



EESSI – CDM 4.4

H - Horizontal

H_BUC_09 - v4.4.0

Notification of Medical Information

BUC Specifications

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Document history

Version	Date	Short Description of Changes
v0.1.0	05/12/2016	Initial draft
v0.2.0	12/12/2016	Updated following comments received during AHG Horizontal meeting
v0.3.0	06/01/2017	Alignment to the standard description and layout of the BUC.
v0.4.0	21/02/2017	<p>Updates following comments received from AC and agreed with AHG</p> <p>Update Point 1 of Main Scenario to: 1. The Case Owner identifies the EU Member State where the notification of Medical Information (A Medical Report) has to be sent by the doctors of the MS where the person resides or stays.</p> <p>Branch 1 updated</p> <p>Legal Base updated</p> <p>Branch 5 added – Admin BUC Reminder</p>
v0.99.0	27/02/2017	Candidate for AC Approval
v1.0.0	16/03/2017	AC Approved version
v1.0.1	29/06/2017	<p>Updated 5.1 chapter's name to 5.1 – Business Processes – Case Owner – Counterparty and updated its content with the new BPMN diagram: H_BUC_09_Diagram v0.99.0.3.</p> <p>Removed chapter 5.2 Case Counterparty.</p> <p>-Replaced the reference to the BUC on Confluence.</p>
v1.1.0	01/12/2017	<p>- Updated section 4.1 RUP Table Representation with following clarifications: branches 2 and 3 to align forward and invalidate wording to the standard wording;</p> <p>- Removed Section 4.4 RUP UC Diagram Representation.</p> <p>- Included H_BUC_04 and H_BUC_10 (as not used for this BUC) in table "Sub processes' Table.</p> <p>- Section 5: rephrase introduction text for this section to the standard text.</p> <p>Updated following Change Request for "H_BUC_09 – Forward Case is missing for the Counterparty ", see JIRA EESSI-2195"</p>

		- Updated branch 2 + updated the Special Requirement 1 for branch 2.
v4.1.0	31/08/2018	- 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

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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 horizontal sector process of Notification of 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 Notification of 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

Chapter1 introduces the external view on the business system under review and lists the elements of this specification.

Chapter 2 introduces the Notification of Medical Information 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 Notification of Medical Information business process.

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

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

2. Description

2.1. Business Scenario

H_BUC_09 is a business process that allows institutions to send Notification of Medical Information (A Medical Report) usually prepared by the doctors of the MS where the person resides.

2.2. Legal Basis

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)		
	82	87	34(2)(4)	26
H121	✓	✓	✓	✓

Table 1: SED – Legal base relationship matrix

3. Actors & Roles

This chapter captures details of the actors which are important to understanding 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 an Institution who sends Medical Information for the purposes of checking and assessing a right/entitlement under the provision of the Regulations
Counterparty	In this BUC the Counterparty is an Institution who receives the medical information.

4. Use Case

4.1. RUP Table Representation

Use Case ID:	H_BUC_09		
Use Case Name:	Notification of Medical Information		
Created By:	EESSI BA Team	Last Updated By:	EESSI BA Team
Date Created:	05/12/2016	Last Revision Date:	06/12/2024
Actors:	Case Owner Counterparty		
Description:	H_BUC_09 is a business process that allows for Notification of Medical Information (A Medical Report) prepared by the doctors of the (institutions of the) MS where the person resides or stays.		
Trigger:	An Institution wishes to provide another / other Institution(s) with Medical Information.		
Preconditions:	A change of circumstances has occurred in the medical condition of the person.		
Post conditions:	The Institution received the Medical Information.		
Main Scenario:	Identify Participants <ol style="list-style-type: none"> 1. The Case Owner identifies the EU Member State where the notification of Medical Information (A Medical Report) has to be sent by the doctors of the MS where the person resides or stays. 2. The Case Owner then identifies the correct institution (the Counterparty) or institutions who receive the medical information. 3. The Case Owner fills out a Notification of Medical Information / Reply to request for Medical Information (SED H121) by entering all the required information; 4. The Case Owner sends the H121, including any attachments, to the Counterparty (s); 5. The Counterparty (s) receives the Notification of Medical Information / Reply to request for Medical Information (H121), including any attachments. <p>The use case ends here.</p>		
Alternative Scenarios:	<u>Following Branches Determine the use of Horizontal Processes within this Business Process</u>		
	<u>Branch 1: After [step 5] Counterparty may optionally choose to request Ad Hoc Information from Case Owner</u> <ol style="list-style-type: none"> 1. The Counterparty executes business use case H_BUC_01 – Ad Hoc Exchange of Info; 2. [This Branch] Ends. 		

	<u>Following Branches Determine the use of Administrative Processes within this Business Process</u>
	<p><u>Branch 2:</u> At any step after step [5], the Counterparty may choose to Forward this Business Process to another Competent Institution within their MS who assumes responsibility for handling it.</p> <ol style="list-style-type: none"> 1. The Counterparty executes Business Use Case AD_BUC_05_Forward Case; 2. [This Branch] Ends.
	<p><u>Branch 3:</u> At any step after [step 4] the Case Owner may choose to advise all recipients of their H121 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 <u>AD_BUC_06_subProcess Invalidate SED;</u> 2. Optionally, the Case Owner fills in Notification of Medical Information / Reply to request for Medical Information (SED H121) by entering all the required data; 3. Optionally, the Case Owner sends the H121, including any attachments, to the Counterparty (s); 4. [This Branch] Ends.
	<p><u>Branch 4:</u> at any step after [step 4] the Case Owner may choose to send an updated version of H121</p> <ol style="list-style-type: none"> 1. The Case Owner executes business use case <u>AD_BUC_010 - subProcess Update_SED;</u> 2. [This Branch] Ends.
	<p><u>Branch 5:</u> at any step after 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.</p> <ol style="list-style-type: none"> 1. The participant who invokes this branch executes business use case <u>AD_BUC_07_Subprocess _Reminder;</u> 2. [This Branch] Ends.
Exceptions:	None
Includes:	See section 4.4
Special Requirements:	<p>SR1: Rules about the invoking of Branches:</p> <p>[Branch 1] – May be invoked more than once</p> <p>[Branch 2] – May be invoked more than once</p> <p>[Branch 3] – May be invoked more than once (provided a new SED H121 has been created after invalidation)</p>

