



EESSI – CDM 4.4

H - Horizontal

H_BUC_08 - v4.4.0

Medical Information

BUC Specifications

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Document history

Version	Date	Short Description of Changes
v0.1.0	21/04/2015	Initial Draft
v0.2.0	04/01/2016	Adaptations following remarks received by J-I Samuelsson Apelgren.
v0.3.0	18/03/2016	<ul style="list-style-type: none"> - Updated the BPMN process model - Added Description of the BUC. - Added Branches related to Costs Estimations. - Added paragraphs 4.2, 4.3 and 4.5
v0.4.0	21/04/2016	<p>Following Horizontal AHG Meeting 19-20 april 2016</p> <ul style="list-style-type: none"> - Adaptation on the name of the BUC - Adaptation of Legal References
v0.5.0	25/07/2016	Alignment to the standard description and layout of the BUC.
v0.6.0	14/09/2016	<p>Typos and corrections made after comments received from AC</p> <p>Small Re-wording for Branch 1 with no impact on the process</p>
v0.7.0	26/09/2016	<p>Updated following comments received from AHG</p> <p>Branch 4 and Branch 5 modified to include 2 options.</p> <p>Branch 6 removed</p>
v0.99.0	06/10/2016	<p>Candidate for AC Approval</p> <p>The following changes have been implemented following agreement with AHG group:</p> <p>Name of the BUC: Medical Information</p> <p>Add Branch 3 to enable the Counterparty [after step 3] to ask for additional information by using H_BUC_01-</p>

		<p>SubProcess-Ad hoc Exchange of Information.</p> <p>As new branch has been added, renumbering of the following branches has been done accordingly.</p> <p>Branch 3 – became Branch 4</p> <p>Branch 4 – became Branch 5</p> <p>Branch 5 – became Branch 6</p> <p>Branch 6 – became Branch 7</p> <p>Branch 7 – became Branch 8</p> <p>Branch 8 – became Branch 9</p> <p>Branch 9 – became Branch 10</p> <p>Branch 10 - AD-BUC-09 Sub process Reject removed</p> <p>SR have been updated accordingly</p> <p>Section 4.5 table with Sub processes has been updated accordingly to include H_BUC_01_Subprocess</p>
v0.99.1	07/10/2016	Submitted for AC Approval
v1.0.0	21/10/2016	AC Approved Version
v1.0.1	29/06/2017	<p>Updated Section 5.1 Case Owner – Counterparty – added new diagram H_BUC_08_Diagram v1.0.0.5</p> <p>Deleted Sub-process section content</p> <p>Added Not Applicable</p> <p>-Replaced the reference to the BUC on Confluence.</p>
v1.0.2	21/11/2017	<p>- Updated section 4.1 RUP Table Representation: branches 5 and 6 to align invalidate wording to the standard wording;</p> <p>- Removed Section 4.4 RUP UC Diagram Representation.</p>
v4.1.0	13/07/2018	- Added missing step in main scenario and clarification in branch 1

		<ul style="list-style-type: none">- Managed H_BUC_04 subprocess in "artefacts used" table as "Not used", until CR for adding corresponding branch is approved- Deleted text in BUC's description that mentions the possibility to invoke H_BUC_04_Subprocess- 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	<ul style="list-style-type: none">• Version adaptations to release 4.4.0• CR 10895 - Possibility to invoke the sub-process H_BUC_01 more than once<ul style="list-style-type: none">– update of related SR1 Branch 3

Table of Contents

1. INTRODUCTION	7
1.1. Purpose	7
1.2. Scope	7
1.3. Definitions, Acronyms and Abbreviations	7
1.4. References	7
1.5. Overview	7
2. DESCRIPTION	8
2.1. Business Scenario	8
2.2. Legal Base	8
3. ACTORS & ROLES	9
4. USE CASE	10
4.1. RUP Table Representation	10
4.2. Request – Reply SEDS	13
4.3. Attachments Allowed	13
4.4. Artefacts used	14
5. BUSINESS PROCESSES	15
5.1. Case Owner – Counterparty	16
5.2. Sub Processes	17
6. APPENDICES	18
6.1. Issues	18

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 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.

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 Horizontal Sector process Medical Information.

