



Error description

PersonServices v3

Table 1 Document history

Version	When	Who	What
1.0	2010-09-26	Johan Boogaerts	Document setup
1.01	2010-09-26	Johan Boogaerts	Error codes add and update added
1.02	2011-03-30	Johan Boogaerts	RFC Scratched person short term
1.03	2011-05-03	Johan Boogaerts	Removing duplicates and adding translations
1.04	2017-02-14	Liesbet D'Hondt	Adding new errorcodes and new warningcodes
1.05	2019-03-27	Liesbet D'Hondt	Adding new code for name change
1.06	2019-05-14	Liesbet D'Hondt	Adding new code for radiation
1.07	2019-10-04	Liesbet D'Hondt	Added mapping tables for KSZ v4 error and new warningcodes Added new warningcode 5963 for migration delay issue between NR and BCSS

Objectives

This document describes the error, warning and additional codes related to the service family. Chapter 1 contains the FSB generic error behaviour and a list of service independent error and warning codes Chapter 2 contains the service dependent error and warning codes and description.

Error handling

general error handling

For error handling two types of errors are defined: runtime and business errors.

Business errors

Business errors are errors caused by incorrect or inconsistent data; business errors violate business rules. An example of a business failure is a search on an invalid national number.

Business errors are "expected" errors; the behaviour is predictable given the request. Business errors are part of the business logic; they are considered as a valid response of the service. The return of a business error is a predicted and valid response.

The consumer has to analyse the business failures and if possibly undertake additional actions to correct the request.

Runtime error

Runtime errors are errors caused by an incorrect or inconsistent state of the system. These errors are for example caused by incorrect configurations, incorrect authorisations, unavailable components of the system, incorrect messages transmitted by the consumer or even internal bugs.

Runtime errors are sometimes "expected" errors, and sometimes "unexpected" errors. Some are caused by incorrect information that the consumer sends, and can sometimes be caused by an internal server problem.

An expected run-time error may be for example the unavailability of a service provider, the reception of an erroneous message from the consumer or an incorrect authorized request from the consumer. An unexpected runtime error is for example a bug in the system or an incorrect internal configuration such as an incorrect URL.

All runtime errors generate a SOAP Fault; the response containing the soap fault is returned to the consumer. The SOAP fault has an indication whether the error was caused by the consumer or the system. If the error was caused by the consumer, the consumer may resend the message, because it produces the same error. When the error was caused by the system, the client may resend the message or at a later date (after the installation of a solution for the error).

specific error handling

The service might be a composition of services, each service addressing a specific provider. In case one of the providers is returning an error, the error may or may not have an impact on the response. The error may be returned to the consumer as an error or as a warning.

The error handling might be subject of a consumer interpretation:

In case the error causes a business rule violation, the composite service will return an error. In case the error causes an incomplete response,

the composite service returns a warning.

The statement is illustrated based on the person services are a composition of services addressing the National Registry and the registries of the CBSS.

An example of an error:

The response of retrieving a person by identification number of the National Registry indicates the person is scratched; the RAD registry of the CBSS is master of data. The CBSS service is unavailable. The service should return an error.

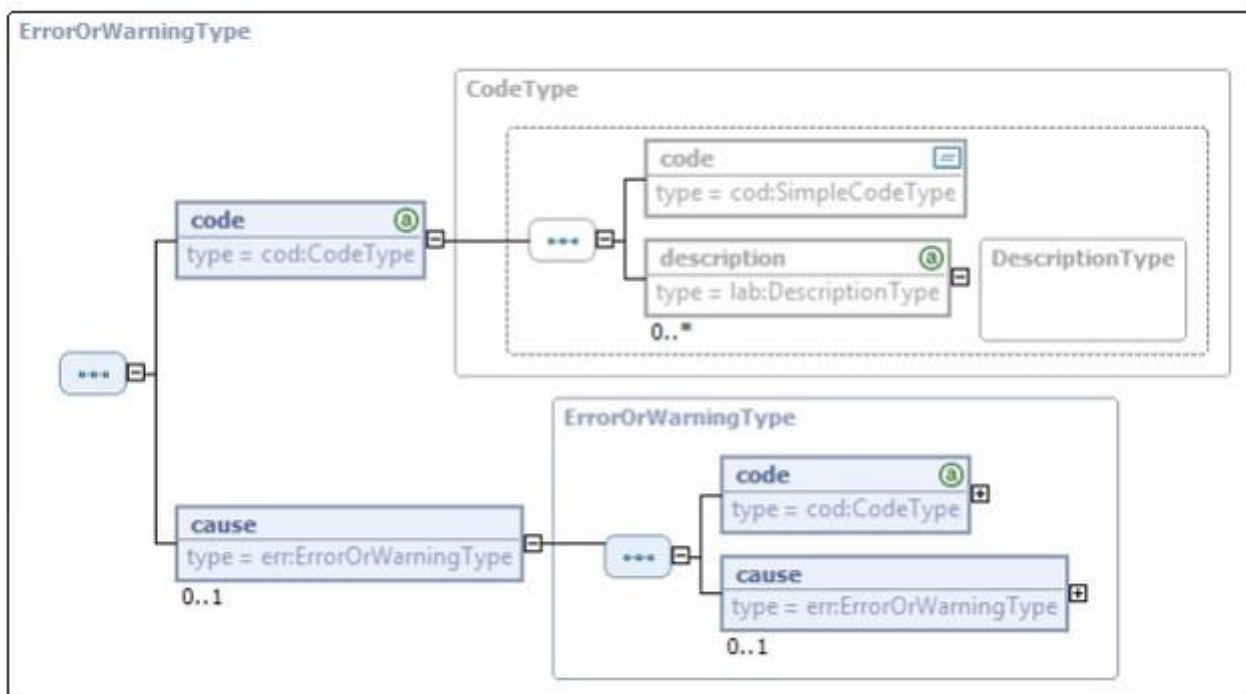
An example of a warning:

A search by name: the National Registry returns a list of persons, the CBSS service is unavailable. The incomplete list of persons is returned to the consumer including a warning the list is incomplete.

