EESSI – CDM 4.4

ADMIN - Administrative

AD_BUC_12_Subprocess - v4.4.0

Change of Participant

BUC Specifications

European Commission

Employment,
Social Affairs
and Inclusion

Document Control Information

Document Control	Value
Project Title	Electronic Exchange of Social Security Information (EESSI)
Document Name	AD_BUC_12_Subproc_Specification_v4.4.0.docx
Document Category	BUC Specifications
Document Version	v4.4.0
Revision	-
CDM Package	CDM 4.4.0 Package
Publication Date	06/12/2024
Document Status	Final
Sensitivity (TLP) Distribution terms	Traffic Light Protocol (TLP) = "GREEN" **GREEN** Only share inside EESSI community See Author guidance before sharing The distribution of this document is done strictly in line with the Traffic Light Protocol (TLP) established by the European Commission's note AC 790/15 REV for the EESSI project documentation. In line with the note AC 790/15 REV, this document is labelled as TLP = "Green". Therefore, it can be circulated widely within the EESSI community. However, the document or the information herein may not be published or posted on the Internet, nor released outside of the EESSI community.
Connected/Embedded Files	None
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Document history

Version	Date	Short Description of Changes
v0.1.0	06/04/2016	Initial Draft
v0.2.0	25/07/2016	Alignment to the standard description and layout of the BUC.
v0.99.0	23/09/2016	Candidate for AC Approval 1. new layout
v0.99.1	01/10/2016	Update to BUC following AC comments and alignment to EESSI Routing Options architecture document.
v1.0.0	19/10/2016	AC APPROVED VERSION
v1.0.1	16/11/2016	Typo Corrected SED Type updated in Legal Basis
v1.0.2	05/07/2017	Updated Section 5.1. Change of Participant – Collaboration diagram – with the referenced diagram from Guidelines
v1.0.3	08/08/2017	-Added the reference to the bpmn diagram version. - Adapted reference to BUC confluence page in Configuration Management
v1.0.4	29/11/2017	Clarified section 4.1 RUP Table Representation: - added to the description: "The Intelligent Routing Application is responsible to notify about the change of participants (by sending X100 SED)"; - added as post-condition: "The Intelligent Routing Application has notified about the change of participants (by sending X100 SED)".
v4.1.0	22/08/2018	- Section 4.4 merged 2 tables (for SED & for Subprocesses) into 1 BUC Artefact table." - Version adaptations to release 4.1.0.
v4.2.0	29/05/2019	Version adaptations to release 4.2.0.

v4.3.0	31/08/2021	Version adaptations to release 4.3.0.
v4.4.0	06/12/2024	Version adaptations to release 4.4.0

Table of Contents

1. Introduction

1.1. Purpose

The purpose of this document is to construct an external view of, part of, the 'EESSI business system' as described in EC Regulations 883/2004 [R1] and 987/2009 [R2]. The 'EESSI Business System' describes the business and expected business processes without consideration as to which part(s) may be realized by an IT System (i.e. the proposed EESSI IT System).

The external view comprises of models and descriptions of business use cases, the services of a business system offered to business actors: customers, business partners, or other business systems.

A business use case is described from an actor's perspective; it describes the interaction between an actor and the business system, meaning it describes the behaviours of the business system that the actor utilizes. The Business Use Case includes Use Case Diagrams and Business Process Models.

Use case diagrams show actors, business use cases, and their relationships. Use case diagrams do not describe procedures. Alternative scenarios also remain hidden. These diagrams give a good overview of the behaviours of the EESSI business system which will direct and govern part of the expected behaviours and functionality delivered by the EESSI IT System.

1.2. Scope

This document is limited to the external view on the pensions´ sector process of the Change of Participant process. The different elements like use case description, actors, and business process as well as supporting UML diagrams and BPMN models pertaining to the Change of Participant.

1.3. Definitions, Acronyms and Abbreviations

Please see the EESSI Project Glossary here

1.4. References

#	Document Type	Document Name
R1	Basic Regulations EC (883/04)	Regulation EC No. 883/2004.pdf
R2	Implementing Regulations EC (987/09)	Regulation EC No 987/2009.pdf

1.5. Overview

Chapter 1 introduces the external view on the business system under review and lists the elements of this specification.

Chapter 2 introduces us to the Change of Participant business process. The chapter gives a short and detailed description as well as a reference to business process´ legal base.

Chapter 3 lists the actors involved in the Change of Participant business process.

Chapter 4 describes in detail the Change of Participant business process based on the RUP use case template, as well as the relationship to other use cases.

Chapter 5 describes the Change of Participant business process using business process modelling notation (BPMN).

2. Description

2.1. Business Scenario

In a situation where a case is being created, and a SED is sent to an institution in another MS it is possible to configure the receiving MS Access Point to route the message to an "Intelligent Routing Application". The Intelligent Routing Application is responsible to analyse (automatically or manually) the SED to determine the correct institution to receive the SED and to handle the case.

