



EESSI – CDM 4.4

S - Sickness

S_BUC_09 - v4.4.0

**Scheduled Treatment – Request extension of
authorisation in Member State of Stay**

BUC Specifications

Document Control Information

Document Control	Value
Project Title	Electronic Exchange of Social Security Information (EESSI)
Document Name	S_BUC_09_Mainproc_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	<p>Traffic Light Protocol (TLP) = "GREEN"</p> <div data-bbox="734 974 1165 1176"> <p>GREEN</p> <hr/> <p>Only share inside EESSI community See Author guidance before sharing</p> </div> <p>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.</p> <p>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 However, the document or the information herein may not be published or posted on the Internet, nor released outside of the EESSI community.</p>
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Document history

Version	Date	Short Description of Changes
v0.1	10/01/2015	First draft
v0.2	03/07/2015	Correction of the title of the document (minor correction)
v0.3	29/07/2015	<p>Grammatical corrections (minor correction) based on feedback received from Alyson LONGSTAFF.</p> <p>Editorial changes: suggestion to insert an alternative scenario in section 4.1 (feedback received from Chris SEGAERT)</p> <p>The following chapters of the document have been changed:</p> <p>2.2 Legal Regulations / Policy Issues / Other Mentions: SED 075 and S076 have been added</p> <p>4.1 RUP Table Representation: alternative scenario added Rule about invoking of branches added</p>
v0.4	07/08/2015	<p>Chapter 5:</p> <p>BPMN diagrams have been updated in order to insert "Request Info" sub-process for the Counterparty</p> <p>"Counterparty" has been renamed by "Other Party(ies)" in "Request Info" sub-process</p>
v0.5.0	20/01/2016	<p>Parts of the document have been added in order to be in line with document presentation and content to be approved by Administrative Commission.</p> <p>As agreed during the AHG Members meeting 04/11/2015:</p> <p>H_BUC_01 is added for Case Owner</p> <p>AD_BUC_05 Forward is added for Counterparty</p> <p>Claimant is removed from the BUC.</p> <p>Chapter 2</p> <p>2.1 Detailed description is renamed and updated. Last sentence is removed</p> <p>2.2 Legal Base is updated</p> <p>Chapter 3 Actors & Roles</p> <p>Claimant is removed</p> <p>Chapter 4</p> <p>4.1 RUP Table Representation</p> <p>"Actors" – Claimant is removed</p> <p>"Main Scenario" – step 8 is added</p> <p>"Exceptions" is added</p>

		<p>"Includes" is updated</p> <p>"Alternatives scenarios":</p> <ul style="list-style-type: none"> - Branch 2: H_BUC_01 is added for Case Owner - Branch 3: AD_BUC_05 Forward is added for Counterparty <p>"Special Requirements" is updated according to the branches added</p> <p>4.2 Request – Reply SEDs is added</p> <p>4.3 Attachments Allowed is added</p> <p>4.4 RUP UC Diagram is updated (H_BUC_01 and AD_BUC_05 are added, Claimant is removed)</p> <p>4.5 SED and Sub-process Versioning is added</p> <p>Chapter 5</p> <p>5.1 Case Owner (BPMN is updated – Claimant is removed and H_BUC_01 is added)</p> <p>5.2 Counterparty (BPMN is updated – AD_BUC_05 is added)</p> <p>5.3 Called Sub Processes</p> <p>Identify Participants BPMN is updated</p> <p>5.4 Main Scenario is removed</p> <p>Chapter 6</p> <p>Section 6.1 Related Use Cases is removed</p> <p>Section 6.2 Privacy and Security Assumptions is removed</p> <p>Version number of the document has been changed to be in line with the convention M.m.p where:</p> <ul style="list-style-type: none"> - M = Major version (e.g. Approved by AC) - m = Minor version (e.g. changes in the process) - p = Patch version (e.g. wording...any changes without any impact on the process itself)
v0.6.0	01/03/2016	<p>Add H_BUC_01 for the Counterparty</p> <p>Section 4: RUP Table Description is updated</p> <p>Branch 3 is added, other branch is renumbered</p> <p>Branch 4: At [step 5] has been replaced by After [step 5] and before [step 6]</p> <p>Section 5: Business Processes has been replaced</p>
v0.99.0	15/04/2016	Candidate for AC Approval as agreed by the Sickness rapporteur.
v1.0.0	28/06/2016	<p>Status logo set to 'Approved' following AC approval of June, 20th 2016.</p> <p>Alignment to the standard description and layout of the BUC.</p>
v1.1.0	13/06/2017	Change Requests EESSI-1798: As agreed by AHG members, "AD_BUC_07 – Reminder" has been added for Case Owner

		and Counterparty: - Correction Section 4: description of Branches 'Reminder' – Branches 4 and 5 -Correction Section 4, Branch 1 and 2, withdraw the use of H_BUC_01 as 'Reminder' Change Request EESSI-1849: "H_BUC_01" is added for the Case Owner "H_BUC_08" is added for the Counterparty and replaces S075 and S076 Section 4.1 has been updated (Branch 4 and 5 added) Section 4.4 has been updated (Reminder is added) Section 4.5 SED and Sub-process Versioning: H_BUC_01 and H_BUC_08 are added) S075 and S076 are removed
v1.1.2	30/06/2017	-Included BPMN picture in section 5 -Correction in the horizontal sub-process table in 4.5 - removed Use Case diagram
v4.1.0	09/08/2018	- Section 4.4: merged 2 tables (for SED & for Subprocesses) into 1 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	Update Branch 2 title to allow the CO to use the H_BUC_01 sub-process also after sending S035 and before receiving the S037, according to the EESSI-7337 CR.

