|  |  |
| --- | --- |
| empl_colour_en | logo_ce-en-quadri |

APPROVED

EESSI Business Use Case

*H\_BUC\_09\_Subprocess Notification of Medical Information*





**Table of Contents**

[1. Introduction 4](#_Toc523501348)

[1.1. Purpose 4](#_Toc523501349)

[1.2. Scope 4](#_Toc523501350)

[1.3. Definitions, Acronyms and Abbreviations 4](#_Toc523501351)

[1.4. References 5](#_Toc523501352)

[1.5. Overview 5](#_Toc523501353)

[2. Description 6](#_Toc523501354)

[2.1. Business Scenario 6](#_Toc523501355)

[2.2. Legal Base 6](#_Toc523501356)

[3. Actors & Roles 7](#_Toc523501357)

[4. Use Case 8](#_Toc523501358)

[4.1. RUP Table Representation 8](#_Toc523501359)

[4.2. Request – Reply SEDs 10](#_Toc523501360)

[4.3. Attachments Allowed 10](#_Toc523501361)

[4.4. Artefacts used 10](#_Toc523501362)

[5. Business Processes 11](#_Toc523501363)

[6. Appendices 12](#_Toc523501364)

[6.1. Issues 12](#_Toc523501365)

**Document Control Information**

|  |  |
| --- | --- |
| **Settings** | **Value** |
| **Document Title:** | **Business Use Case****H\_BUC\_09\_Subprocess - Notification of Medical Information** |
| **Project Title:** | **EESSI (Electronic Exchange of Social Security Information) Project** |
| **Document Author:** | **European Commission, DG EMPL F5** |
| **System Owner:**  | **European Commission, DG EMPL D2** |
| **Doc. Version:**  | **v4.1.0** |
| **Sensitivity:**  | **Public** |
| **Date:**  | **31/08/2018** |

**Document history:**

The Document Author is authorized to make the following types of changes to the document without requiring that the document be re-approved:

* Editorial, formatting, and spelling
* Clarification

To request a change to this document, contact the Document Author or Owner.

|  |  |  |  |
| --- | --- | --- | --- |
| **Revision** | **Date** | **Created by** | **Short Description of Changes** |
| v0.1.0 | 10/03/2016 | Phil Cummings | Initial Draft |
| v0.2.0 | 15/07/2016 | Anda Mirita | Added Section 2.1 Business ScenarioAdded Section 2.2 Legal BaseUpdated Section 3. Actors & RolesUpdated Sections 4.2, 4.3, 4.4 |
| v0.3.0 | 21/11/2016 | Anda Mirita | Updates following comments received from AHG:Change of title of BUC from "Notification of Medical Data" to "Notification of Medical Information"Other Participant (s) has been updated |
| v0.99.0 | 08/12/2016 | Anda Mirita | **Submitted for AC Approval** |
| v1.0.0 | 15/12/2016 | Anda Mirita | **AC Approved Version** |
| v1.0.1 | 30/06/2017 | Dragos Gorjan | 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 | Heidi Warson | Updated section 4.1 RUP Table Representation: branch 2 to align invalidate wording to the standard wording. |
| v4.1.0 | 31/08/2018 | Novella Bacelli | - Section 4.4 merged 2 tables (for SED & for Subprocesses) into 1 BUC Artefact table."- Version adaptations to release 4.1.0 |

# Introduction

## 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 and 987/2009. 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 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.

## Scope

This document is limited to the external view on the horizontal sector process Notification of Medical Information. 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.

## Definitions, Acronyms and Abbreviations

Please see the [EESSI Project Glossary.](https://webgate.ec.europa.eu/CITnet/confluence/display/EESSI/Project%2BInformation%2Bfor%2BStakeholders)

## References

|  |  |  |
| --- | --- | --- |
| **#** | **Description** |  |
| 1 | EC Regulation 883/2004 | [Regulation EC No 883- 2004.pdf](file:///C%3A/Users/kaufmal/AppData/Local/Microsoft/Windows/amadere/AppData/Local/3.Specifications/1-Legal%20Base/Regulation%20EC%20No%20883-%202004.pdf) |
| 2 | EC Regulation 987/2009 | [Regulation EC No 987-2009.pdf](file:///C%3A/Users/kaufmal/AppData/Local/Microsoft/Windows/amadere/AppData/Local/3.Specifications/1-Legal%20Base/Regulation%20EC%20No%20987-2009.pdf) |
| 3 | UML 2.x | <http://www.omg.org/spec/UML/> |
| 4 | BPMN 2.0 | <http://www.omg.org/spec/BPMN/index.htm> |
| 5 | UML 2.0 In Action | Henriette Baumann, Patrick Grassle & Philippe Baumann, 2005, ISBN 1904811558 |
| 6 | RUP@EC standard 5.0 | <http://www.cc.cec/RUPatEC_Standard/> |
| 7 | RUP op maat | <http://www.rupopmaat.nl/> |

## 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 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).

# Description

## Business Scenario

H\_BUC\_09\_Subprocess is a subprocess that allows institutions to send Notification of Medical Information (A Medical Report) usually prepared by the doctors of the MS where the person resides.

