetail>
  </core:Status>
</n1:SearchPersonBySsinResponse>
```

Status handling - Error

- Example: Error from eHealth service
 - Business error PersonService

```
<?xml version="1.0" encoding="UTF-8"?>
<n1:SearchPersonBySsinResponse xmlns:core="urn:be:fgov:health:commons:core:v2" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:n2="urn:be:fgov:health:rn:personservice:core:v1" xmlns:n1="urn:be:fgov:health:rn:personservice:protocol:v1"
Id="ID1" InResponseTo="String" IssueInstant="2001-12-17T09:30:47Z">
  <core:Status>
    <core:StatusCode Value="urn:be:fgov:health:2.0:status:Requester"/>
    <core:StatusMessage>The applicationId is not linked to the organization</core:StatusMessage>
  </core:Status>
</n1:SearchPersonBySsinResponse>
```

Status handling - Error

- Example: Error from eHealth service
 - Technical error PersonService

```
<soapenv:Body xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Fault>
    <faultcode>soapenv:Server</faultcode>
    <faultstring>SOA-02001: Service is not available. Please contact service desk.</faultstring>
    <detail>
      <urn:SystemError Id="6b0d377b-c623-443f-bcba-dd11e2b1f41e" xmlns:urn="urn:be:fgov:ehealth:errors:soa:v1">
        <Origin>Server</Origin>
        <Code>SOA-02001</Code>
        <Message xml:lang="en">Service is not available. Please contact service desk.</Message>
        <urn:Environment>Test</urn:Environment>
      </urn:SystemError>
    </detail>
  </soapenv:Fault>
</soapenv:Body>
```

Important to provide to contact center the system error Id to analyse the issue

Planning & deliverables

- Target :

Service	Deliverable	Planning
PersonService InscriptionService	Documentation + migration guide	March 2020
	Deployment acceptance	9 March 2020
	Deployment production	18 October 2020
PersonInfoGroupService CbssPersonService SsinHistoryService	Documentation + migration guide	April 2020
	Deployment acceptance	2 June 2020
	Deployment production	18 October 2020
PersonNotifications	Documentation + migration guide	April 2020
	Deployment acceptance	4 August 2020
	Deployment production	18 October 2020

Questions ?
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