2.2. Legal Base

This Business Use Case document's legal base is described in the following Regulations

- Basic Regulation (EC) No 883/2004 [R1]
- Implementing Regulation (EC) No 987/2009 [R2]

The following matrix specifies the SEDs that are used in this Business Use Case and documents the articles that provide the legal basis for each SED.

SED	Basic Reg (883/04)	Implementing Reg (987/2009)	
	76	2(1)	2(2)
X100	√	√	√

Table 1: SED – Legal base relationship matrix

3. Actors & Roles

This chapter captures details of the actors which are important to understand the different types of system users. An actor is anyone or anything that exchanges data with the business system. An actor can be a user, external hardware, or another system.

The overarching description of each actor described in this Business Use Case can be found in the Glossary. Below you will find a short description which provides further clarity of this actor within the context of this Business Use Case.

Actor name	Description
IntelligentRA	The IntelligentRA is a specific application that is responsible for receiving SED, analysing it and determining (automatically or manually) the correct Institution to handle the case.
New Participant	The New Participant is the institution who, before the execution of this Business Use Case, was not part of the case and following it is a participant.
Removed Participant	The Removed Participant is the Institution to which the SED was originally addressed and will be removed following the execution of this process
Other Participant(s)	Other Participant(s) represent(s) all other active participants in the case. This will be one or more Institutions as determined by the main process.

4. Use Case

4.1. RUP Table Representation

Use Case ID:	**AD_BUC_12**
Use Case Name:	Change of Participant

Created By:	EESSI BA Team	**Last Updated By:**	EESSI BA Team
Date Created:	06/04/2016	**Publication Date:**	06/12/2024

Actors:	IntelligentRA New Participant Removed Participant Other Participant(s)
Description:	In a situation where a case is being created, and a SED is sent to an institution in another MS it is possible to configure the receiving MS Access Point to route the message to an "Intelligent Routing Application". The Intelligent Routing Application is responsible to analyse (automatically or manually) the SED to determine the correct institution to receive the SED and to handle the case. The Intelligent Routing Application is responsible to notify about the change of participants (by sending X100 SED);
Trigger:	The Access Point of an Institution to which a SED is addressed, determines, based on some pre-configured business rules, to pass the SED to an "Intelligent Routing Application"
Preconditions:	The Access Point has configured the Intelligent Routing Rules
Post conditions:	The following post-conditions are possible: - The new participant is added to the case and receives the SED they need to actively participate in the case - The Removed Participant is removed from the case - The Intelligent Routing Application has notified about the change of participants (by sending X100 SED)

Main Scenario:	1. The IntelligentRA receives a SED[1]
	2. The IntelligentRA analyses the SED and determines the correct Institution that will handle the case in their Member State ("the New Institution")
	3. The IntelligentRA fills out a Change of Participant (X100) SED providing the details of the New Institution and the Institution to be Removed;
	4. The IntelligentRA sends X100 SED to the Other Participant(s);
	5. Each of the Other Participants receive the X100 and
	    a. take note of the New Participant and include it in any further exchanges of SED in accordance with the business rules of that case;
	    b. take note of the Removed Participant and no longer include this participant in the case.

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[1] Upon receipt the IntelligentRA must also send a ebMS Receipt, this step is not described here as it is part of the Transport Layer protocols and this document focused on the Business Layer.

	6. The IntelligentRA sends the SED they received to the New Participant 7. The use case ends here.

Alternative Scenarios:	*Branch 1:* **At [Step 2] the IntelligentRA determines the correct Institution to be the same Institution that the SED was originally addressed (Removed Participant)**
	
	  1. The Intelligent RA sends the SED they received to the originally addressed participant (Removed Participant)
	  2. The use case ends here

Exceptions:	none
Includes:	This BUC is exclusively used as a Sub-Process in other sectorial business processes.
Frequency of Use:	
Special Requirements:	**SR1**: Up and until the completion of [Step 5] the Other Participant(s) may send further SED in the case. It is the responsibility of the IntelligentRA to also send these SED to the New Participant at [Step 6] **SR2**: The X100 SED is not sent to the Removed Participant or the New Participant
Assumptions:	N/A
Notes and Issues:	N/A

4.2. Request – Reply SEDs

The following table specifies the SEDs that have a logical pairing to one another, usually this is known as a request-reply pair.

REQUEST SED	REPLY SED(s)

4.3. Attachments

The following table specifies whether attachments are permitted to be included when sending a SED type.

SED	Attachments
X100	Not allowed

4.4. Artefacts used

The following table specifies the artefacts that are used in this Business Use Case.

Artefact name	Artefact type
X100	**SED**

5. Business Processes

This chapter describes the Business Use Case Change of Participant using BPMN 2.0.

5.1. Change of Participant – Collaboration diagram

6. Appendices

6.1. Issues

N/A