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1. Introduction

1.1. Purpose

The purpose of this document is to construct an external view 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 any consideration as to which part(s) may be realised 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, and business processes.

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 utilises. 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 of the Sickness' sector process concerning Scheduled treatment - Request extension of authorisation in Member State of Stay. The different elements like use case description, business actors, and business process as well as supporting UML diagrams and BPMN models pertaining to the Scheduled Treatment - Information on Coverage of Specific Benefit in Kind case.

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 the Scheduled treatment - Request extension of authorisation in Member State of Stay business process. This chapter gives a short and detailed description as well as a reference to the business process' legal base.

Chapter 3 lists the actors involved in the Scheduled treatment - Request extension of authorisation in the Member State of Stay business process.

Chapter 4 describes in detail the Scheduled treatment - Request extension of authorisation in Member State of Stay business process based on the RUP use case template, as well as the relationship to other use cases.

Chapter 5 describes the Scheduled treatment - Request extension of authorisation in Member State of Stay business process using business process modelling notation (BPMN).

2. Description

2.1. Business Scenario

When an insured person who is receiving treatment outside the competent Member State being previously authorized (portable document S2) needs an extension of the authorization, the institution of the Member State requests the competent institution of the Competent Member State for an extension of it. In practice it will likely be at the demand of the care provider (hospital, doctor ...) treating the patient.

2.2. Legal Base

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

- Basic Regulation (EC) No 883/994 [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 (987/09)
	20	26
S035	✓	✓
S037	✓	✓

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
Case Owner	In this BUC the Case Owner is Institution of the Member State of stay where the insured person is receiving an appropriate (scheduled) treatment.
Counterparty	In this BUC The Counterparty is the Institution of the competent Member State entitled to grant an authorization to receive an appropriate treatment.

Table 2: Actors & Roles

4. Use Case

4.1. RUP Table Representation

Use Case ID:	S_BUC_09		
Use Case Name:	Scheduled Treatment - Request extension of authorisation in Member State of Stay		
Created By:	EESSI BA Team	Last Updated By:	EESSI BA Team
Date Created:	10/01/2015	Publication Date:	06/12/2024
Actors:	Case Owner Counterparty		
Description:	This case deals with the situation when an insured person has been granted an authorization for a scheduled treatment outside the Member State of residence / competent Member State and he/she requires an extension of it. Thus, this BUC models the exchange of information required for an institution of the Member State of stay to request for an extension of this authorization.		
Trigger:	The insured person, in practice through the care provider, requests the institution of the Member State of stay for an extension of the authorisation (portable document S2) to receive the treatment		
Preconditions:	The insured person stays outside the competent Member State.		
Post Conditions:	Institution of Member State of stay is informed whether the authorization is extended or not		
Main Scenario:	<p>Identify Participants</p> <ol style="list-style-type: none"> 1. The Case Owner identifies the Competent Member State entitled to grant the extension of the authorisation; 2. The Case Owner then identifies the correct institution in the Competent Member State. There will be only one counterparty. The Case Owner and the Counterparty are herein collectively referred to as the Participants. <p>Request for an extension</p> <ol style="list-style-type: none"> 3. The Case Owner fills in the Information of "Request for extension of entitlement document" (S035) entering the date on which the authorisation (portable document S2) was issued and other relevant information, among which the start and end date of the requested extension of the authorisation; 4. The Case Owner sends the S035 to the Counterparty. <p>Reply to the request</p> <ol style="list-style-type: none"> 5. The Counterparty receives the request for an extension (S035); 6. The Counterparty fills in a "Reply to request for extension of entitlement document" (S037) specifying its decision in respect of the extension of the entitlement document for a scheduled treatment; 7. The Counterparty sends the S037 to the Case Owner; 8. The Case Owner receives the S037; 9. This use case ends here. 		
Alternative Scenarios:	The Following Branches determine the use of Horizontally Defined Sub Processes within the Business Process		
	Branch 1: <i>At any step after [step 7] the Counterparty may optionally choose to request medical information from Case Owner</i>		

