

## **RIZIV – INAMI**

### **US74058 - Provide Contract Information (UC02)**

**Sociaal Statuut InfoSS – P418**

**Version: 4.0**

### Document Purpose

This document details the Functional Requirements that need to be implemented by the ICT project.

### Document Parameters

Document version	4.0
Creation Date	08-03-2019
Updated	13-02-2020
Author	Michèle D'Haene

### Document Acceptance

Name	Signature	Title	Date	Version
Greet Laga				

### Document Distribution

Name	Signature	Date	Version
Greet Laga			
Insurers and pension funds			

## Contents

<b>1</b>	<b>GUIDELINES.....</b>	<b>5</b>
<b>2</b>	<b>NAMING CONVENTIONS AND DEFINITIONS .....</b>	<b>5</b>
<b>3</b>	<b>ROLES .....</b>	<b>6</b>
<b>4</b>	<b>FLOW .....</b>	<b>7</b>
4.1	Technical Requirements.....	7
4.2	Contract Information.....	7
4.3	Different Sub Use Cases.....	8
4.3.1	User wants to add new contract information (update).....	8
4.3.2	User wants to update existing contract information (update) .....	8
4.3.3	User wants to end affiliation to an existing contract (update) .....	8
4.3.4	User wants to advance, postpone or remove the end date of an existing contract (update) .....	8
4.3.5	User wants to (un)suspend an existing contract (update) .....	9
4.3.6	User wants to delete an existing contract (delete) .....	9
4.4	Feedback Files.....	9
4.5	Timing and Frequency.....	10
4.6	Initial Load.....	10
4.6.1	No valid contracts for a HCW .....	10
4.6.2	One valid contract for a HCW .....	10
4.6.3	More than one valid contract for a HCW.....	11
4.7	Load of a New Contract outside the Initial Load .....	11
4.8	Selection of the Used Contract by HCW or Mandate Holder.....	11
4.9	Decease of a HCW .....	12
4.10	Retirement of a HCW .....	12
4.11	Suspended/terminated .....	12
4.12	Message .....	12
<b>5</b>	<b>USE CASES DETAILED DESCRIPTION.....</b>	<b>13</b>
5.1	Main Scenario – Happy Path.....	14
5.2	Alternative Scenario: Technical Errors with the Input File.....	14
5.3	Alternative Scenario: Functional Errors in the Input File .....	15
5.4	Data Model.....	16
5.5	Validation Rules .....	19

5.6	Coding Schemes.....	28
5.6.1	Affiliation suspension.....	28
5.6.2	Operation .....	28
5.7	Error Messages and Warnings .....	29
<b>6</b>	<b>ANNEXE: XSD SCHEMES .....</b>	<b>31</b>
<b>7</b>	<b>EXAMPLES.....</b>	<b>31</b>
7.1	Starting point.....	31
7.2	Contract change before UsedContractDate: suspension .....	31
7.3	Contract change after UsedContractDate: suspension .....	31
7.4	Contract change before UsedContractDate: AfiliationEndDate < 01/01/2019	32
7.5	Contract change before UsedContractDate: AfiliationEndDate>= 01/01/2019	32
7.6	Contract change after UsedContractDate: AfiliationEndDate < 01/01/2019 ..	32
7.7	Contract change after UsedContractDate: AfiliationEndDate>= 01/01/2019 .	32
7.8	Contract change before UsedContractDate: contract is deleted .....	33
7.9	Contract change after UsedContractDate: contract is deleted .....	33
7.10	Contract change after UsedContractDate, payment has already been made: contract is deleted.....	33

## 1 Guidelines

This use case allows insurers and pension funds to send their contract information of health care workers (HCW) to NIHDI (RIZIV – INAMI). Possible actions are creation (C) of a new contract or update of an existing contract (U) and deletion of an existing contract (D). Reading the contract information (R) is done via UC15 – Request Contract Information.

## 2 Naming Conventions and Definitions

Term NL	Term FR	Definition
Contract	Contrat	Signed contract between HCW and a pension fund or insurer having an account number on which the NIHDI premium could be transferred
Datum gebruikt contract	Date contrat utilisé	UsedContractDate starts on 01/05 of the premium year +1.
Gebruikt contract	Contrat utilisé	Used contract: contract on which the NIHDI premium will be transferred if nothing would change before the payment day
Geldig contract	Contrat valide	Valid contract: a contract which could be used for payment if linked to a premium request:  A contract is valid if the contract: <ul style="list-style-type: none"> <li>- Is not deleted</li> <li>- Is active at least 1 day (the contrat must have a start date before 31/12 of the current year - 1)</li> <li>- Can be closed</li> <li>- Can be suspended</li> </ul>
Premie campagne	Campagne de primes	A campaign is mainly defined by a combination of a compensation type and a year (e.g. “Sociaal Statuut Artsen 2018”).

