



EESSI – CDM 4.4

H - Horizontal

H_BUC_08_Subprocess - v4.4.0

Exchange of Medical Data

BUC Specifications

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Document history

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v0.1.0	21/10/2015	Initial Draft
v0.2.0	13/07/2016	Added Section 2.1 Business Scenario Added Section 2.2 Legal Base Updated Section 3. Actors & Roles Updated Sections 4.2, 4.3, 4.4
v0.99.0	27/09/2016	Submitted for AC Approval
v1.0.0	21/10/2016	AC Approved Version
v1.0.1	30/06/2017	Updated BPMN diagram in "Section 5. Business Processes" to correspond to the described process. - Adapted reference to BUC confluence page in Configuration Management
v1.0.2	21/11/2017	Updated section 4.1 RUP Table Representation: branches 1 and 2 to align invalidate wording to the standard wording.
v4.1.0	23/07/2018	- Added missing step in main scenario - 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 Exchange of Medical Data. The different elements like use case description, actors, and business process as well as supporting UML diagrams and BPMN models pertaining to the ending of a process.

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 us to the Exchange of Medical Data 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 Exchange of Medical Data business process.

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

Chapter 5 describes the Exchange of Medical Data business process using business process modelling notation (BPMN).

2. Description

2.1. Business Scenario

H_BUC_08_Subprocess is a subprocess that allows for the exchange of Medical Information (A Medical Report) prepare by the doctors of the MS where the person resides.

2.2. Legal Base

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

1. Implementing Regulation (EC) No 987/2009 Article 2 (2) [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	Implementing Regulation
	20 (2)
H120	✓
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
Triggering Participant	The Triggering Participant is an Institution who requires a Medical Examination for the purposes of checking a right/entitlement under the provision of the Regulations
Other Participant(s)	Other Participant is an Institution (usually the MS of Residence) that is requested to carry out a medical examination of a citizen.

Table 2: Actors & Roles

4. Use Case

4.1. RUP Table Representation

Use Case ID:	H_BUC_08_Subprocess		
Use Case Name:	Exchange of Medical Data		
Created By:	EESSI BA Team	Last Updated By:	EESSI BA Team
Date Created:	21/10/2015	Publication Date:	06/12/2024
Actors:	Triggering Participant Other Participant(s)		
Description:	H_BUC_08_Subprocess is a subprocess that allows for the exchange of Medical Information (A Medical Report) prepare by the doctors of the MS where the person resides.		
Trigger:	An Institution needs a medical report on the person to determine its claim		
Preconditions:	A case exists and triggers this BUC.		
Post conditions:	The Triggering Participant has the Medical Report they need to check a right/entitlement under the provision of the Regulations		
Main Scenario:	<ol style="list-style-type: none"> 1. The Triggering Participant fills out an Request for Medical Report (H120) by entering all the required information about the required Medical Report including whether the Report should be a Short or Detailed examination ; 2. The Triggering Participant sends the H120, including any attachments, to the Other Participant; 3. The Other Participant will receive the Request for Medical Report (H120), and any and all attachments, and undertake any national arrangement to have the person medically examined; 4. The Other Participant fills out a Medical Report (H121) by entering all the required administrative information about the Medical Examination that has taken place and to this attaches the Medical Report (Short or Detailed) the to SED; 5. The Other Participant sends the H121 and Medical Report attachment to the Triggering Participant; 6. The Triggering Participant receives the SED H121; <p>The use case ends here.</p>		
Alternative Scenarios:	<u>The Following Branches Determine the use of Administrative Processes within this Business Process</u>		
	<p><u>Branch 1: at any step after [step 2] the Triggering Participant may choose to advise all recipients of their H120 that it is Invalid under Art 5 of 987/09</u></p> <ol style="list-style-type: none"> 1. The Triggering Participant executes business use case AD_BUC_06_Subprocess - Invalidate SED; 		

	<ol style="list-style-type: none"> 2. Optionally, the Triggering Participant fills in a Request for Medical Report (H120) by entering all the required data; 3. Optionally, the Triggering Participant sends the H120, including any attachments, to the other Participant; 4. [This Branch] Ends.
	<p><i>Branch 2: at any step after [step 5] the Other Participant(s) may choose to advise all recipients of their H121 that it is Invalid under Art 5 of 987/09</i></p> <ol style="list-style-type: none"> 1. The Other Participant executes business use case AD_BUC_06_Subprocess - Invalidate SED; 2. Optionally, the other Participant fills in a Medical Report (H121) by entering all the required data; 3. Optionally, the other Participant sends the H121 and Medical Report attachment to the Triggering Participant; 4. [This Branch] Ends.
	<p><i>Branch 3: at any step after [step 2] the Triggering Participant may choose to send an updated version of H120</i></p> <ol style="list-style-type: none"> 1. The Triggering Participant executes business use case AD_BUC_10_Subprocess - Update_SED; 2. [This Branch] Ends.
	<p><i>Branch 4: at any step after [step 5] the other Participant(s) may choose to send an updated version of H121</i></p> <ol style="list-style-type: none"> 1. The Other Participant executes business use case AD_BUC_10_Subprocess - Update_SED; 2. [This Branch] Ends.
Exceptions:	N/A
Includes:	This BUC is exclusively used as an <<include>> in other sectorial business processes.
Special Requirements:	<p>SR1: Rules about the invoking of Branches:</p> <p>[Branch 1] – May be invoked more than once (provided a new SED H120 has been created after invalidation)</p> <p>[Branch 2] – May be invoked more than once (provided a new SED H121 has been created after invalidation)</p> <p>[Branch 3] – May be invoked more than once</p> <p>[Branch 4] – 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)
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
H120	Allowed

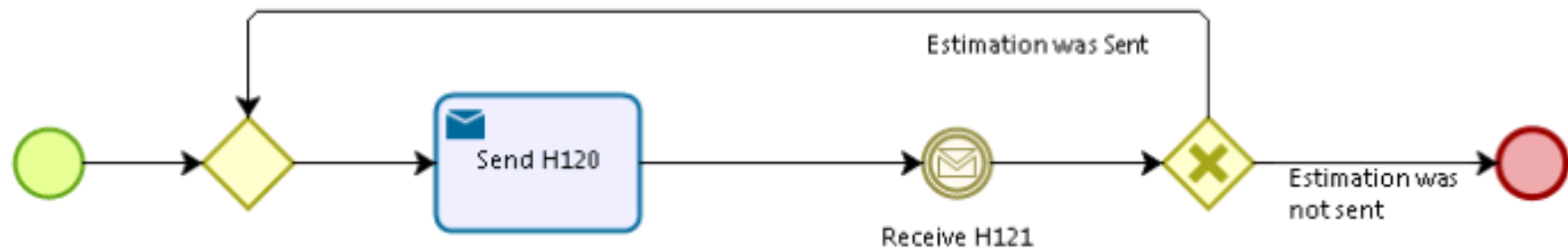
4.4. Artefacts used

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

Artefact name	Artefact type
H120	SED
H121	SED

5. Business Processes

The following model describes the Business Use Case Exchange of Medical Data subprocess using BPMN 2.0.



6. Appendices

6.1. Issues

N/A