



# **EESSI – CDM 4.4**

## **S - Sickness**

### **S\_BUC\_07 - v4.4.0**

#### **Scheduled Treatment – Information on Coverage of Specific Benefit in Kind**

#### ***BUC Specifications***

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## Document history

Version	Date	Short Description of Changes
v0.1	10/01/2015	First draft
v0.2	21/04/2015	Final adjustment after Chris SEGAERT and Alyson LONGSTAFF review
v0.3	19/08/2015	<p>Document history: table is now in reverse chronological order.</p> <p>Grammatical corrections (minor correction) based on feedback received from Alyson LONGSTAFF in another BUC.</p> <p>Chapter 2:</p> <p>2.1 last sentence of paragraph has been modified</p> <p>2.2 Basic Regulation No 883/994 has been replaced by No 883/2004</p> <p>Chapter 5</p> <p>Section 5.3:</p> <ul style="list-style-type: none"> <li>- Diagram for "Identify Participants" sub-process has been added</li> <li>- Diagram for "Fill and send SED" sub-process has been replaced by the new one</li> </ul>
v0.4.0	19/01/2016	<p>Document has been updated with remarks and comments received from Belgium.</p> <p>As agreed during the AHG Members 04/11/2015, H_BUC_01 is added for Case Owner and Counterparty</p> <p>AD_BUC_05 Forward is added for Counterparty</p> <p>Claimant is removed from the BUC.</p> <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>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 &amp; Roles</p> <p>Claimant is removed.</p> <p>Chapter 4: RUP Table Representation</p> <p>"Actors" – Claimant is removed</p> <p>"Main Scenario" – step 5 and Step 8 are added</p> <p>"Exceptions" has been added</p> <p>"Includes" is updated</p>

		<p>"Alternatives scenarios" are added</p> <ul style="list-style-type: none"> <li>- Branch 1 and 2: H_BUC_01 is added for Case Owner and Counterparty</li> <li>- Branch 3: AD_BUC_05 Forward is added for Counterparty</li> </ul> <p>"Special Requirements" is updated according to the branches added</p> <p>Section 4.2 Request – Reply SEDs is added</p> <p>Section 4.3 Attachments allowed is added</p> <p>Section 4.4 RUP UC Diagram Representation is updated (H_BUC_01 and AD_BUC_05 Forward are added, Claimant is removed)</p> <p>Section 4.5 SED and Sub-process versioning is added</p> <p>Chapter 5: Business Processes</p> <p>Section 5.1 Case Owner is updated (H_BUC_01 is added and claimant removed)</p> <p>Section 5.2 Counterparty is updated (H_BUC_01 and AD_BUC_05 are added)</p> <p>Section 5.3 Called Sub Processes (Identify Participants is updated)</p> <p>Section 5.4 Main Scenario is removed</p> <p>Chapter 6 Appendices</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"> <li>- M = Major version (e.g. Approved by AC)</li> <li>- m = Minor version (e.g. changes in the process)</li> <li>- p = Patch version (e.g. wording...any changes without any impact on the process itself)</li> </ul>
v0.4.1	02/03/2016	<p>Editorial changes.</p> <p>Section 4.1 RUP Table Description</p> <p>Branch 3: At [step 5] has been replaced by <i>After [step 5] and before [step 6]</i></p> <p>Section 5 Business Processes</p> <p>Diagrams have been replaced by the new ones.</p>
v0.99.0	15/04/2016	<p>Candidate for AC Approval as agreed by the Sickness rapporteur.</p>
v0.99.1	01/06/2016	<p>Document has been updated based on remarks received during AC document review process.</p> <p>Section 4.1 RUP Table Description</p>