ERROR AND WARNING FORMATS

The common error and warning type

Errors and warnings are returned in the response. The "ErrorOrWarningType" includes a code and an optional reason (cause). The code contains a simple object code plus an optional language-dependent description.



The cause object is the same type as the overall error or warning object so that a stack of errors or warnings can be given. In general the upper level error or warning is generated by the FSB; the lower level codes are generated by the service provider. A cause is always an optional element. Consumers

may not assume the cause is completed with a service provider originated code or description.

Consumers are advised to interpret only the upper level errors or warnings, created by the FSB. The optional cause is only given to link the error to the service provider error for ease of interpretation. Both errors and warnings are optional; there can be multiple. Depending on the type of errors, the response may contain multiple errors (with a single cause) or a single fault with multiple causes. In general an error is returned without data (no details are returned); a warning is returned with data. The response may contain "best effort" data (in case one of the providers returned an error but a partial response can be given).

Summarized:

- In case of an error: the data is incorrect, the error is returned without data
- In case of a warning: the data is correct but might be incomplete, the data and the warning are returned

SOAP Fault

Runtime errors are returned as SOAP faults to the consumer. The general SOAP fault format is used, more details at http://www.w3.org/TR/2000/NOTE-SOAP-20000508/#_Toc478383507.

In the SOAP fault element (as illustrated in the example):

The fault code is equal to Client or Server.

The fault string contains a brief description of the error. This is limited to "client error" or "server error."

The detail of the SOAP fault consists of a detailed error message, which is equal to the error type described in the paragraph above 1.3.1.

The detail of the fault contains the actual code and language-dependent description. The client will always have to pick up this detail in order to understand the error!

Example 1 of a SOAP Fault

```
<?xml version="1.0"?>

<soap-env:Envelope xmlns:soap-env="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:e="http://fsb.belgium.be/data/common/error/v1_00"xmlns:c="http://fsb.belgium.be/data/common/code/v1_00"
xmlns:l="http://fsb.belgium.be/data/common/label/v1_00">

<soap-env:Body>

<soap-env:Fault>

<faultcode>soap-env:Server</faultcode>

<faultstring>Server Error</faultstring>
```

Example 2 of a SOAP Fault:

```
<soap-env:Envelope xmlns:soap-
env="http://schemas.xmlsoap.org/soap/
xmlns:e="http://fsb.belgium.be/data/common/error/v1_00"
xmlns:c="http://fsb.belgium.be/data/common/code/v1_00"
xmlns:l="http://fsb.belgium.be/data/common/label/v1_00">
<soap-env:Body>
<soap-env:Fault>
<faultcode>soap-env:Client</faultcode>
<faultstring>Client Error</faultstring>
<detail>
<e:error>
<e:code>
<c:code>1000</c:code>
<l:description language="nl">Schema validatie fout</l:description>
</e:code>
</e:error>
</detail>
</soap-env:Fault>
</soap-env:Body>
</soap-env:Envelope>
```

Example 1 is based on an error of the CBSS. This initial error is wrapped in a "cause" element. In

addition, the general person service code is given for this case. Both the original and the FSB have a language-dependent description.

Important! The original code is given for information only. These codes are administered by third parties and may change without notice. Fedict only can guaranty stability for FSB codes and the services Fedict provide. Consumers may use the error code and description of third party only for information purpose; these error codes may not be interpreted for business logic usage!

Example 2 is based on a schema validation error. The consumer client has sent an invalid message to the FSB. Note that the fault code element in this case is set to "client". The real reason is displayed with the code and description in the detail element.

Business error

The structure of a business error is described in paragraph 1.3.1. Example of a business error:

```
<soap-env:Envelope xmlns:soap-  
env="http://schemas.xmlsoap.org/soap/envelope/"  
xmlns:g="http://fsb.belgium.be/service/nrEntity/messages/g  
et/v1_00"  
xmlns:e="http://fsb.belgium.be/data/common/error/v1_00"  
xmlns:c="http://fsb.belgium.be/data/common/code/v1_00"  
xmlns:l="http://fsb.belgium.be/data/common/label/v1_00">  
<soap-env:Body>  
<g:getPersonResponse>  
<e:error>  
<e:code>  
<c:code>4001</c:code>  
<l:description language="nl">Runtime SOAP Fault van RR</l:description>  
</e:code>  
<e:cause>  
<e:code codesource="RN/RR">  
<c:code>140</c:code>  
<l:description language="nl">Niet bestaand  
dossier of fout in een Informatietype  
</l:description>  
</e:code>  
</e:cause>  
</e:error>  
</g:getPersonResponse>  
</soap-env:Body>  
</soap-env:Envelope>
```

The example is the result of is searching for a nonexistent national number. The National Register returns an error code 140. This is the "cause" element. The FSB returns FSB4001, i.e. a runtime error of the RR received.

Warning

The structure of a warning is described in paragraph 1.3.1. Example of a warning:

```
<soap-env:Envelope xmlns:soap-env="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:g="http://fsb.belgium.be/service/nrEntity/messages/get
/v1_00"
xmlns:b="http://fsb.belgium.be/data/business/person/v1_00"
xmlns:e="http://fsb.belgium.be/data/common/error/v1_00"
xmlns:c="http://fsb.belgium.be/data/common/code/v1_00"
xmlns:l="http://fsb.belgium.be/data/common/label/v1_00">
<soap-env:Body>
<g:getPersonResponse>
<b:basicNaturalPerson>...</b:basicNaturalPerson>
<e:warning>
<e:code>
<c:code>4031</c:code>
<l:description language="nl">Incomplete gegevens</l:description>
</e:code>
<e:cause>
<e:code codesource="BCSS/KSZ">
<c:code>30009005</c:code>
<l:description language="nl">Tijdens de verrijking van een
Belgisch verblijfsadres heeft zich een fout voorgedaan. Het
verblijfsadres wordt meegegeven zonder de verrijkte
velden</l:description>
</e:code>
</e:cause>
</e:warning>
</g:getPersonResponse>
</soap-env:Body>
</soap-env:Envelope>
```

The example is the result of a person sought and found in the CBSS, but the address is incomplete. The found data is returned with a warning. The warning has the same structure as a fault, a possible cause in the "cause" element.

error and warning codes

The chapter describes the common error and warning codes for FSB.