The different elements like use case description, business actors, and business process as well as supporting UML diagrams and BPMN models pertaining to Medical Information.

1.3. Definitions, Acronyms and Abbreviations

Please see the EESSI Project Glossary [here](#)

1.4. References

#	Description	
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 Medical Information 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 Medical Information business process.

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

Chapter 5 describes the Medical Information business process using business process modelling notation (BPMN).

2. Description

2.1. Business Scenario

This Business Use Case is initiated by the Competent Institution to request the institution of the place of residence/stay to carry out a Medical Examination of the insured person in accordance with the procedures laid down by the legislation of the Member State of residence/stay. The institution of the latter Member State provides the competent institution with its conclusions (report of the institution's doctor) on the requested Medical Examination.

In this BUC the Case Owner is a competent institution who requires a medical evidence or examination of an insured person (claimant/beneficiary) for the purposes of assessing or checking a right/entitlement to benefits due under the legislation applicable, including specific sectorial provisions of the Regulations. When relevant, the prior request for information about the estimated costs of medical evidence/examination is possible.

2.2. Legal Base

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

1. Basic Regulation (EC) No 883/2004.
2. implementing Regulation (EC) No 987/2009.

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	Implementing Reg (987/09)						Basic Reg			
	2(2)	27(5)(6)(10)	28(3)(5)	33(1)	34(4)	87(1)(2)(4)	21	34	36(3)	82
H120	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
H121	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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	The Case Owner is a competent Institution who requires: a Medical Evidence/Examination (or also in advance the information on estimated costs of Medical Evidence/Examination) for the purposes of checking a right/entitlement under the provision of the Regulations
Counterparty	<p>In this BUC the Counterparty is an institution (usually the MS of residence/stay or another MS's competent institution(s) involved) that is requested to provide medical evidence or to carry out a medical examination, and when relevant, is formerly requested for information about the estimated costs of medical evidence/examination.</p> <p>The Counterparty provides the required medical evidence or informs about the outcomes of the requested medical examination and, when relevant, issues a requested medical report to be attached to the main reply.</p> <p>When relevant, at the request of the Case Owner the Counterparty provides in advance information on estimated costs of medical evidence/ examination.</p> <p>The SEDs concern more than one sector, therefore for each sector the Counterparty is defined on basis of specific provisions of the Regulations.</p>

4. Use Case

4.1. RUP Table Representation

Use Case ID:	H_BUC_08		
Use Case Name:	Medical Information		
Created By:	EESSI BA Team	Last Updated By:	EESSI BA Team
Date Created:	21/04/2015	Publication Date:	06/12/2024
Actors:	Case Owner Counterparty		
Description:	<p>This BUC is initiated by the competent institution to request the institution of the place of residence/stay or another MS's competent institution(s) involved to provide medical evidence or to carry out a medical examination of the person concerned for the purposes of assessing or checking a right/entitlement to benefits due under the legislation applicable, including specific sectoral provisions of the Regulations. When relevant, the prior exchange of information about the estimated costs of medical evidence/ examination is possible.</p> <p>In the reply the Counterparty provides the required medical evidence or informs about the outcomes of the requested medical examination and, when relevant, issue/s a requested medical report to be attached to the reply.</p> <p>In case of the exchange of information on estimated costs of medical evidence/ examination, the information is provided by the counterparty at the former request of the Case Owner.</p> <p>For that purpose, the following pair of SED's will be used :</p> <ul style="list-style-type: none"> - The H120 SED - Request for Medical Information - The H121 SED - Reply to Request for Medical Information / Reply to Request for Information on Estimated Costs <p>The SEDs concern more than one sector, therefore specific sections need to be filled in accordingly.</p> <p>When relevant, after this BUC the H_BUC_04 will be used to reimburse the costs of the medical examination.</p>		
Trigger:	<p>The competent institution finds it is necessary to request the institution of the place of residence/stay or another MS's competent institution(s) involved to provide a medical evidence or to carry out a medical examination of the person concerned for the purposes of assessing or checking a right/entitlement to benefits due under the legislation applicable, including specific sectoral provisions of the Regulations.</p> <p>Prior the exchange of information about the estimated costs of medical evidence/examination is possible, when relevant.</p>		
Preconditions:	The Case Owner requires a Medical Evidence / Report / Examination.		
Post conditions:	The Case Owner receives the reply to the request with the required documents, if relevant.		