		Preconditions are changed.
v1.0.0	28/06/2016	Status logo set to 'Approved' following AC approval of June 20 <sup>th</sup> , 2016. Alignment to the standard description and layout of the BUC.
v1.1.0	13/06/2017	Change Request 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'
v1.1.1	20/06/2017	-Included BPMN picture in section 5
v1.1.2	29/06/2017	- 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	- Implementation of Change Request EESSI-7338: add sub-process AD_BUC_06: - Section 4.1. Updated: add branch 6 to execute AD_BUC_06 - Table 4.4 updated: use of AD_BUC_06 - 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 S014 and before receiving the S015, 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 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, 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 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 of the Sickness' sector process concerning Scheduled Treatment - Information on Coverage of Specific Benefit in Kind. 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)	<a href="#">Regulation EC No. 883/2004.pdf</a>
R2	Implementing Regulations EC (987/09)	<a href="#">Regulation EC No. 987/2009.pdf</a>

## 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 - Information on Coverage of Specific Benefit in Kind 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 - Information on Coverage of Specific Benefit in Kind business process.

Chapter 4 describes in detail the Scheduled Treatment - Information on Coverage of Specific Benefit in Kind business process based on the RUP use case template, as well as the relationship to other use cases.

Chapter 5 describes the Scheduled Treatment - Information on Coverage of Specific Benefit in Kind business process using business process modelling notation (BPMN).



## 2. Description

### 2.1. Business Scenario

When an insured person asks for an authorization to receive treatment outside the competent Member State, the competent institution, prior to issuing a portable document S2, asks an institution in the Member State where the insured person is to undergo a scheduled treatment whether the particular treatment is covered in that Member State of stay. This BUC models the exchange of information needed in the aforementioned 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 (987/09)
	20	26
S014	✓	✓
S015	✓	✓

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
<b>Case Owner</b>	In this BUC the Case Owner is Institution of the competent Member State where the insured person asks an authorization to receive an appropriate (scheduled) treatment outside the Member State of residence / competent Member State.
<b>Counterparty</b>	In this BUC The Counterparty is the Institution of the Member State of stay where the insured person is going to receive the treatment.

Table 2: Actors & Roles

## 4. Use Case

### 4.1. RUP Table Representation

<b>Use Case ID:</b>	<b>S_BUC_07</b>		
<b>Use Case Name:</b>	Scheduled Treatment - Information on Coverage of Specific Benefit in Kind		
<b>Created By:</b>	EESSI BA Team	<b>Last Updated By:</b>	EESSI BA Team
<b>Date Created:</b>	10/01/2015	<b>Publication Date:</b>	06/12/2024
<b>Actors:</b>	Case Owner Counterparty		
<b>Description:</b>	<p>This case deals with the situation when the insured person (claimant) asks for the authorization to receive an appropriate (scheduled) treatment outside the Member State of residence / competent Member State. The competent institution, prior to issuing a portable document S2, needs to know whether the particular treatment is among the benefits in kind covered by the Member State of stay.</p> <p>This case models the request for information issued by the competent institution of the competent Member State and the reply by the institution in the Member State of stay.</p>		
<b>Trigger:</b>	The insured person applies for an authorisation to the institution of the competent Member State/Member State of residence		
<b>Preconditions:</b>	The insured person has applied for an authorization for a scheduled treatment outside his/her country of residence.		
<b>Post Conditions:</b>	Competent institution is informed whether the particular treatment is covered in that Member State of stay.		
<b>Main Scenario:</b>	<p><b>Identify Participants</b></p> <ol style="list-style-type: none"> <li>1. The Case Owner identifies the Member State where the person is to undergo a scheduled treatment;</li> <li>2. The Case Owner then identifies the correct institution in the Member State of stay. There will be only one counterparty. The Case Owner and the Counterparty are herein collectively referred to as the Participants;</li> </ol> <p><b>Request for information</b></p> <ol style="list-style-type: none"> <li>3. The Case Owner fills in the Information of "Request for information if treatment is provided for by Member State of stay" (S014) entering the nature of its request (i.e. whether the treatment is provided for by the legislation of the Member State of stay and/or how much the treatment would cost);</li> <li>4. The Case Owner sends the S014 to the Counterparty;</li> </ol> <p><b>Reply to the request</b></p> <ol style="list-style-type: none"> <li>5. The Counterparty receives S014;</li> <li>6. The Counterparty fills in an "Information if treatment is provided for by Member State of stay" (S015) with the requested information (i.e. whether the treatment is provided for by the legislation of the Member State of stay, its cost, etc.);</li> <li>7. The Counterparty sends the S015 to the Case Owner;</li> <li>8. The Case Owner receives the S015;</li> <li>9. This use case ends here.</li> </ol>		