Premiejaar	Année de prime	Premium year (e.g. “2018”)
Premietype	Type de prime	Type related to the profession code (e.g. “Sociaal Statuut Artsen”)
RIZIV	INAMI	NIHDI
Sociaal statuut	Statut social	NIHDI Premium given to HCW for pension or invalidity if the HCW satisfies certain conditions (such as convention, activity level, ...)
Vereffening	Liquidation	Contract liquidation or closure: the contract is closed and the money is transferred to the beneficiaries
Zorgverlener	Dispensateur de soins	Health care worker (HCW) having a NIHDI code of 8 characters

### 3 Roles

User role	User roles description	User role type	List of users belonging to this role
Insurer or Pension Fund	Drops an input file on the SFTP server Reads the feedback files from the SFTP server		Company CBE number + Certificate
NIHDI System	Will validate the input files and send feedback files to the SFTP server Will treat the input files asynchronously and send feedback files to the SFTP server		
Smals System	Will contain the input files and feedback files on the SFTP server		

## 4 Flow

---

### 4.1 Technical Requirements

---

The technical details are provided in a separate document – Technical Requirements.

The input files need to be put in xml format on the Smals SFTP server by the insurer or pension fund, where they will be picked up by NIHDI. The feedback files will be put on the Smals SFTP server by NIHDI, where they will be picked up by the insurer or pension fund as soon as possible.

### 4.2 Contract Information

---

The insurers or pension funds should send their contract information (input file) as soon as it is available. A valid contract means that:

- the company and HCW have concluded a signed agreement for a pension or invalidity insurance or to join a pension fund
- the contract can still be used for premium payments
- the HCW has been explicitly informed by the insurer or the pension fund of the transfer of his contract information to NIHDI and to access this information at NIHDI in order for the HCW to obtain the “social statuut – statut social” premium
- the insurer or pension fund complies with the GDPR regulation

NIHDI will not verify these conditions for every contract, it is the sole responsibility of the insurer or pension fund. If a contract is sent to NIHDI, NIHDI assumes all of the above rules are respected.

The contracts for which the HCW has deceased between January 1<sup>st</sup> 2020 and the date of the initial load have also to be declared.

The granular level of a contract is defined by the CBE number of the company, the NIHDI number of the HCW and the contract number (all combined they form the primary key). This information should be unique. Once a contract is created, it is only possible to update or delete it.

### **4.3 Different Sub Use Cases**

---

There are two types of contract information that can be sent: creation of a new contract or update of an existing contract (U) and deletion of an existing contract (D).

#### **4.3.1 User wants to add new contract information (update)**

The insurer or pension fund communicates a new contract with all necessary information. The primary key is different from already existing contracts at NIHDI.

If the primary key already exists the contract will be considered as an existing contract.

#### **4.3.2 User wants to update existing contract information (update)**

The insurer or pension fund communicates an update to existing contract information. The primary key is equal to an already existing contract at NIHDI.

If the primary key doesn't exist the contract will be considered as a new contract.

#### **4.3.3 User wants to end affiliation to an existing contract (update)**

The end of affiliation or the closure of a contract is considered as an update of the contract with a (new) provided affiliation end date. The primary key is equal to an already existing contract at NIHDI.

If the contract is ended, it is still visible for the HCW and can be selected as used contract if the contract is valid at least one day during the premium year. NIHDI will do a payment on an ended contract.

#### **4.3.4 User wants to advance, postpone or remove the end date of an existing contract (update)**

Advancing, postponing or removing the affiliation end date is considered as an update with a new provided or empty affiliation end date. The primary key is equal to an already existing contract at NIHDI.



If the contract has an end date, it is still visible for the HCW and can be selected as used contract if the contract is valid at least one day during the premium year. NIHDI will do a payment on an ended contract.

#### **4.3.5 User wants to (un)suspend an existing contract (update)**

The user wants to (un)suspend a contract (e.g. because medical check is needed, legislation has changed ...). (Un)suspending a contract is considered as an update of an existing contract. The primary key is equal to an already existing contract at NIHDI.

If the contract is suspended, it is visible for the HCW but can not be selected as used contract. If the contract was already linked to a premium request on UseContractDate, the contract will be considered as a valid contract during the premium year. NIHDI will do a payment on a suspended contract.