Common runtime codes

The table below contains the list of common runtime codes. Legend: C/S Client or Server

This column indicates the source of the error, i.e. the client or the server. In case the server is the root cause, the consumer may resend the message. In case the root cause is the client, resending the message would not affect the response.

R/B Runtime/Business

Indicates whether the error is a business error or a runtime

V/O Predictable /unpredictable

Indicates whether the error was expected or unexpected behaviour

Code	Description	Cause	C /S	V /O
4000	Runtime error of provider	An external service provider returned a SOAP fault that is no business error.	S	V
4010	incorrect provider URI	The URI used to contact a service provider is invalid. This indicates a configuration error.	S	O
4020	Provider not accessible	The service provider cannot be contacted or there is no response back.	S	V
1000	Schema validation fault	The message that the consumer has sent is incorrect and does not validate against the XML schema.	C	V
1001	Incorrect SOAP message	The message that the consumer has sent is not a SOAP message	C	V
1002	Body SOAP message missing	The SOAP message sent to the consumer has no body	C	V
2000	Enrichment Error	While editing the message the consumer has sent, an error has occurred for example adding metadata or packing in a comprehensive XML	S	O
3000	Transformation error	During the transformation of data in the FSB an error has occurred.	S	O
9000	Initialisation error	The initializing of the service, when receiving a consumer message, has failed	S	O
9100	Unexpected error pipeline	An unexpected error occurred in the FSB at the detail level processing.	S	O
9200	Unexpected service error	An unexpected error occurred.	S	O
9300	Security error	A security error occurred. The consumer has not or erroneously signed the message (unknown or expired certificate)	C	V

The table gives an overview of actions depending on the error classification:

C /S	V /O	Action plan for consumer
C	V	The consumer has sent an incorrect message. The consumer enhances the message and sends the enhanced message
S	V	The consumer may later try to send the same message, depending on short or long notice.
S	O	The service has a configuration error or a bug. Report the issue, with a copy of the request and response messages and the timestamp when the error occurred. The copy of the request and response are necessary to be able to track a bug; the bug may occur in a rare case.

Remarks:

- Currently a more formalized and standardized error framework is under construction. Hereby the fault in the WSDL definition will be used to define business mistakes. The impact on the consumer code will be limited.
- In a future version certain expected runtime errors of the service are defined as a specific fault in the WSDL. The prefix "FSB" is currently not implemented, the code is therefore only the last four digits.

Error handling codes

This section provides an overview of the error codes which are used during the service operation. Remark

- Currently the error and warning codes are authentic source specific. In a future version of the service the error codes and warnings will be redefined for the service.

The following error codes are used in case of errors in the service operation. The errors are of a specific type, which influence the behaviour of the system.

Table 1 Error types

BUS_PROV	Business	Provider	A business rule is violated.	Retry with different request
CON_PROV	Runtime	Provider	A connection to a service provider failed	Retry later
RT_PROV	Runtime	Provider	Fatal internal error	Alert
BUS_FSB	Business	FSB	A business rule is violated	Retry with different request
RT_FSB	Runtime	FSB	Fatal internal error	Alert
CONSUMER	n/a	Consumer	Error due to incorrect request from consumer	Correct error and retry

Table 2 Error codes National Registry

NR code	Type	Impact	Get	Search by name	Search by address	FSB code	Description
P01	BUS_PROV	RUNTIME	V	V	V	4016	No access for the person with this specific national number
P02	BUS_PROV	RUNTIME	V	V	V	4015	Requested transaction not allowed for client
105	BUS_PROV	RUNTIME	V			5105	Invalid format - check digit (mod97)
140	BUS_PROV	BUSINESS	O			5140	No persons found with number
210	BUS_PROV	RUNTIME		V		5210	Invalid last name
215	BUS_PROV	RUNTIME		V		5215	Invalid first name
216	BUS_PROV	RUNTIME		V		5216	Invalid middle name
220	BUS_PROV	RUNTIME		V		5220	Invalid birth date
230	BUS_PROV	RUNTIME		V		5230	Invalid tolerance
235	BUS_PROV	RUNTIME		V		5235	Invalid tolerance
240	BUS_PROV	RUNTIME		V		5240	Invalid gender code
242	BUS_PROV	RUNTIME		V		5242	Invalid NIS code
243	BUS_PROV	RUNTIME	V	V	V	5243	Invalid language code
244	BUS_PROV	RUNTIME		V		5244	Last name and language

							fields are obligatory. Other fields are optional
250	BUS_PROV	RUNTIME		O		5250	Too many persons found (>20). Please narrow your search
260	BUS_PROV	NONE		O	O	5260	Nobody found that corresponds to the given criteria
280	RT_PROV	RUNTIME	O	O	O	5280	Unknown NR error code
820	BUS_PROV	RUNTIME			V	5820	One or more of the mandatory fields is missing or incorrect
821	BUS_PROV	RUNTIME			V	5821	A numeric field contains a non-numeric character
822	BUS_PROV	RUNTIME			V	5822	House number and bus number must be different from zero
823	BUS_PROV	RUNTIME			O	5823	No such bus number at the house number indicated; or page number must be greater than zero
824	BUS_PROV	RUNTIME			O	5824	No one living at the address indicated, or page number must be different from zero
825	BUS_PROV	RUNTIME			V	5825	Language code must be nl, fr, or de
828	BUS_PROV	RUNTIME			O	5828	No person on this page
	BUS_PROV	RUNTIME	V	V	V	4014	Invalid SAML assertion
999	RT_PROV	RUNTIME	O	O	O	4001	An unknown error was received from NR
FSB1	BUS_PROV	RUNTIME	V	V	V	4013	Person is not allowed to perform searches for other people

V input validation of authentic source O related to the output of operation x

Remark:

The input messages have a common structure for the person services and are not specific for the provider. Invalid * name may occur in case a name longer than the National Registry permitted field length is transmitted, the field length is not limited in the XML input message but by the provider. Invalid gender code in principle may not occur as the code is defined as an enumeration. Receiving this error in principle cannot be forced.