	<p>[Branch 4] – May be invoked more than once</p> <p>[Branch 5] – May be invoked more than once</p> <p>SR2: Rules about the destination for each SED Type:</p> <p>H121 – Defines and is sent to all Active Participants</p> <p>SR3: The term "Send/Sent to All Active Participants" does not include sending it himself (i.e. to the senders institution)</p>
Assumptions:	N/A
Notes and Issues:	N/A

4.2. Request – Reply SEDs

The following table specifies 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 Allowed

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

SED	Attachments
H121	Allowed

4.4. Artefacts used

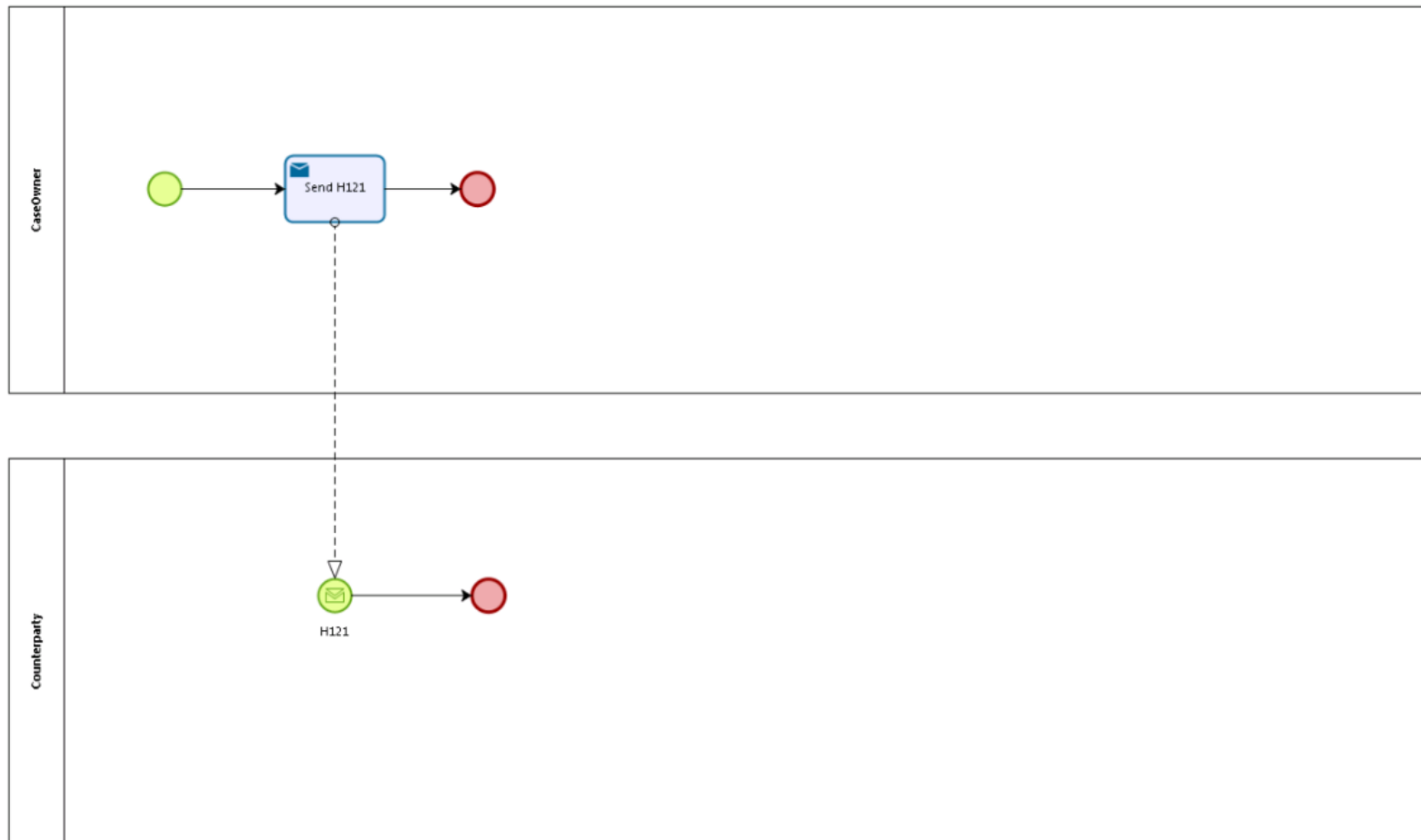
The following table specifies the artefacts that are used in this Business Use Case.

Artefact name	Artefact type
H121	SED
H_BUC_01_Subprocess	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 Notification of Medical Information using BPMN 2.0.

5.1. Case Owner - Counterparty



5.2. Sub Processes

Not applicable

6. Appendices

6.1. Issues

N/A