#### **4.3.6 User wants to delete an existing contract (delete)**

The user wants to completely remove a contract from the HCW contract overview. This should only be done in case of errors and while no premium has yet been paid for the HCW on this contract. The primary key is equal to an already existing contract.

Delete of contract is only possible before UsedContractDate. The contract is no longer visible for the HCW and can't be selected anymore as used contract.

### **4.4 Feedback Files**

---

The input files will be validated to give the insurer or pension fund feedback on wrong file formats. The validation process runs asynchronously. The feedback will be available in a separate file on the SFTP server.

Firstly, a number of sanity tests are performed (e.g. check on empty file). If the file could be read, the feedback will show on record level whether the specific contract was successfully treated or not, using the error codes described further in the document.

#### **4.5 Timing and Frequency**

---

It is possible to send input files throughout the entire year. Whilst a company deletes, suspends or ends a used contract before May 1<sup>st</sup> of the year following the premium year, they should inform the HCW that due to this operation the right to receive the premium for that premium year might be void.

There is no limit on delivering files. Files can be sent in batch or on a one by one contract base.

It is possible to provide several input files a day. The input files will be treated asynchronously, which is why a sequence number is to be provided (cfr the xsd in annexe). This is mainly important in the case that update or delete operations are transmitted on contracts that have been already sent earlier that day.

#### **4.6 Initial Load**

---

The initial load will take place as described on the website. This leaves the HCW the time to verify his contracts and make a choice between them if applicable.

All contracts for which the HCW has been explicitly informed by the insurer or the pension fund of the transfer of his contract information to NIHDI and to access this information at NIHDI should be provided in the initial load (see section 4.2).

##### **4.6.1 No valid contracts for a HCW**

No used contract.

##### **4.6.2 One valid contract for a HCW**

The present contract will be the used contract.

#### **4.6.3 More than one valid contract for a HCW**

If there is more than one valid contract for a HCW, NIHDI will use the contract that was used last year for the payment of the “Sociaal Statuut – Statut Social”, if this contract is still a valid contract for the new premium year.

If no payment was done last year or if the contract of previous premium year is not valid anymore, the HCW will have to choose a valid used contract himself or herself.

#### **4.7 Load of a New Contract outside the Initial Load**

---

Before UsedContractDate premium year+1: The new provided contract will automatically become the used contract for the HCW if there is an overlap (between affiliation start date and affiliation end date) with the premium year, i.e. it is a valid contract. If there is no overlap with the premium year, the contract is added as a not used contract.

As from UsedContractDate premium year+1 till payment for the premium year: The new provided contract will not become the used contract for the HCW for the current premium year if the contract is a valid contract. It will be the used contract for the next premium year, given that nothing changes, if it's still a valid contract.

In the event that more than one new provided contracts are loaded during the same period, the HCW will have to make the choice himself, as no used contract will be selected automatically.

#### **4.8 Selection of the Used Contract by HCW or Mandate Holder**

---

The HCW or mandate holder has to declare each year that he/she wants to receive the premium. To do so, he/she must have a used contract before the end of the declaration period. To help the HCW, the system will select and update the used contract if there is no ambiguity between January 1<sup>st</sup> and May 1<sup>st</sup> of the premiumyear + 1. This used contract can be managed by the HCW or mandate holder in MyPortal until the end of the declaration period. A contract can only be the used one if:

- there is an overlap with the premium year (between affiliation start date and end date)

#### **4.9 Decease of a HCW**

---

NIHDI will receive the date of decease of the CBSS. For the year of decease the HCW will receive the maximal premium amount according to his convention status. For the premium year (year of decease – 1), the normal calculation and timeline will be applied.

If the HCW dies before the payment of the premium for the premium year, both premiums will be paid at the same time. If the HCW dies after the payment of the premium for the premium year, the premium for the current year will be paid ASAP.

#### **4.10 Retirement of a HCW**

---

NIHDI will receive the date of retirement of the CBSS. The premium for the premium year in which he retires and the subsequent premium years needs to be transferred directly onto the account of the HCW.

#### **4.11 Suspended/terminated**

---

While a contract is suspended or terminated, the HCW will not be able to select it as the used contract even if the contract is a valid contract. Reasons for suspension might be: a change in regulation, the need for a medical examination ....

#### **4.12 Message**

---

If both free message and structured message fields are provided, the free message will be ignored.