Table 3 Error codes BIS registry CBSS

CBSS code	Type	Impact	G e t	S e a r c h	A d d	U p d a t e	FSB code	Description
-1	RT_PROV	RUNTIME	V	V	V	V	5918	An internal error has occurred at SSR
20000001	RT_PROV	RUNTIME	V	V	V	V	5919	At least one service has generated a warning message.
30000001	RT_PROV	RUNTIME	V	V	V	V	5920	At least one service has generated an error message.
31000001	RT_PROV	RUNTIME	V	V	V	V	5921	An internal error occurred while parsing the request header. Please check the message format.
31000002	BUS_PROV	RUNTIME	V	V	V	V	5922	A validation error occurred while parsing the request header. Please check the message format.
31000003	RT_PROV	RUNTIME	V	V	V	V	5923	The version number for the service ID is not known in this message format. Please check the version number.
31000004	BUS_PROV	RUNTIME	V	V	V	V	5924	A validation error occurred while parsing the service request. Please check the message format and the message content.
31000005	BUS_PROV	RUNTIME	V	V	V	V	5925	Invalid argument.
31000006	BUS_PROV	RUNTIME	V	V	V	V	5926	The argument is not numerical.
31000007	BUS_PROV	RUNTIME	V	V	V	V	5927	The mandatory argument is not specified or is empty.
31000008	BUS_PROV	RUNTIME	V	V	V	V	5928	The argument is outside the permitted range.
31000009	BUS_PROV	RUNTIME	V	V	V	V	5929	The argument is too long.
31000010	BUS_PROV	RUNTIME	V	V	V	V	5930	The argument is too short.
31000011	BUS_PROV	RUNTIME	V	V	V	V	5931	The value of the argument is too large.
31000012	BUS_PROV	RUNTIME	V	V	V	V	5932	The value of the argument is too small.
31000013	BUS_PROV	RUNTIME	V	V	V	V	5933	The format of the argument is incorrect.
31000014	BUS_PROV	RUNTIME	V	V	V	V	5934	The argument contains forbidden characters.
31000015	BUS_PROV	RUNTIME	V	V	V	V	5935	The combination of the specified arguments is invalid.
31000016	BUS_PROV	RUNTIME	V	V	V	V	5936	The data are not consistent with a valid period for the end date is before start date.
31000017	RT_PROV	RUNTIME	V	V	V	V	5937	The requested service does not exist.
32000001	RT_PROV	RUNTIME	V	V	V	V	5938	Access to the data is temporarily blocked.
33000001	RT_PROV	RUNTIME	V	V	V	V	5939	The requested service is currently unavailable. Please try again later.

34000001	RT_PROV	RUNTIME	V	V	V	V	5940	An unexpected internal error occurred while processing the request.
34000002	RT_PROV	RUNTIME	V	V	V	V	5941	An internal error occurred during the parsing of the request body. Please check the message format.
34000003	RT_PROV	RUNTIME	V	V	V	V	5942	The service failed unexpectedly during the execution of the request.
35000001	BUS_PROV	RUNTIME	V	V	V	V	5943	Problem with safety profile.
35000002	RT_PROV	RUNTIME	V	V	V	V	5944	Integration verification failed.
30009002	BUS_PROV	RUNTIME	O	O			5902	An error occurred getting the temporary address for this person. No temporary address is given.
30009003	BUS_PROV	RUNTIME	O	O			5903	An error occurred getting the post address abroad for this person. No post address abroad is given.
30009004	BUS_PROV	RUNTIME	O	O			5904	An error occurred getting the register inscription for this person. No register inscription is given.
30009005	BUS_PROV	RUNTIME	O	O			5905	An error occurred getting extended legal address information. The legal address may not be complete.
30009006	BUS_PROV	RUNTIME	O	O			5906	An error occurred getting the temporary address abroad for this person. No temporary address abroad is given.
31009001	BUS_PROV	RUNTIME	O	O			5907	When the birth date in the phonetic criteria is not a complete date, a birth date tolerance must be specified.
31009002	BUS_PROV	RUNTIME	O	O			5908	If a middle name is specified in the phonetic criteria, a first name must also be specified.
31009003	BUS_PROV	RUNTIME	O	O			5909	The period indicated by the birth date and the birth date tolerance is completely in the future.
31009004	BUS_PROV	RUNTIME	O	O			5910	The birth date is completely in the future.
33009001	BUS_PROV	RUNTIME	O	O			5914	The National Register returned data that could not be interpreted by the service. The result may be incomplete.

33009002	BUS_PROV	RUNTIME	O	O			5915	The CBSS Register returned data that could not be interpreted by the service. The result may be incomplete.
32012002	BUS_PROV	RUNTIME	O	O			5917	The SSIN was marked as replaced, but no valid replacing SSIN could be found.
32008012	RT_PROV	RUNTIME	O	O	O	O	5920	The verification data you supplied for modifying the persons data, is inconsistent with the data currently in the KSZ register.
999	RT_PROV	RUNTIME	O	O	O	O	5802	An unknown error was received from SSR.
22012001	BUS_PROV	BUSINESS	O			0	2001	A requested SSIN had been replaced by another