Main Scenario:	<p>Identify Participants</p> <ol style="list-style-type: none"> 1. The Case Owner identifies the Member State where the Counterparty is located; 2. The Case Owner then identifies the correct institution in that Member State; <p>Send Request</p> <ol style="list-style-type: none"> 3. The Case Owner fills in a SED H120 by entering all the required information about the request; 4. The Case Owner sends the SED H120, including any attachments to the Counterparty. <p>Provide Reply</p> <ol style="list-style-type: none"> 5. The Counterparty receives the SED H120 and any attachment; 6. The Counterparty fills in SED H121 with all the relevant information and attaches all required documents; 7. The Counterparty sends the SED H121 with any attachment to the Case Owner; 7.1 The Case Owner receives the SED H121; 8. The use case ends here.
Alternative Scenarios:	<p><u>Branch 1: At [Step 3], the Case Owner may request an estimation of the costs by filling the relevant fields of H120 SED</u></p> <ol style="list-style-type: none"> 1. The Case Owner fills in a H120 SED to request for estimation of the costs; 2. The Case Owner sends the H120 SED to the Counterparty; 3. The Counterparty receives H120 SED from the Case Owner; 4. The Counterparty fills in a SED H121 and fills in the estimated costs (the amount of the estimated costs will be given in the currency of the member state of residence or stay); 5. The Counterparty sends the H121 SED back to the Case Owner; 6. If the Case Owner <u>agrees</u> to cover the costs then fills in a new instance of H120 SED to request Medical Report by specifying acceptance in Section relevant section of the H120 SED; 7. The Case Owner sends H120 SED to the Counterparty, including any attachments; <p>[This Branch Ends] and Reverts to <u>Step 5</u> of the Main Scenario.</p> <p><u>Branch 2: At [Step 6] of Branch 1, if the Case Owner does not agree on the costs and decides not to request for medical evidence/ examination, then he closes the BUC</u></p> <ol style="list-style-type: none"> 1. The Case Owner executes the business use case AD_BUC_01_SubProcess – Close; 2. [This Branch] Ends. <p><u>The Following Branches determine the use of Horizontally Defined Processes within this Business Process</u></p>

	<p><u>Branch 3:</u> at any step after [step 3], any participant may choose to Request AdHoc Information from the other participant</p> <ol style="list-style-type: none"> 1. The participant executes business use case <i>H_BUC_01_Subprocess – AdHoc Exchange of Information;</i> 2. [This Branch] Ends.
	<p><u>The Following Branches Determine the use of Administrative Processes within this Business Process</u></p>
	<p><u>Branch 4:</u> at any step between [step 3] and [step 8] the Counterparty may choose to Forward this Business Use Case to another Competent Institution within their MS who assumes responsibility for handling it</p> <ol style="list-style-type: none"> 1. The participant executes business use case <i>AD_BUC_05 – Forward Case;</i> 2. [This Branch] Ends.
	<p><u>Branch 5:</u> at any step after [step 4] the Case Owner may choose to advise the Counterparty of their H120 that it is invalid under Art 5 of 987/09 .</p> <ol style="list-style-type: none"> 1. The Case Owner executes business use case <i>AD_BUC_06-SubProcess - Invalidate_SED;</i> 2. Optionally, the Case owner fills in "Request for Medical Information" (H120) by entering all required data; 3. Optionally, the Case Owner sends the H120 to the Counterparty; 4. [This Branch] Ends.
	<p><u>Branch 6:</u> at any step after [step 7] the Counterparty may choose to advice the Case Owner of their H121 that it is invalid under Art 5 of 987/09</p> <ol style="list-style-type: none"> 1. The Counterparty executes business use case <i>AD_BUC_06 - SubProcess Invalidate_SED;</i> 2. Optionally, the Case Owner fills in " Reply to Request for Medical Information / Reply to Request for Information on Estimated Costs " (H121) by entering all required data; 3. Optionally, the Case Owner sends the H121 to the Counterparty. 4. [This Branch] Ends.
	<p><u>Branch 7: [Removed]</u></p>
	<p><u>Branch 8:</u> at any step after [step 3] the Counterparty may choose to send an updated version of the H121 SED</p> <ol style="list-style-type: none"> 1. The Case Owner executes business use case <i>AD_BUC_010 - Update_SED;</i>