	<ol style="list-style-type: none"> 1. The Counterparty executes business use case H_BUC_08 – Medical Information 2. [This Branch] Ends.
	<p>Branch 2: <i>At any step after [step 4] the Case Owner may optionally choose to request AdHoc Information from Counterparty</i></p> <ol style="list-style-type: none"> 1. The Case Owner executes business use case H_BUC_01 – Adhoc Exchange of Info; 2. [This Branch] Ends.
	<p>The Following Branches determine the use of Administrative Defined Sub Processes within the Business Process</p>
	<p>Branch 3: <i>At any step after [step 5] the Counterparty may optionally choose to Forward this Business Process to another Institution within its MS who assumes responsibility for changing it</i></p> <ol style="list-style-type: none"> 1. The Counterparty executes business use case AD_BUC_05 – Forward Case; 2. [This Branch] Ends.
	<p>Branch 4: <i>after Branch 1 [step 1] Counterparty may optionally choose to send a reminder in order to receive the Information expected and not yet received</i></p> <ol style="list-style-type: none"> 1. The Counterparty executes business use case AD_BUC_07 – _Reminder; 2. [This Branch] Ends
	<p>Branch 5: <i>At any step after [step 4] Case Owner may optionally choose to send a reminder in order to receive Information expected and not yet received.</i></p> <ol style="list-style-type: none"> 1. The Case Owner executes business use case AD_BUC_07_ – _Reminder; 2. [This Branch] Ends
Exceptions:	None
Includes:	See diagram at part 4.4
Special Requirements:	<p>SRO: General Rule As the request is individualized the case can concern only one person.</p> <p>SR1: Rules about invoking of Branches [Branch 1] – May be invoked more than once [Branch 2] – May be invoked more than once [Branch 3] – May be invoked once when the first SED is received by Counterparty and before sending the answer [Branch 4] – May be invoked more than once. [Branch 5] – May be invoked more than once.</p>
Assumptions:	N/A
Notes and Issues:	N/A

4.2. Request – Reply SEDs

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

REQUEST SED	REPLY SED(s)
S035	S037

4.3. Attachments Allowed

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

SED	Attachments
S035	Allowed
S037	Allowed

4.4. Artefacts used

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

Artefact name	Artefact type
S035	SED
S037	SED
H_BUC_01_Subprocess	BUC
H_BUC_08_Subprocess	BUC
AD_BUC_05_Subprocess – Forward Case	BUC
AD_BUC_07_Subprocess – Reminder	BUC
AD_BUC_11_Subprocess – Business Exception	BUC
AD_BUC_12_Subprocess – Change of Participant	BUC

5. Business Processes

This chapter describes the Business Use Case Scheduled treatment - Request extension of authorization in Member State of Stay using BPMN 2.0.

5.1. Case Owner and Counterparty

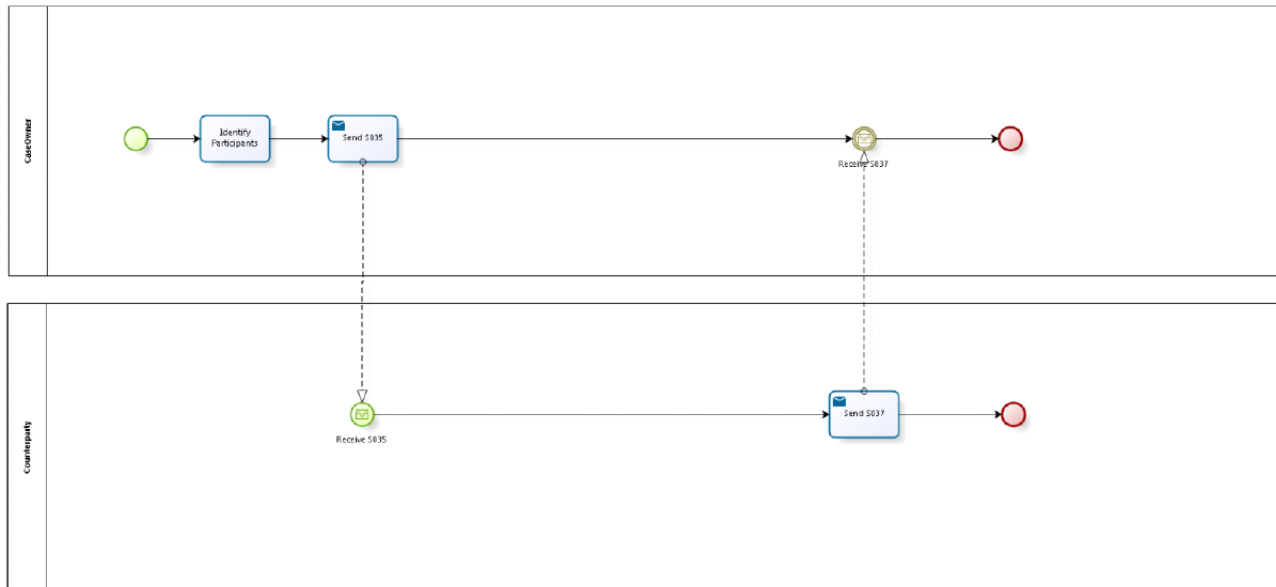


Figure 1: depicts the use case end-to-end for the Case Owner and Counterparty, from a high level.

5.2. Sub Processes

Not applicable.

6. Business Processes

6.1. Issues

#	Issue date	Description	Replies	Action/Resolution	Close date
1	28/06/2016	Conversion of BPMN to split between Case Owner and Counterparty.		Scheduled for update.	