## 5 Use Cases Detailed Description

<b>Use case description</b>	Provide Contract Information
<b>Use case name</b>	UC02 – Provide Contract Information
<b>Use case identifier</b>	
<b>Actors</b> <b>Main actors (primary actors), directly concerned by the use case</b> <b>Secondary actors, indirectly concerned by the use case</b>	Insurer or pension fund Smals system NIHDI system
<b>Crossed references</b>	None
<b>Pre-conditions</b>	The SFTP server is available and the certificate to access it is working.
<b>Post-conditions</b>	Success Guarantees: Contract Information is successfully created, updated or deleted. Else the input file failed to be treated or errors occurred for certain contracts.

## 5.1 Main Scenario – Happy Path

Actor	System
1. The user puts the file with contract information at the specified SFTP location. It can contain update (new or existing records) or delete records.	
	<p>2. The system validates the file against rule <b>FR_CI_01</b>.</p> <p>The file complies with the above rule.</p> <p>The system marks the file as ready for upload in the database.</p> <p>The system validates the records against rules <b>FR_CI_02</b> to <b>FR_CI_11</b> and <b>FR_CI_16</b>.</p> <p>For an update statement of a contract the record is validated against rule <b>FR_CI_13</b>.</p> <p>For a delete statement of an existing contract the record is validated against rule <b>FR_CI_14</b>.</p> <p>When an existing contract is suspended, deleted, ended or the start date is postponed, the record is validated against rule <b>FR_CI_15</b>.</p> <p>The file complies with all rules.</p> <p>The system uploads the file (asynchronously).</p> <p>The system gives the user feedback that the file was received and has been successfully checked.</p> <p>Warnings WA05, WA06 and WA11 are displayed if applicable.</p>
3. The user checks the feedback.	

## 5.2 Alternative Scenario: Technical Errors with the Input File

Previous step: 1

Actor	System
	<p>2. The system validates the file against rule <b>FR_CI_01</b>.</p> <p>The file does <b>not</b> comply with this rule.</p> <p>The system does not upload the file.</p> <p>The system gives the user feedback about the errors that were found EM01.</p>
3. The user checks the feedback.	

### 5.3 Alternative Scenario: Functional Errors in the Input File

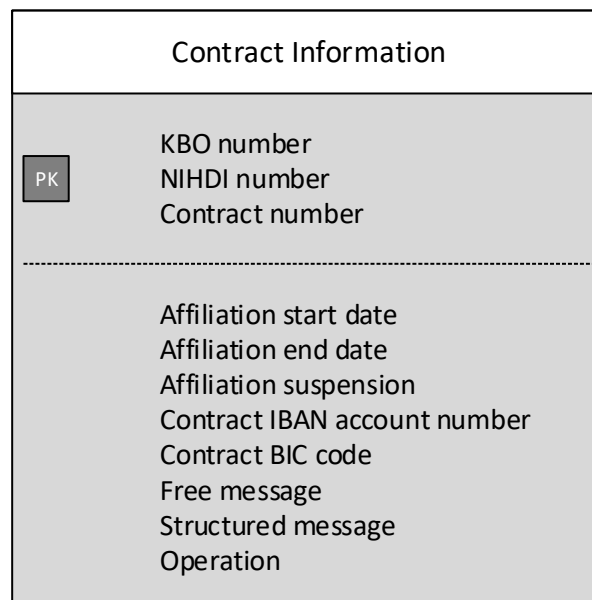
Previous step: 1

Actor	System
	<p>2. The system validates the file against rule <b>FR_CI_01</b>.</p> <p>The file complies with the above rule.</p> <p>The system marks the file as ready for upload in the database.</p> <p>The system validates the records against rules <b>FR_CI_02</b> to <b>FR_CI_11</b>.</p> <p>For an update statement of a contract the record is validated against rule <b>FR_CI_13</b>.</p> <p>For a delete statement of an existing contract the record is validated against rule <b>FR_CI_14</b>.</p> <p>When a contract is suspended, deleted, ended or the start date is postponed, the record is validated against rule <b>FR_CI_15</b>.</p> <p>The file does <b>not</b> comply with one of these rules.</p> <p>The system uploads the file (asynchronously).</p> <p>The system returns a feedback with the error codes EM02-EM14 where applicable. Warnings</p>

	WA05, WA06, WA07 and WA11 are shown where applicable.
3. The user checks the feedback.	

#### 5.4 Data Model

The granular level of a contract is defined by the CBE number of the company, the NIHDI number of the HCW and the contract number (all combined they form the primary key). This information should be unique.