							one. Using the new SSIN instead.	
30009001	BUS_PROV	WARNING		O		9001	Errors occurred while getting the data for some of the search results. These results are not displayed.	
32008001	BUS_PROV	BUSINESS			O	8001	There was no MID supplied or none of the given MID's are valid. Please check that you indeed supplied a MID and that this MID has all obligated fields filled in. Remember that at least one valid MID is required.	
32008002	BUS_PROV	WARNING			O	8002	The person was successfully created in the KSZ register, but the automatic temporary inscription (with quality code 902) in the KSZ repertoire could not be made due to an internal error.	
32008003	BUS_PROV	BUSINESS			O	O	8003	The supplied postal code returned a list of municipalities, but none of these municipalities match the given municipality description. The municipality description must match the municipality description matching that postal code OR the description of the main municipality.
32008004	BUS_PROV	BUSINESS			O	O	8004	It is not possible to have an address in the given country
32008005	BUS_PROV	BUSINESS			O	O	8005	It is not possible to be born in the given country.
32008006	BUS_PROV	BUSINESS			O	O	8006	It is not possible to born in the given municipality
32008007	BUS_PROV	BUSINESS			O	O	8007	It is not possible to have the nationality of that country.
32008008	BUS_PROV	BUSINESS			O	O	8008	The minimal set of data for this group was not supplied.
32008009	BUS_PROV	BUSINESS			O	O	8009	The Municipality could not be found because the given postal code does not resemble an existing municipality.
32008010	BUS_PROV	BUSINESS			O		8010	The person you want to create is already known by either the KSZ register or the National register. However, the phonetic result for this person returned too many matches. Therefore no person information will be available
32008011	BUS_PROV	BUSINESS			O	O	8011	The gender code you supplied is not valid. Remember that a person can only be created in the KSZ register with a male or female gender (an unknown gender is not valid)
32008012	BUS_PROV	BUSINESS				O	8012	The verification data you supplied for modifying the persons data, is inconsistent with the data currently in the KSZ register.
32008013	BUS_PROV	BUSINESS				O	8013	The civil state code transition from code 'xx' to code '10' is not allowed. Once a person was known with a civil state code different from '10' it can never be changed back to '10'
32008014	BUS_PROV	RUNTIME				O	8014	Your sector does not have the rights to erase the

								contents of fields or groups.
32008015	BUS_PROV	BUSINESS				O	8015	The date currently contained by the KSZ register is less incomplete than the supplied date. Your sector does not have the rights to make an existing birth date less complete.
32008016	BUS_PROV	RUNTIME				O	8016	A hierarchical sector is found for the group you are trying to modify. The modification of that group has not been performed in the KSZ register, but a distribution question (for modification) has been sent to the hierarchical sector
32008017	BUS_PROV	BUSINESS			O	O	8017	The birth location information (code and description) you supplied is invalid. If you supplied a Belgian municipality, please check that the code and description correspond with an existing municipality. If you supplied a country, then please check that the code corresponds with an existing country.
32008018	BUS_PROV	BUSINESS			O	O	8018	The country cannot be specified in the context, since the date is context is after or equal the date expiration date of the country.
32008019	BUS_PROV	BUSINESS			O	O	8019	It is possible to be born in the given municipality, but the birth date of the person is after the expiration date of that municipality.
32008020	BUS_PROV	BUSINESS			O	O	8020	Country code Belgium was given as birth country, which is not allowed. When the birth country is Belgium, a municipality code (and description matching that code) should be supplied instead
32008021	BUS_PROV	BUSINESS			O	O	8021	The country does not exist
32008022	BUS_PROV	WARNING				O	8022	Your modification request was ignored. No modification has been made to KSZ register, because the provided group(s) contain the same information as currently in the KSZ register or no groups for modification were specified.
32008023	BUS_PROV	BUSINESS					8023	A match with a valid and active dossier could not be found in the KSZ repertoire. The detailed information will include the search parameters used.
32008024	BUS_PROV	BUSINESS				O	8024	The person you are trying to modify does not exist in the KSZ register

32008025	BUS_PROV	BUSINESS				O	8025	The person you are trying to modify has a birthdate which is before the KSZ date. The persons data is therefore locked and can only be modified by the KSZ-BCSS.
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32008026	BUS_PROV	RUNTIME			O	8026	The element 'IntegratedFile' supplied in the request has been ignored. For your sector and institution type a static configuration exists for this service. This configuration was used to perform the integration check instead of the supplied information.
32008027	BUS_PROV	BUSINESS			O	8027	The SSIN for which you issued a modification request is replaced. The modification cannot continue for the old SSIN.
32008028	BUS_PROV	RUNTIME				8028	There is no KSZ PersonRegister configuration for your sector/institutiontype for the ManagePerson service. This means that you should supply a dossier in the request (element: IntegratedFile).

Table 3bis Error/status codes BIS registry CBSS for KSZv4

CBSS code	Type	Impact	FSB code	Description
MSG00000			NO MAPPING	
MSG00001			NO MAPPING	
MSG00002			NO MAPPING	
MSG00003	RT_PROV	RUNTIME	5918	An internal error has occurred at SSR
MSG00004	BUS_PROV	RUNTIME	5921	An internal error occurred while parsing the request header. Please check the message format.
MSG00051	RT_PROV	RUNTIME	5956	Invalid SOAP action
MSG00052	RT_PROV	RUNTIME	5937	The requested service does not exist.
MSG00053	RT_PROV	RUNTIME	5923	The version number for the service ID is not known in this message format. Please check the version number.
MSG00005	BUS_PROV	BUSINESS	5911	No persons found for INSZ.
MSG00006	BUS_PROV	BUSINESS	2001	A requested SSIN had been replaced by another one. Using the new SSIN instead.
MSG00007	BUS_PROV	BUSINESS	5166	Cancelled file
MSG00008	BUS_PROV	RUNTIME	5924	A validation error occurred while parsing the service request. Please check the

						message format and the message content.
MSG00100		BUS_PROV		RUNTIME	5140	No persons found with number
MSG00011		BUS_PROV		RUNTIME	5925	SSIN is syntactically invalid mod97
MSG00012		BUS_PROV		RUNTIME	4015	Requested transaction not allowed for client
MSG00013		BUS_PROV		RUNTIME	4015	Requested transaction not allowed for client
MSG00014		BUS_PROV		RUNTIME	5943	Problem with safety profile
MSG00015		BUS_PROV		RUNTIME	5943	Problem with safety profile.

V input

validation error O

output error

The Impact column indicates how the service reacts; a runtime error initiates a SOAP Fault.

Warning codes

The following warning codes are used in case of warnings in the service operation.

Table 4 Warning codes National Registry

Element	Type	GetPerson	Search by name	Search by address	FSB code	Description
R	Warning		O	O	5113	The phonetic search did not return any matches.

