

RIZIV – INAMI

US74058 - Technical Requirements (UC02)

Sociaal Statuut InfoSS – P418

Version: 2.0

Document Purpose

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

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1. Guidelines

This document describes the technical requirements for the file interchanges between NIHDI and insurers or pension funds for INFOSS:

- UC02 (input files from insurers or pension funds to NIHDI)
- UC15 (output files from NIHDI to insurers or pension funds).

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
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 there is an overlap between the contract active periode and the premium campaign period.
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 accreditation, 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	<p>Drops an input file at the SFTP server</p> <p>Reads the feedback files from the SFTP server</p> <p>Reads the output files from the SFTP server</p>		Company KBO number + Certificate
NIHDI System	<p>Will validate the input files and send feedback files to the SFTP server</p> <p>Will treat the input files asynchronously and send feedback files to the SFTP server</p> <p>Will send output files to the SFTP server</p>		
Smals System	Will contain the input files, output files and feedback files on the SFTP server		

4. Specifications

4.1. Set-Up

- The insurer or pension fund provides NIHDI with a public key and public IP addresses of their servers
- NIHDI allows access from the public IP addresses
- NIHDI provides the insurer or pension fund with a user ID and password for the SFTP connection
- See document “XFERCOM SFTP Server – Procedure Generating a key pair using PUTTYGEN” for more information

4.2. Login

- User logs on with private key, user name and password via his FTP client.

4.3. Input files (UC02)

File name:

- Maximum length: 150 characters
- Allowed characters: a-z, A-Z, 0-9, - (hyphen), _ (underscore)
Spaces or special characters are not allowed !
- [CompanyName]_[FileName].xml
E.g. BIG-Insurance_A0065621545.xml

File Size:

- Recommendation to keep filesize <10Mb.

Location:

- Folder: **Insurer_To_Nihdi**

XSD-scheme:

- ContractMutations.xsd

Persistence:

- The files are removed at the start of NIHDI processing.

4.4. Feedback files (UC02)

File name:

- Input file name + timestamp
- By record: [CompanyName]_[FileName]_[Timestamp].xml
- E.g. BIG-Insurance_A0065621545_20191223T092903.xml
- Contains only records with error(s); can be empty (except the headers)
- If the file could not be read: *guid.dat*

Location:

- Folder: **Feedback**

XSD-scheme:

- By record: ContractMutations.xsd
- If file could not be read: RIZIV_GEN_ERR (Standard).xsd

Persistence:

- At least 31 days. After processing, the receiving party should remove the feedback files from the directory.

4.5. Output files (UC15)

File names

- [CompanyName]_Snapshot.xml
E.g. BIG-Insurance_Snapshot.xml
- [CompanyName]_Delta_[Timestamp].xml
E.g. BIG-Insurance_Delta_20191223T092903.xml

Location

- Folder: **Nihdi_To_Insurer**

XSD-scheme

- ContractInformation.xsd

Persistence

- The snapshot files (last two premium years) are replaced every working day by a new version.
- The delta files (older premium years) are available at least 366 days.
- After processing, the receiving party should remove the output files from the directory.

4.6. .CMT files

The platform NIHDI uses for publishing the feedback and output files uses small commit-files (.CMT) to monitor the processing of the files on the receiving side. These .CMT-files are to be ignored by the receiving system.

Details : when the platform detects a .CMT without its counterpart, it will remove the .CMT file and update the status of the transaction to a succesful endstate. This assumes the receiving party effectively removes the feedback and output files from their resp directories.

4.7. Sequence Number

The input XSD contains a mandatory Sequence Number field, to avoid conflicts in the asynchroneous treatement of subsequent files.

Details : the following processing logic is applied :

- The Sequence Number is stored with every processed contractrecord from a file.
- When processing the contractrecords of a newly received file, for each contractrecord the Sequence Number of the file is compared to the Sequence Number of the corresponding contractrecord already in the system.
 - If the new Sequence Number is greater than the stored Sequence Number, the contractrecord is updated.
 - If not, the contractrecord is skipped.
- If no corresponding contractrecord is found, the contractrecord is created in the system, with the Sequence Number information.