Functional Name	Description
CBE number	The CBE number of the insurer or pension fund It is mandatory that it matches with the certificate used to send the file to the SFTP server.
NIHDI number	The NIHDI number (RIZIV-INAMI) of the HCW
Contract number	The contract number (can be a group policy)
Affiliation start date	The date from which the contract is valid for the HCW
Affiliation end date	The date up to which the contract is valid for the HCW



Affiliation suspension	Indicator that states whether the contract is suspended
Contract IBAN number	The IBAN number of the contract that will be used for payment of the premium
Contract BIC number	The BIC number of the contract that will be used for payment of the premium
Free message	The free message that will be used for payment of the premium
Structured message	The structured message that will be used for payment of the premium
Operations	Type of operation (Update or Delete)

Name	Type	Length	Example	Format	U	D
CBE number (in header)	string	10	0123459872	CBE number	Mandatory	Mandatory
NIHDI number	string	8	12345678	NIHDI	Mandatory	Mandatory
Contract number	string	40	ABCDEFGHIJKLMNOPQRSTUVWXYZ	N/A	Mandatory	Mandatory
Affiliation start date	date	10	2019-01-01	yyyy-mm-dd	Mandatory	Ignored
Affiliation end date	date	10	2019-01-01	yyyy-mm-dd	Optional	Ignored
Affiliation suspension	string	12	false	coding scheme	Mandatory	Ignored
Contract IBAN account number	string	34	BE68539007547034	IBAN format	Mandatory	Ignored
Contract BIC code	string	11	BPOTBEB1	BIC format	Mandatory	Ignored
Free message	string	100	CONTRACT 001/00000777/001	N/A	Optional	Ignored
Structured message	string	12	000000000000	modulo 97	Optional	Ignored
Operation (CUD)	string	6	Update	coding scheme	Update	Delete

## 5.5 Validation Rules

This section contains the rules applied during the use case execution

Rule ID	Name	Description
FR_CI_01	CI_Prevalidation	<p>Rule describing the prevalidation checks.</p> <p>The file should be received entirely and be readable.</p> <p>If not, the system will give the error EM01 for the file and do no further treatment for the file.</p>
FR_CI_02	CI_Company CBE Number	<p>Rule describing the checks on the company CBE number:</p> <ul style="list-style-type: none"> <li>- The company CBE number is checked against the certificate used to deliver the file at the SFTP location.</li> <li>- The company CBE number must contain exact 10 digits.</li> <li>- The company CBE number can only contain digits.</li> <li>- The company CBE number is mandatory.</li> </ul> <p>If the company CBE number is not in the list of allowed CBE numbers or the CBE number is not formatted as described, the system will give the error EM02 for the specified record and do no further treatment for the record.</p>
FR_CI_03	CI_NIHDI Number	<p>Rule describing the checks on the HCW NIHDI number:</p> <ul style="list-style-type: none"> <li>- The HCW NIHDI number should be in the list of the NIHDI HCW.</li> <li>- The NIHDI-number must contain exact 8 digits.</li> <li>- The NIHDI number only contains digits.</li> <li>- The NIHDI number is mandatory.</li> </ul> <p>If the HCW NIHDI number is not known or the NIHDI number is not formatted as described, the system will give the error</p>

		EM03 for the specified record and do no further treatment for the record.
FR_CI_04	CI_Contract Number	<p>Rule describing the checks on the contract number:</p> <ul style="list-style-type: none"> <li>- The contract number should be different from NULL or &lt;empty string&gt;.</li> <li>- The contract number must contain at least 1 digit or 1 character.</li> <li>- The contract number is mandatory.</li> </ul> <p>If the contract number does not meet the requirements above, the system will give the error EM04 for the specified record and do no further treatment for the record.</p>
FR_CI_05	CI_Affiliation Start Date	<p>Rule describing the checks on the affiliation start date:</p> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>- The affiliation start date should be a valid date</li> <li>- The affiliation start date must be formatted as yyyy-mm-dd, even if the date is 2019-03-01.</li> <li>- The affiliation start date must be equal to or greater than 1950-01-01.</li> <li>- The affiliation start date must be less than or equal to 2300-12-31.</li> <li>- The affiliation start date is mandatory.</li> </ul> <p>If the affiliation start date does not meet above checks, the system will give the error EM05 for the specified record and do no further treatment for the record.</p> <p><b>Delete:</b> No validation.</p>
FR_CI_06	CI_Affiliation End Date	<p>Rule describing the checks on the affiliation end date.</p> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>- The affiliation end date should be a valid date</li> </ul>