BNP	Warning	O	O	O	5160	Discharged abroad
BNP	Warning	O			5161	The address cannot be communicated
BNP	Warning			O	5162	This is a referenced address
BNP	Warning		O		5163	This address is a declaration address
BNP	Warning	O	O		5164	Person is deceased

BNP	Warning	O	O		5165	Person is scratched
BNP	Warning	O	O		5166	Cancelled file
BNP	Warning	O	O		5167	Released from registration
BNP	Warning	O	O		5168	Person declared absent

R warning applicable for the entire response
 BNP warning applicable for a specific basic natural
 person element O related to the output of
 operation x

Table 5 Warning codes BIS registry CBSS

Element	Type	GetPerson	Search by name	Getupdate	Add	Update	FSB code	Description
R	BUSINESS	O	O	O			5913	The phonetic search did not return any matches.
BNP	WARNING	O	O	O			5916	A requested SSIN had been replaced by another one. Using the new SSIN instead.
BNP	WARNING				O		5920	The update has been refused, no changes made
R	WARNING		O				5901	Errors occurred while getting the data for some of the search results. These results are not displayed.
R	WARNING	O	O				2222	PersonBisNumber replaced by RRNNumber
REG00001	N/A						NO MAP PING	
REG00002	WARNING			O	O	O	5952	Only some datagroups could be updated (possibly some datagroups were deferred)
REG00003	WARNING						5953	No datagroups were updated, but some datagroups were deferred
REG00004	WARNING	O	O				2222	PersonBisNumber replaced by RRNNumber
REG00005	WARNING			O	O	O	5954	Additional inscription failed
REG00006	WARNING			O	O	O	5950	Registration of the BIS person cannot proceed. One or more persons with a phonetic match to the given criteria already exist.
REG00007	WARNING	O	O	O			5912	The phonetic search returned too many matches. Please refine your search criteria.

REG00008	N/A							NO MAP PING	
REG00009	N/A							NO MAP PING	
REG00010	WARN ING							5957	No authorization.
REG00011	WARN ING							5958	Error found in the person number.
REG00012	WARN ING	O	O					5164	Person is deceased
REG00013	WARN ING							5955	A Business validation error occured in CBSS
REG00014	WARN ING							5959	Replacing personnumber is invalid.
REG00015	WARN ING							5960	Replacing personnumber is not found
REG00016	WARN ING	O	O					5961	Replacing person number is replaced

REGO0017	WARN ING							5962	Replacing personnumber is cancelled
REGO0018	N/A							NO MAPPI NG	
REGO0019	N/A							NO MAPPI NG	

Remark:

The input messages have a common structure for the person services and are not specific for the provider. Invalid * name may occur in case a name longer than the National Registry permitted field length is transmitted, the field length is not limited in the XML input message but by the provider. Invalid gender code in principle may not occur as the code is defined as an enumeration. Receiving this error in principle cannot be forced.

Applicable from bugfix

The warning codes are extended with a warning code by sub type. The warning codes are set at the level of the basic natural person, not at the response level.

More details on scratched persons can be found in the service message description document of the get person and the search person by name.

Table 6 Warning codes scratched persons

FSB code	Business entity	Description	Business rule
5160	Person	The person has been removed from the register (of births, deaths and marriages) of the municipality cause of discharged abroad	discharged abroad
5164	Person	Person is deceased	
5165	Person	Person is scratched	
5166	Person	Cancelled file	
5167	Person	The person is released from registration	released from registration
5168	Person	The person has been removed from the register (of births, deaths and marriages) of the municipality cause of declared absent	declared absent
5169	Person	The person has been removed from the register (of births, deaths and marriages) of the municipality cause of deleted in official capacity	deleted in official capacity
5170	Person	The person has been removed from the register (of births, deaths and marriages) of the municipality cause of loss right of residence	loss right of residence
5171	Person	The person has been removed from the register (of births, deaths and marriages) of the municipality cause of loss right of subscription	loss right of subscription
5172	Person	The person has been removed from the register (of births, deaths and marriages) of the municipality cause of moved to a foreign country but without being subscribed a diplomatic post	moved to a foreign country but without being subscribed a diplomatic post
5173	Person	The person is scratched; based on the search criteria. No matching person in the RAD registry found.	Based on the search criteria no matching person in the RAD registry found
5174		The RAD registry returns a person with a national person number, the person is supposed to be scratched. Based on the search criteria no matching person in the national registry was found	Based on the search criteria no matching person in the national registry was found
5175	Person	The person has been removed from the register (of births, deaths and marriages) of the municipality cause subscribed to a foreign country	Subscribed to a foreign country
5176	Person	The person has been removed from the register (of births, deaths and marriages) of the municipality cause end of functions	End of function

Remarks:

- Some warnings have a strikethrough and will be suppressed in the future The warning 'person is deceased' will be removed; it is defined via the state.
- The warning 'cancelled file' should be suppressed; it reflects a state at the NR which is redundant.

Two business cases might occur executing a getPerson:

- The file is cancelled due to replacing the person number. The getPerson response is complete with the new person number in the reference number element.
- The file is cancelled. This has to be interpreted as if the person never exists. This case should be identical treated as person notfound.
- The warning 'scratched person' will be suppressed and replaced. New warnings have the code marked in bold.

Table 7 New warning codes in getPerson v3.0 with business information

FSB code	Business entity	Description	
5111	Person	Person has a prolonged minority	
5123	Person	Person has a legal cohabitation	
5177	Person	Person has a changed name	

Appendix

Error and WARNING code translations

The table below only contains the error and warning descriptions in English, French and Dutch.