Alternative Scenarios:	<b><i>The Following Branches determine the use of Horizontally Defined Sub Processes within the Business Process</i></b>
	<b><i>Branch 1: At any step after [step 5] the Counterparty may optionally choose to request AdHoc Information from Case Owner</i></b> <ol style="list-style-type: none"> <li>1. The Counterparty executes business use case <b><i>H_BUC_01 – Adhoc Exchange of Info;</i></b></li> <li>2. [This Branch] Ends.</li> </ol>
	<b><i>Branch 2: At any step after [step 4] the Case Owner may optionally choose to request AdHoc Information from Counterparty</i></b> <ol style="list-style-type: none"> <li>1. The Case Owner executes business use case <b><i>H_BUC_01 – Adhoc Exchange of Info;</i></b></li> <li>2. [This Branch] Ends.</li> </ol>
	<b><i>The Following Branches determine the use of Administrative Defined Sub Processes within the Business Process</i></b>
	<b><i>Branch 3: After [step 5] and before [step 6], the Counterparty may optionally choose to Forward this Business Process to another Institution within its MS who assumes responsibility for changing it</i></b> <ol style="list-style-type: none"> <li>1. The Counterparty executes business use case <b><i>AD_BUC_05 – Forward Case;</i></b></li> <li>2. [This Branch] Ends.</li> </ol>
	<b><i>Branch 4: At any step after [step 5], the Case Owner may optionally choose to send a reminder in order to receive Information expected and not yet received.</i></b> <ol style="list-style-type: none"> <li>1. The Case Owner executes business use case <b><i>AD_BUC_07_ – _Reminder;</i></b></li> <li>2. [This Branch] Ends</li> </ol>
	<b><i>Branch 5: At any step after [step 5], the Counterparty may optionally choose to send a reminder in order to receive Information expected and not yet received.</i></b> <ol style="list-style-type: none"> <li>3. The Counterparty executes business use case <b><i>AD_BUC_07_ – _Reminder;</i></b></li> <li>4. [This Branch] Ends</li> </ol>
	<b><i>Branch 6: at any step after [step 4] the Case Owner may choose to advise the Counterparty that their S014 is Invalid under Art 5 of 987/09</i></b> <ol style="list-style-type: none"> <li>1. The Case Owner executes business use case <b><i>AD_BUC_06 - Invalidate_SED;</i></b></li> <li>2. Optionally, the Case Owner fills in a "Request for information if treatment is provided for by Member State of stay" (S014) by entering all the required data;</li> <li>3. Optionally, the Case Owner sends the S014, including any attachments, to the Counterparty;</li> <li>4. [This Branch] Ends</li> </ol>

<b>Exceptions:</b>	None
<b>Includes:</b>	See diagram at part 4.4
<b>Special Requirements:</b>	<p><b>SR0:</b> General Rule As the request is individualized the case can concern only one person.</p> <p><b>SR1:</b> Rules about invoking of Branches:  <u>Horizontals</u>  [Branch 1] – May be invoked more than once  [Branch 2] – May be invoked more than once</p> <p><u>Administrative</u>  [Branch 3] – May be invoked once when the first SED is received by the Counterparty and before sending the answer.  [Branch 4] – May be invoked more than once.  [Branch 5] – May be invoked more than once.</p>
<b>Assumptions:</b>	N/A
<b>Notes and Issues:</b>	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)
<b>S014</b>	S015