		<ul style="list-style-type: none"> <li>- The affiliation end date must be formatted as yyyy-mm-dd, even if the date is 2019-03-01.</li> <li>- The affiliation end date must be equal to or greater than 1950-01-01</li> <li>- The affiliation end date must be less than or equal to 2300-12-31</li> <li>- Affiliation End Date &gt;= Affiliation Start Date</li> </ul> <p>If Affiliation End Date &lt; Affiliation Start Date, the system will give the error EM18 for the specified record and do not further treatment for the record.</p> <p>If the affiliation end date does not meet all other of the above checks, the system will give the error EM06 for the specified record and do no further treatment for the record.</p> <p><b>Delete:</b> No validation.</p>
FR_CI_07	CI_Affiliation Suspension	<p>Rule describing the checks on the affiliation suspension:</p> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>- Affiliation Suspension must be 'true' or '1' if the contract must be/is suspended.</li> <li>- Affiliation Suspension must be 'false' or '0' if the contract must be unsuspended or is not suspended.</li> <li>- When using digits, affiliation suspension can only contain 1 digit.</li> <li>- When using digits, affiliation suspension can only contain the digits 0 or 1.</li> <li>- When using characters, affiliation suspension can never contain capital letters.</li> <li>- When using characters, affiliation suspension can only contain the values 'true' or 'false'.</li> <li>- Affiliation suspension is mandatory.</li> </ul>

		<p>If the affiliation suspension code is invalid or empty, the system will give the error EM07 for the specified record and do no further treatment for the record.</p> <p><b>Delete:</b> No validation.</p>
FR_CI_08	CI_IBAN Account Number	<p>Rule describing the checks on the IBAN account number:</p> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>- The IBAN account number must be Belgian.</li> <li>- The IBAN account number must have a valid structure.</li> <li>- The IBAN account number must contain exactly 34 characters</li> <li>- The IBAN account number can only contain letters and digits.</li> <li>- The IBAN account number is mandatory.</li> </ul> <p>If the IBAN account number does not meet the above requirements, the system will give the error EM08 for the specified record and do no further treatment for the record.</p> <p><b>Delete:</b> No validation.</p>
FR_CI_09	CI_BIC code	<p>Rule describing the checks on the BIC code:</p> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>- The BIC code must have a valid structure.</li> <li>- The BIC code must contain exactly 11 characters</li> <li>- The BIC code can only contain letters and digits.</li> <li>- The BIC code is mandatory.</li> </ul> <p>If the BIC code does not meet the above requirements, the system will give the error EM09 for the specified record and do no further treatment for the record.</p>

		<b>Delete:</b> No validation.
FR_CI_10	CI_Structured Message	<p>Rule describing the checks on the structured message:</p> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>- The structured message should be modulo 97 compliant or NULL</li> <li>- The structured message must contain exactly 12 characters</li> <li>- The structured message can only contain digits.</li> </ul> <p>If the structured message does not meet the above requirements, the system will give the error EM10 for the specified record and do no further treatment for the record.</p> <p><b>Delete:</b> No validation.</p>
FR_CI_11	CI_Operation Type	<p>Rule describing the checks on the operation type:</p> <ul style="list-style-type: none"> <li>- <b>Update:</b> Create or update a contract</li> <li>- <b>Delete:</b> Delete a contract</li> </ul> <p>If the operation is invalid, the system will give the error EM11 for the specified record and do no further treatment for the record.</p>
FR_CI_13	CI_Update Operation	<p>Rule describing the update operation of an existing contract at NIHDI.</p> <p>Mandatory fields:</p> <ul style="list-style-type: none"> <li>- CBE number</li> <li>- NIHDI number</li> <li>- Contract number</li> <li>- Affiliation start date</li> <li>- Affiliation suspension code</li> </ul>

		<ul style="list-style-type: none"> <li>- Contract IBAN account number</li> <li>- Contract BIC code</li> <li>- Operation: Update</li> </ul> <p>All mandatory fields should be provided. The validation rules are described in the rules above.</p> <p>Optional fields:</p> <ul style="list-style-type: none"> <li>- Affiliation end date</li> <li>- Free message</li> <li>- Structured message</li> </ul> <p>The validation rules are described in the rules above.</p> <p>Primary key:</p> <ul style="list-style-type: none"> <li>- CBE number</li> <li>- NIHDI number</li> <li>- Contract number</li> </ul> <p>The primary key should exist in the NIHDI contract database. If the primary does not exist, the system presumes the record is the creation of a new contract.</p> <p>If not all mandatory fields are provided the system will give the error message EM131 for the specified record and do no further treatment for the record.</p>
FR_CI_14	CI_Delete Operation	<p>Rule describing the delete operation.</p> <p>Mandatory fields:</p> <ul style="list-style-type: none"> <li>- CBE number</li> <li>- NIHDI number</li> <li>- Contract number</li> <li>- Operation: Delete</li> </ul>