## Legal Base

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

1. Implementing Regulation (EC) No 987/2009 Article 87.

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** |
| **87** |
| H121 | **✓** |

Table 1: SED – Legal base relationship matrix

# 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 sends Medical Information for the purposes of checking a right/entitlement under the provision of the Regulations |
| ***Other Participant(s)*** | Other Participant is an Institution who receives the medical information. |

Table 2: Actors & Roles

# Use Case

## RUP Table Representation

|  |  |
| --- | --- |
| **Use Case ID:** | **H\_BUC\_09\_Subprocess** |
| **Use Case Name:** | Notification of Medical Information |
| **Created By:** | Phil Cummings | **Last Updated By:** | Novella Bacelli |
| **Date Created:** | 10/03/2016 | **Last Revision Date:** | 31/08/2018 |
| **Actors:** | Triggering ParticipantOther Participant(s) |
| **Description:** | H\_BUC\_09\_Subprocess is a subprocess that allows for Notification of Medical Information (A Medical Report) examined by the doctors of the MS where the person resides or stays.  |
| **Trigger:** | An Institution wishes to provide another / other Institution(s) with Medical Information. |
| **Preconditions:** | A case exists and triggers this BUC. |
| **Post conditions:** | The other Participant(s) has (have) received the Medical Information. |
| **Main Scenario:** | 1. The Triggering Participant fills out a Reply/ Notification for Medical Information (H121) by entering all the required information;
2. The Triggering Participant sends the H121, including any attachments, to the other Participant (s);
3. The other Participant (s) will receive the Reply/Notification for Medical Information (H121), including any attachments.

**The use case ends here.** |
| **Alternative Scenarios:** | ***The Following Branches Determine the use of Administrative Processes within this Business Process*** |
|  | ***Branch 2: At any step after [step 2] the Triggering Participant may choose to advise of their H121 that it is Invalid under Art 5 of 987/09***1. The Triggering Participant executes business use case ***AD\_BUC\_06\_ subProcess Invalidate SED;***
2. Optionally, the Triggering Participant fills in a Reply/ Notification for Medical Information (H121) by entering all the required data;
3. Optionally, the Triggering Participant sends the H121, including any attachments, to the other Participant(s);
4. [This Branch] Ends.
 |
|  | ***Branch 3: at any step after [step 2] the Triggering Participant may choose to send an updated version of H121***1. The Case Owner executes business use case ***AD\_BUC\_010 - subProcess Update\_SED;***
2. [This Branch] Ends.
 |
| **Exceptions:** |  |
| **Includes:** | This BUC is exclusively used as an <<include>> in other sectorial business processes. |
| **Special Requirements:** | **SR1**: Rules about the invoking of Branches: [Branch 2] – May be invoked more than once (provided a new SED H121 has been created after invalidation)[Branch 3] – May be invoked more than once **SR2**: Rules about the destination for each SED Type:H121 – Defines and is sent to all Active Participants**SR3**: The term "Send/Sent to All Active Participants" does not include sending it himself (i.e. to the senders institution) |
| **Assumptions:** |  |
| **Notes and Issues:** |   |

## 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)** |
|  |  |

## Attachments Allowed

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

|  |  |
| --- | --- |
| **SED** | **Attachments** |
| **H121** | Allowed |

## Artefacts used

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

|  |  |
| --- | --- |
| **Artefact name** | **Artefact type** |
| **H121** | **SED** |

# Business Processes

The following model describes the Business Use Case Notification of Medical Information subprocess using BPMN 2.0.



# Appendices

## Issues

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **#** | **Issue date** | **Description** | **Replies** | **Action/Resolution** | **Close date** |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  |  |  |  |  |
| 5 |  |  |  |  |  |
| 6 |  |  |  |  |  |
| 7 |  |  |  |  |  |
| 8 |  |  |  |  |  |
| 9 |  |  |  |  |  |