## 4.3. Attachments Allowed

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

SED	Attachments
<b>S014</b>	Allowed
<b>S015</b>	Allowed

## 4.4. Artefacts used

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

Artefact name	Artefact type
<b>S014</b>	SED
<b>S015</b>	SED
<b>H_BUC_01_Subprocess</b>	BUC
<b>AD_BUC_05_Subprocess – Forward Case</b>	BUC
<b>AD_BUC_06_Subprocess – Invalidate SED</b>	BUC
<b>AD_BUC_07_Subprocess – Reminder</b>	BUC
<b>AD_BUC_11_Subprocess – Business Exception</b>	BUC
<b>AD_BUC_12_Subprocess – Change of Participant</b>	BUC

## 5. Business Processes

This chapter describes the Business Use Case Scheduled Treatment - Information on Coverage of Specific Benefit in Kind using BPMN 2.0.

### 5.1. Main Process

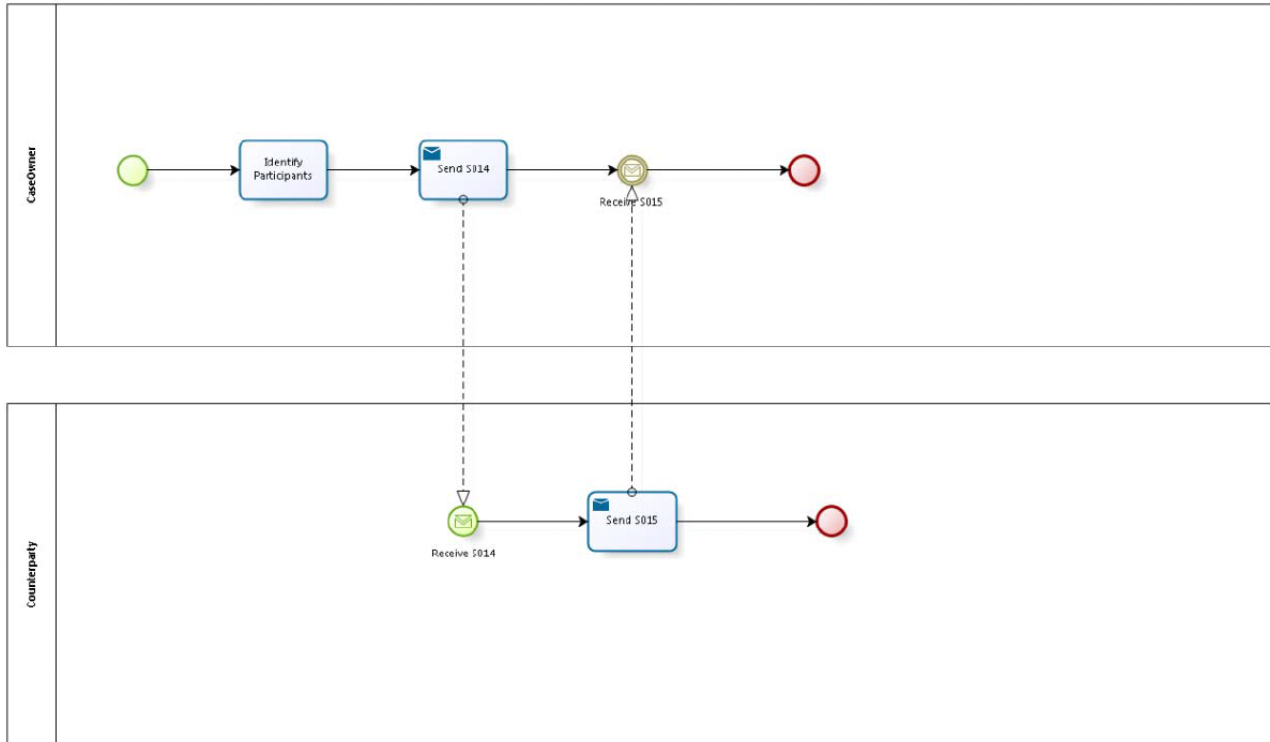


Figure 1: depicts the use case end-to-end of the Case Owner and Counterparty, from a high level, using the BPMN 2.0 collaboration diagram.

### 5.2. Sub Processes

Not applicable.

## 6. Appendices

### 6.1. Issues

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