		<p>All mandatory fields should be provided. The validation rules are described in the rules above.</p> <p>Optional fields:</p> <ul style="list-style-type: none"> <li>- Affiliation start date</li> <li>- Affiliation suspension code</li> <li>- Contract IBAN account number</li> <li>- Contract BIC code</li> <li>- Affiliation end date</li> <li>- Free message</li> <li>- Structured message</li> </ul> <p>No validation is done.</p> <p>Primary key:</p> <ul style="list-style-type: none"> <li>- CBE number</li> <li>- NIHDI number</li> <li>- Contract number</li> </ul> <p>If a mandatory field is missing, the system will give the error EM141 for the specified record and do no further treatment for the record.</p> <p>If the primary key does not exist in the NIHDI contract database, the system will give the error EM142 for the specified record and do no further treatment for the record.</p> <p>If the delete operation of the used contract is done <u>after</u> the UsedContractDate, the system will give the error EM143 for the specified record and do no further treatment for the record.</p>
FR_CI_15	CI_Check Used Contract	<p>If the used contract is terminated, postponed, suspended or deleted <u>before</u> UsedContractDate the system checks if the modified contract can still be a used contract.</p>

		<p>A used contract must be a valid contract.</p> <p>If the modified contract can not be a used contract anymore, the appropriate warning should be returned:</p> <ul style="list-style-type: none"> <li>- WA05 if affiliation start date has been postponed</li> <li>- WA06 if affiliation end date has been changed</li> <li>- WA07 if the contract has been suspended</li> <li>- WA11 if contract has been deleted</li> </ul>
FR_CI_16	CI_Free Message	<p>Rule describing the checks on the free message:</p> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>- The free message can contain maximum 100 characters.</li> <li>- The free message is optional.</li> <li>- The free message can contain any character.</li> <li>- The free message will not be read if a structured message is also in the file.</li> </ul> <p>If the free message is longer than 100 characters, the file will be processed but the system will only read the first 100 characters and give the warning WA16.</p> <p><b>Delete:</b> No validation.</p>
FR_CI_17	CI_Update_Affiliation Dates	<p>Rule describing the update of the Affiliation End Date of an used contract <u>after</u> UsedContractDate.</p> <p>Once a valid contract has become a used contract the contract can not become an invalid contract anymore.</p> <p>If an update of the Affiliation Dates is sent after UsedContractDate the record will be treated but the contract will stay the used contract.</p>
FR_CI_18	CI_Delete Operation	<p>Rule describing the delete operation <u>after</u> UsedContractDate.</p>

		<p>Once a valid contract has become a used contract the contract can not be deleted anymore.</p> <p>If delete of an used contract is sent <u>after</u> UsedContractDate, the system will give the error EM17 for the specified record and do no further treatment for the record.</p>
--	--	---

## 5.6 Coding Schemes

---

### 5.6.1 Affiliation suspension

Value	Label
false or 0	Not Suspended
true or 1	Suspended

### 5.6.2 Operation

Value	Label
Update	Update
Delete	Delete

## 5.7 Error Messages and Warnings

This section contains the error messages applied during the use case execution

Rule ID	Name	Description
EM01	EM_Prevalidation	A technical error occurred while receiving the input file.
EM02	EM_Company CBE Number	The company CBE number does not match with the used certificate.
EM03	EM_NIHDI Number	The NIHDI number is unknown.
EM04	EM_Contract Number	The contract number is not provided.
EM05	EM_Affiliation Start Date	The affiliation start date is not a valid date.
WA05	WA_Affiliation Start Date	Due to changes to the affiliation start date, no used contract is present any more for the premium year.
EM06	EM_Affiliation End Date	The affiliation end date is not a valid date.
WA06	WA_Affiliation End Date	Due to changes to the affiliation end date, no used contract is present any more for the premium year.
EM07	EM_Affiliation Suspension	The affiliation suspension is not equal to true, false, 0 or 1.
WA07	WA_Affiliation Suspension	Due to suspension of the contract, no used contract is present any more for the premium year.
EM08	EM_IBAN Account Number	The IBAN account number is invalid or not Belgian.
EM09	EM_BIC Code	The BIC code is invalid or not Belgian.
EM10	EM_Structured Message	The structured message is not NULL or modulo 97 compliant.
EM11	EM_Operation Type	The operation type is invalid.
WA11	WA_Delete	Due to deletion of the used contract, no used contract is present any more for the premium year.
EM131	EM_Update Operation Mandatory Fields	One of the mandatory fields is not present for the operation.
EM141	EM_Delete Operation Mandatory Fields	One of the mandatory fields is not present for the delete operation.