Code	English	Dutch	French
4016	No access for the person with this specific national number	Geen toegang voor de persoon met dit rijksregisternummer	Ce numéro national n'est pas autorisé
4015	Requested transaction not allowed for client	Gevraagde transactie niet toegestaan voor cliënt	Transaction non autorisée pour le client
5140	No persons found with number	Geen personen gevonden voor dit nummer	Aucune personne physique trouvée pour ce numéro
5105	Invalid format - check digit (mod97)	Invalid format - check digit (mod97)	Invalid format - check digit (mod97)
5210	Invalid last name	Ongeldige achternaam	Nom de famille incorrect
5215	Invalid first name	Ongeldige voornaam	Prénom non valide
5216	Invalid middle name	Ongeldige tweede naam	Middle Name non valide
5220	Invalid birth date	Ongeldige geboortedatum	Date de naissance incorrecte
5230	Invalid tolerance	Ongeldige tolerantie	Tolérance incorrecte
5235	Invalid tolerance	Ongeldige tolerantie	Tolérance incorrecte
5240	Invalid gender code	Ongeldige geslachtscode	Code sexe incorrecte
5242	Invalid NIS code	Ongeldige NIS code	Code NIS incorrecte
5243	Invalid language code	Ongeldige taal code	Code de langue incorrecte
5244	Last name and language fields are obligatory. Other fields are optional	De velden voor achternaam en taal zijn verplicht. De andere velden zijn optioneel	Les champs pour le nom et la langue sont obligatoires. D'autres champs sont optionnels

5250	Too many persons found (>20). Please narrow your search	Teveel personen gevonden (>20). Gelieve de zoekcriteria te verfijnen	La recherche a renvoyé trop de résultats. Veuillez affiner vos critères
5260	Nobody found that corresponds to the given criteria	Niemand beantwoordt aan de gestelde criteria.	Personne trouvée qui correspond avec voscritères
5280	Unknown NR error code	Onbekend NR error code	RN code d'erreur inconnu
5820	One or more of the mandatory fields is missing or incorrect	Een of meer van de verplichte velden ontbreken of zijn onjuist	Un ou plusieurs des champs obligatoires manquent ou sont incorrects
5821	A numeric field contains a non-numeric character	Een numeriek veld bevat niet-numerieke tekens	Un champ numérique contient des caractères non numériques
5822	House number and bus number must be different from zero	Foutieve postcode	Code postal incorrect
5823	No such bus number at the house number indicated; or page number must be greater than zero	Geen bus op het aangegeven huisnummer, of pagina nummer moet groter dan nul	Aucun numéro de boîte à l'adresse indiquée, ou le numéro de page doit être supérieur à zéro
5824	No one living at the address indicated, or page number must be different from zero	Niemand wonende op het vermelde adres, of het aantal pagina moet verschillend van nul	Personne n'habite à l'adresse indiquée, ou le numéro de page demandée doit être différent de zéro
5825	Language code must be nl, fr, or de		
		Taal code moet een van volgende codes zijn: nl, fr or de	Seuls les codes langues suivants sont autorisés: nl, fr, ou de
5826	Wrong selection code: must be either 0 or 1	Verkeerde selectie code: moet 0 of 1 zijn	Code incorrect : doit être 0 ou 1
5828	No person on this page	Geen personen op deze pagina	Aucune personne sur cette page
4014	Invalid SAML assertion	Ongeldige SAML assertie	SAML assertion incorrecte
4001	An unknown error was received from NR	Er is een onbekende fout opgetreden bij het RR	Une erreur interne est survenue de RN
4013	Person is not allowed to perform searches for other people	Persoon is niet gemachtigd om andere personen op te zoeken	La personne n'est pas autorisée de chercher d'autres personnes
5111	Person has a prolonged minority	Persoon is verlengd minderjarig	Personne sous statut de minorité prolongée

5113	The phonetic search did not return any matches.	De fonetische opzoeking heeft geen resultaten teruggegeven.	La recherche phonétique est retournée aucun résultat
5123	Person has a legal cohabitation	Persoon is wettelijk samenwonend	La personne a un cohabitant légal
5160	Discharged abroad	Afgevoerd naar het buitenland	Rayé pour l'étranger
5161	The address cannot be communicated	Het adres mag niet gecommuniceerd worden	L'adresse ne veut pas être communiquée
5162	This is a referenced address	Dit is een referentie-adres	Il s'agit d'une adresse de référence
5163	This address is a declaration address	Het adres is een verklaring adres	Il s'agit d'une adresse d'une déclaration
5164	Person is deceased	Persoon is overleden	Personne est décédée
5165	Person is scratched	Ambtshalve schrapping	Radié d'office
5166	Cancelled file	Geannuleerd dossier	Dossier annulé
5167	Exempt from registration	Vrijgesteld van inschrijving	Dispensé d'inscription
5168	Person declared absent	Persoon afwezig verklaard	Personne déclarée absente
5175	The person has been removed from the register (of births, deaths and marriages) of the municipality cause subscribed to a foreign country	Afvoering van ambtswege in het buitenland	Radiation - radié d'office
5177	Person has a changed name	Persoon heeft een gewijzigde naam.	La personne a changé de nom
5911	No persons found for INSZ	Geen persoon gevonden voor dit INSZ nummer	Aucune personne trouvée pour NISS
5918	An internal error has occurred at SSR	Er is een interne fout opgetreden in de dienst.	Une erreur interne est survenue
5919	At least one service has generated a warning message.	Minstens één service request heeft een waarschuwing gegenereerd.	Au moins un service a généré un avertissement
5920	At least one service has generated an error message.	Minstens één service request heeft een fout gegenereerd.	Au moins un service a généré une erreur
5921	An internal error occurred while parsing the request header. Please check the message format.	Er is een interne fout opgetreden bij de parsing van de request header. Controleer uw berichtformaat.	Une erreur interne s'est produite lors du parsing du header de la requête. Veuillez contrôler le format de votre message.