	2. [This Branch] Ends.
	<p><i>Branch 9: at any step after [step 4] any Participant may optionally choose to send a Reminder to the other participant for the return of information they were expecting from that participant but did not receive.</i></p> <p>1. The participant who invokes this branch executes business use case <i>AD_BUC_07 - _Reminder;</i></p> <p>2. [This Branch] Ends.</p>
	<i>Branch 10: [Removed]</i>
Exceptions:	None
Includes:	See section part 4.4
Special Requirements:	<p>SR1: Rules about the invoking of Branches:</p> <p>[Branch 1] – May be invoked once</p> <p>[Branch 2] – May be invoked once</p> <p>[Branch 3] – May be invoked more than once</p> <p>[Branch 4] – May be invoked more than once</p> <p>[Branch 5] – May be invoked more than once (provided a new SED H120 has been created after invalidation)</p> <p>[Branch 6] – May be invoked more than once (provided a new SED H121 has been created after invalidation)</p> <p>[Branch 8] – May be invoked more than once</p> <p>[Branch 9] – May be invoked more than once</p> <p>SR2: Alternative Branches 1 – 9 are non-interrupting Branches;</p>
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)
H120	H121

4.3. Attachments Allowed

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

SED	Attachments
H120	Allowed
H121	Allowed

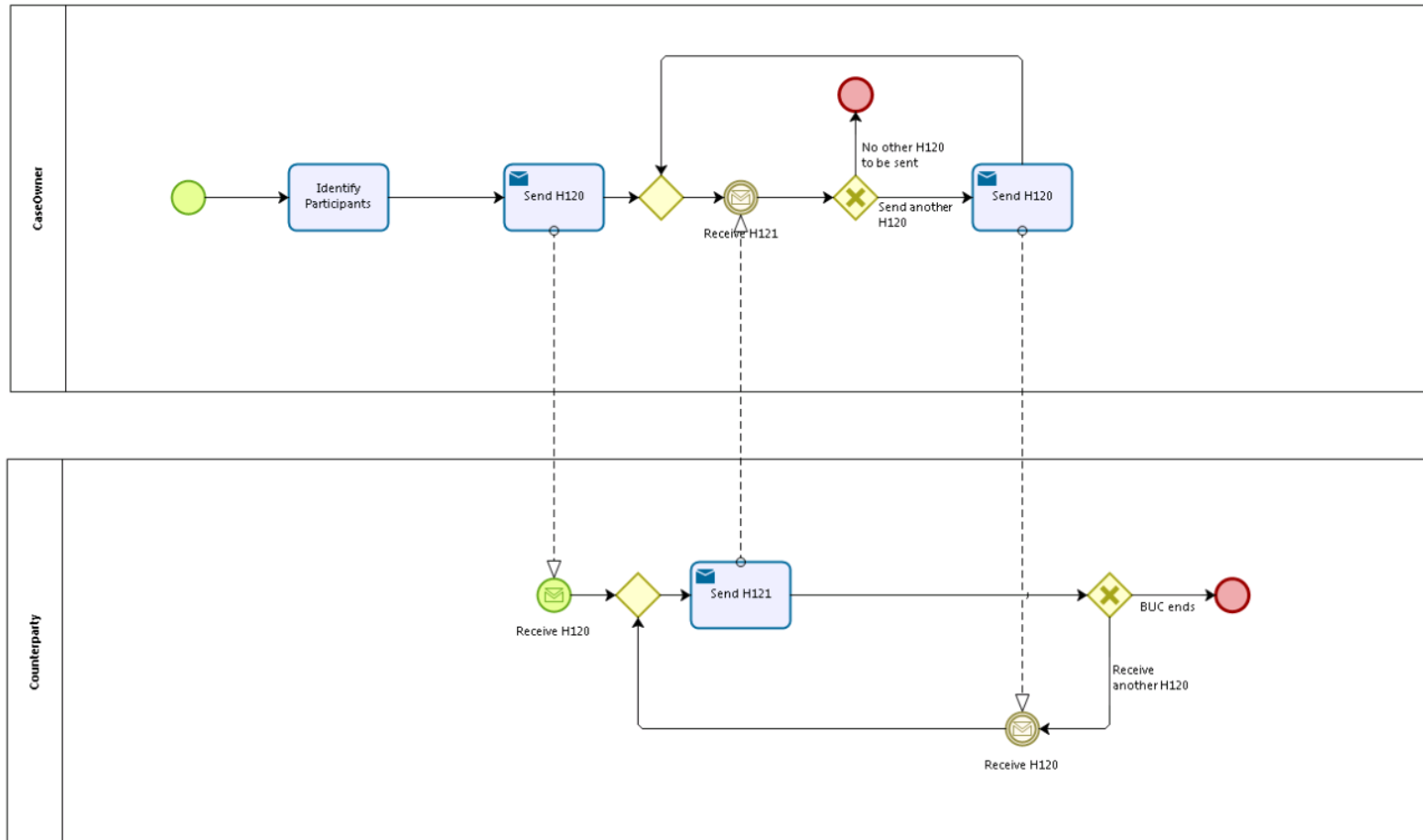
4.4. Artefacts used

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

Artefact name	Artefact type
H120	SED
H121	SED
H_BUC_01_Subprocess	BUC spec
AD_BUC_01_Subprocess – Close Case	BUC spec
AD_BUC_05_Subprocess – Forward Case	BUC spec
AD_BUC_06_Subprocess – Invalidate SED	BUC spec
AD_BUC_07_Subprocess – Reminder	BUC spec
AD_BUC_10_Subprocess – Update SED	BUC spec
AD_BUC_11_Subprocess – Business Exception	BUC spec
AD_BUC_12_Subprocess – Change of Participant	BUC spec

5. Business Processes

This chapter describes the Business Use Case Medical Information using BPMN 2.0.



5.2. Sub Processes

Not Applicable.

6. Appendices

6.1. Issues

#	Issue date	Description	Replies	Action/Resolution	Close date
1	04/01/2016	<u>Comment received from J-I.S.A:</u> When the counterparty receives the first H120 they start the arrangement with the doctor/hospital. The doctor/hospital book an appointment with the person concerned and makes the necessary preparations. If an updated request arrives it would probably mean that all arrangements have to be redone meaning that the update is to be considered a new request. You need to think about that.		To be discussed with all interested sectorial AHGs	