EM142	EM_Delete Operation Primary Key	The primary key does not exist. The delete operation could not be executed.
EM143	EM_Delete Operation PaymentExists	The delete operation could not be executed because the contract is a used contract.
WA16	WA_Free Message	The free message is longer than 100 characters.
EM17	EM_Delete Operation	The delete of the contract code could not be executed because the contract is a used contract.
EM18	EM_Affiliation Dates	Affiliation Start Date must be smaller than or equal to the Affiliation End Date.

## 6 Annexe: XSD Schemes

---

1. BasicTypes.xsd : definition of the basic types used for Social Benefits.
2. ContractMutations.xsd : definition of the format for transferring contract mutations to NIHDI, and for receiving feedback.
3. RIZIV GENERR.xsd : definition of the generic error format, for receiving file transfer errors.

For the current version, please visit :

[https://www.inami.fgov.be/SiteCollectionDocuments/schema\\_xsd.zip](https://www.inami.fgov.be/SiteCollectionDocuments/schema_xsd.zip)

## 7 Examples

---

### 7.1 *Starting point*

---

We have a contract with AffiliationStartDate = 01/01/2019

The contract has not been suspended

The contract has no AffiliationEndDate

Care provider meets all necessary conditions

This is the care provider's only contract

This contract can be linked on UsedContractDate

### 7.2 *Contract change before UsedContractDate: suspension*

---

⇒ The suspension of the contract is registered.

Since the contract has been suspended, it can no longer be linked to a premium application.

The care provider sees the contract, but cannot link it to the premium application.

### 7.3 *Contract change after UsedContractDate: suspension*

---

The contract is already linked to the premium application

The contract may remain linked to the premium application and payment may be made on it.

⇒ The suspension is registered

The contract remains linked to the premium application, since the "reasonable period" has expired.

If the care provider manually disconnects the contract from the premium application, he will no longer be able to link it back.

The care provider will see the contract for the next premium year, but will no longer be able to link it to a subsequent premium application

#### **7.4 Contract change before UsedContractDate: AfiliationEndDate < 01/01/2019**

---

The contract was therefore never actually valid.

⇒ The Affiliation End Date is registered

As the contract has never been valid, it cannot be linked to the premium application for the 2019 premium year.

The care provider sees the contract, but cannot link it to the premium application.

#### **7.5 Contract change before UsedContractDate: AfiliationEndDate ≥ 01/01/2019**

---

The contract has been valid for at least 1 day

⇒ The contract has been valid for at least 1 day for the 2019 premium year.

The Affiliation End Date is registered

The care provider sees the contract and can also link it to the premium application since it has been valid for 1 day.

#### **7.6 Contract change after UsedContractDate: AfiliationEndDate < 01/01/2019**

---

The contract is already linked to the premium application

The contract has therefore never been valid.

⇒ The Affiliation End Date is registered

The contract remains linked to the premium application, since the "reasonable period" has expired

If the care provider manually disconnects the contract from the premium application, he will no longer be able to link it back.

The care provider will see the contract for the next premium year, but will no longer be able to link it to a subsequent premium application

#### **7.7 Contract change after UsedContractDate: AfiliationEndDate ≥ 01/01/2019**

---

The contract is already linked to the premium application

The contract has been valid for at least 1 day.

⇒ The Affiliation End Date is registered



The contract remains linked to the premium application since the contract has been valid for at least 1 day.

If the care provider manually disconnects the contract from the premium application, he can re-link the contract

The care provider will see the contract for the next premium year, but will no longer be able to link it to a subsequent premium application

#### **7.8 Contract change before UsedContractDate: contract is deleted**

---

Healthcare provider does not see the contract.

Healthcare provider cannot link the contract

⇒ The removal of the contract is registered.

The contract is not visible to the care provider and can therefore never be linked to the premium application.

#### **7.9 Contract change after UsedContractDate: contract is deleted**

---

The contract is already linked to the premium application

⇒ The removal of the contract is not registered.

The contract remains linked to the premium application.

If the care provider manually disconnects the contract from the premium application, he can re-link the contract.

If the contract is not disconnected by the care provider, the payments will also be made on the basis of this contract

The insurer receives an error message, which indicates that the contract can no longer be canceled since the reasonable period has expired

#### **7.10 Contract change after UsedContractDate, payment has already been made: contract is deleted**

---

The contract is already linked to the premium application

A payment has already been made on the linked contract

⇒ The removal of the contract is not registered.

The contract remains linked to the premium application.



The insurer receives an error message, indicating that the contract can no longer be canceled since payments have already been made.