5922	A validation error occurred while parsing the request header. Please check the messageformat.	Er is een validatiefout opgetreden tijdens de parsing van de request header. Controleer het formaat en de inhoud van uw bericht.	Une erreur de validation s'est produite lors du parsing du header de la requête. Veuillez contrôler le format et le contenu de votre message.
5923	The version number for the service ID is not known in this message format. Please checkthe version number.	Het versienummer is onbekend voor de opgegeven service ID in dit berichtformaat. Controleer uw versienummer.	Le numéro de version est inconnu pour le serviceID fourni dans ce format de message. Veuillez contrôler votre numéro de version.
5924	A validation error occurred while parsing the service request. Please check the message format and the message content.	Er is een validatiefout opgetreden tijdens de parsing van deze service request. Controleerhet formaat en de inhoud van uw bericht.	Une erreur de validation s'est produite lors du parsing de cette requête de service. Veuillez contrôler le format et le contenu de votre message.
5925	Invalid argument.	Ongeldig argument.	L'argument n'est pas valide.
5925	SSIN is syntactically invalid mod97	SSIN is syntactically invalid mod97	SSIN is syntactically invalid mod97
5926	The argument is not numerical.	Het argument is niet numeriek.	L'argument n'est pas numérique.
5927	The mandatory argument is not specified or is empty.	Het verwachte verplichte argument is niet opgegeven of is leeg.	L'argument obligatoire attendu n'est pas fourni ouest vide.
5928	The argument is outside the permitted range.	Het argument is buiten het toegestane interval.	L'argument est en dehors de l'intervalle autorisé.
5929	The argument is too long.	Het argument is te lang.	L'argument est trop long.

5930	The argument is too short.	Het argument is te kort	L'argument est trop court.
5931	The value of the argument is too large.	De waarde van het argument is te groot	La valeur de l'argument est trop grande.
5932	The value of the argument is too small.	De waarde van het argument is te klein	La valeur de l'argument est trop petite.
5933	The argument is mal formatted	Het argument is in het verkeerde formaat	L'argument n'a pas le format requis.
5934	The argument contains forbidden characters.	Het argument bevat verboden karakters	L'argument contient des caractères défendus.
5935	The combination of the specified arguments is invalid.	De combinatie van de opgegeven argumenten is ongeldig	La combinaison des arguments fournis n'est pas valide.
5936	The data are not consistent with a valid period for the end date is before start date.	De data stemmen niet overeen met een geldige periode want de einddatum ligt vóór de begindatum.	Les dates ne correspondent pas à une période valide car la date de fin est antérieure à la date de début.
5937	The requested service does not exist.	De gevraagde dienst bestaat niet.	Le service demandé n'existe pas.
5938	Access to the data is temporarily blocked.	De toegang tot de gegevens is tijdelijk geblokkeerd.	L'accès aux données est temporairement bloqué.
5939	The requested service is currently unavailable. Please try again later.	De gevraagde dienst is momenteel niet beschikbaar. Probeer later nog eens.	Le service demandé n'est actuellement pas disponible. Veuillez réessayer plus tard.
5940	An unexpected internal error occurred while processing the request.	Er is een onverwachte interne fout opgetreden tijdens de verwerking van de vraag.	Une erreur interne inattendue s'est produite lors du traitement de la demande.
5941	An internal error occurred during the parsing of the request body. Please check the message format.	Er is een interne fout opgetreden tijdens de parsing van de request body. Controleer uw berichtformaat.	Une erreur interne s'est produite au cours du parsing du body de la requête. Veuillez contrôler le format de votre message.
5942	The service failed unexpectedly during the execution of the request.	De dienst is onverwachts mislukt tijdens de uitvoering van de vraag.	Le service a échoué de façon inattendue au cours de l'exécution de la

			requête.
5943	Problem with safety profile.	Probleem met veiligheidsprofiel.	Problème au niveau du profil de sécurité.
5944	Integration verification failed.	Integratiecontrole mislukt.	Contrôle d'intégration échoué.
5802	An unknown error was received from SSR	Er is een onbekende fout opgetreden bij het KSZ	Une erreur interne est survenue de BCSS
5912	Too many results found for the given criteria	Te veel resultaten gevonden voor de opgegeven criteria	Trop de résultats trouvés pour les critères donnés.

New codes or descriptions for BCSS v4 backend

3333	Registration of the BIS person cannot proceed. One or more persons with a phonetic match to the given criteria already exist.	De registratie van de BIS persoon kan niet doorgaan. Eén of meerdere personen met een fonetische match op de gegeven criteria bestaan.	Il n'est pas possible d'enregistrer cette personne dans le registre BIS: il existe au moins une personne avec une "phonetic match" correspondant aux critères donnés.
5952	Only some datagroups could be updated (possibly some datagroups were deferred)	Slechts enkele gegevens konden worden gewijzigd, voor sommige andere is de aanvraag in behandeling	Seuls certains groupes de donnée, les autres (éventuellement plusieurs) seront traités plus tard
5953	No datagroups were updated, but some datagroups were deferred	Geen enkele van de gegevensgroepen werd gewijzigd, maar voor sommige is de aanvraag in behandeling	Aucun des groupes de donnée n'a été mis à jour, mais certains seront traités plus tard
5954	Additional inscription failed	Bijkomende inschrijving mislukt	Inscription supplémentaire échoué
5955	A Business validation error occurred in CBSS	Er is een business validatie fout opgetreden bij de KSZ. De inhoud van de request is naar alle waarschijnlijkheid niet correct.	Il y a un business validation erreur chez BCSS. Probablement le contenu du requête n'est pas correcte.
5956	Invalid soap action	Ongeldige SOAP actie	SOAP action invalide
5957	No authorization.	Geen autorisatie.	Aucune autorisation.
5958	Error found in the personnumber	Er werd een fout gevonden in het opgegeven persoonsnummer.	Une anomalie a été détectée dans le numéro de personne indiqué
5959	Replacing personnumber is	Vervangend persoonsnummer	Le format du numéro de

Fout! Gebruik het tabblad Start om Heading 1 toe te passen op de tekst die u hier wilt weergeven.

	invalid.	heeft ongeldigformaat	personne remplaçant est invalide
5960	Replacing personnumber is not found	Vervangend persoonsnummer niet gekend	Le numéro de personne remplaçant est inconnu
5961	Replacing personnumber is replaced	Vervangend persoonsnummer is vervangen	Le numéro de personne remplaçant est remplacé
5962	Replacing personnumber is canceled	Vervangend persoonsnummer is geannuleerd	Le numéro de personne remplaçant est annulé
5963	Person details not available today due to migration reasons. Please try again tomorrow.	Persoonsgegevens niet beschikbaar vandaag omwille van migratieredenen. Gelieve morgen opnieuw te proberen.	Les données personnelles ne sont pas disponibles aujourd'hui pour des raisons de migration. Veuillez réessayer demain.