2	21/04/2016	In case of pensions there may be more than one counterparty so we need to take it into account even if in S and DA sectors there will be always one Counterparty.		we agree that there is only one counterparty and if more institutions are involved like in P sector a new BUC should be opened in regard to each P institution involved.	
3	21/04/2016	A very important comment. Need to be discussed also with other sectorial AHGs to decide if we really want update.If a sent SED covers information on basis of which money will be paid/recovered/ reimbursed or the right will be established or some other time consuming procedures will be run, it should be limited in my opinion to situations regarding a basic mistake but not a change in crucial info or a nature/ scope of the request. For me it is safer to invalidate the whole SED and send a new one here. This logic was used in some AHGs in regard for sure to reimbursement SEDs. But maybe update can be justified when there will be a clear information (now we have it) that updated SEDs are versioned (the latter does not replace the		We need some intersectoral agreements to have common understanding and therefore rules in all BUCs	

		former) and how should we act when we have received updated version but have already acted based on the "original one" – should it depend purely on the knowledge and expertise of the clerk or should there be a possibility to first answer to the original SED and in addition to an updated one? In case of bared costs of such actions, will the versioning of updated SEDs be enough as a proof / basis we acted in good faith on basis of a request/information valid at time we performed actions?			
4	24/06/2016	Conversion of BPMN model to split between Case Owner and Counterparty		Scheduled for Update	
5.	27/09/2016	Usage of AD-BUC-09 Subprocess Reject		The usage of AD-BUC-09 Subprocess Reject has been discussed with AHG members. It was decided this will not be used in this BUC but SED will be updated accordingly.	