



EESSI – CDM 4.4

H - Horizontal

H_BUC_01_Subprocess - v4.4.0

Ad-hoc Exchange of Information

BUC Specifications

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v0.1.0	10/04/2015	Initial Draft
v0.2.0	11/07/2016	Updated Table of Contents Added EESSI Project Glossary link Update Section 4.1 Added Sections 4.2, 4.3, 4.4.
v0.99.0	27/09/2016	No comments received 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. Included the diagram of the BPMN version used. -Replaced the reference to the BUC on Confluence.
v1.0.2	03/11/2017	Updated section 4.1 RUP Table Representation: branches 3 and 4 to align invalidate wording to the standard wording.
v4.1.0	24/08/2018	- 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 Adhoc Exchange of 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.

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 Determine Residence – Request for information on Residence 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 Determine Residence – Request for information on Residence business process.

Chapter 4 describes in detail the Determine Residence – Request for information on Residence business process based on the RUP use case template, as well as the relationship to other use cases.

Chapter 5 describes the Determine Residence – Request for information on Residence business process using business process modelling notation (BPMN).

2. Description

2.1. Business Scenario

H_BUC_01_Subprocess is a subprocess that is used to request, or communicates, information based on the general cooperation requirements described in Article 76 of the basic Regulation (EC) No 883/2004 within an existing sectorial Case.

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.

	Basic Reg (883/04)
SED	Article 76
H001	✓
H002	✓

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 active participant in the main process who triggers this BUC. This will be an Institution where the main process permits their role to do so
Other Participant(s)	Other Participant(s) represents all other active participants in the main process. This will be one or more Institutions as determined by the main process.

Table 2: Actors & Roles

4. Use Case

4.1. RUP Table Representation

Use Case ID:	H_BUC_01_Subprocess		
Use Case Name:	Adhoc Exchange of Information		
Created By:	EESSI BA Team	Last Updated By:	EESSI BA Team
Date Created:	21/04/2014	Publication Date:	06/12/2024
Actors:	Triggering Participant Other Participant(s)		
Description:	H_BUC_01_Subprocess is a sub-process that is used to request, or communicates, information based on the general cooperation requirements described in Article 76 of the basic Regulation (EC) No 883/2004 within an existing sectorial Case.		
Trigger:	An Institution wishes to request, or communicate information, with another Institution.		
Preconditions:	A case exists and triggers this BUC.		
Post conditions:	The Triggering Participant received the information or communicated the information to other Participant(s).		
Main Scenario:	<ol style="list-style-type: none"> 1. The Triggering Participant fills in a Request For Additional Information (H001) by entering all the required information; 2. The Triggering Participant sends the H001, including any attachments, to all Other Participant(s); 3. Each Other Participant(s) receives and reviews the H001; 4. Each Other Participant(s) optionally may choose to fill in a Reply To Request For Information (H002) by entering all the required information; 5. Each Other Participant(s) who filled in a H002 sends their H002, including any attachments, to the Triggering Participant and any Other Participant(s) 6. Triggering Participant (and Other Participant(s)) receive the H002; <p>The use case ends here.</p>		
Alternative Scenarios:	<u>The Following Branches determine the use of Administrative Defined Processes within this Business Process</u>		
	<p><u>Branch 1: at any step after [step 2] the Triggering Participant may choose to send an updated version of H001</u></p> <ol style="list-style-type: none"> 1. The Case Owner executes business use case AD_BUC_10_Subprocess - Update_SED 2. [This Branch] Ends. 		

	<p><i>Branch 2: at any step after [step 4] one of the other Participant(s) may choose to send an updated version of H002</i></p> <ol style="list-style-type: none"> 1. The Case Owner executes business use case <i>AD_BUC_10-Subprocess - Update_SED</i> 2. [This Branch] Ends. <p><i>Branch 3: At any step after [step 2], the Triggering Participant may choose to advise all recipients of their H001 that it is Invalid under Art 5 of 987/09</i></p> <ol style="list-style-type: none"> 1. The Triggering Participant executes business use case <i>AD_BUC_06_Subprocess - Invalidate SED;</i> 2. Optionally, the Triggering Participant fills in a Request For Additional Information (H001) by entering all the required data; 3. Optionally, the Triggering Participant sends the H001, including any attachments, to all other Participant(s); 4. [This Branch] Ends. <p><i>Branch 4: At any step after [step 4], one of the other Participant(s) may choose to advise all recipients of their H002 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 <i>AD_BUC_06_Subprocess - Invalidate SED;</i> 2. Optionally, the other Participant fills in a Reply To Request For Information (H002) by entering all the required data; 3. Optionally, the other Participant sends the H002, including any attachments, to the Triggering Participant and any Other Participant(s); 4. [This Branch] Ends.
Exceptions:	<u>N/A</u>
Includes:	This BUC is exclusively used as an <<include>> in other sectorial business processes.
Special Requirements:	<p>SR1: H001 can be used to request/notify information; H002 can only be sent after receiving an H001;</p> <p>SR2: Rules about the invoking of Branches: The Main Scenario can be invoked more than once by the Triggering Participant [Branch 1] may be invoked more than once; [Branch 2] may be invoked more than once; [Branch 3] – May be invoked more than once; [Branch 4] – May be invoked more than once;</p> <p>SR3: Rules about the destination for each SED type; H001 must be sent to all other Participant (s);</p>

	H002 may be sent to one or more Active Participants; SR4: The term "Send/Sent to All Active Participants" does not include sending it himself (i.e. to then senders institution);
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)
H001	H002

4.3. Attachments Allowed

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

SED	Attachments
H001	Allowed
H002	Allowed

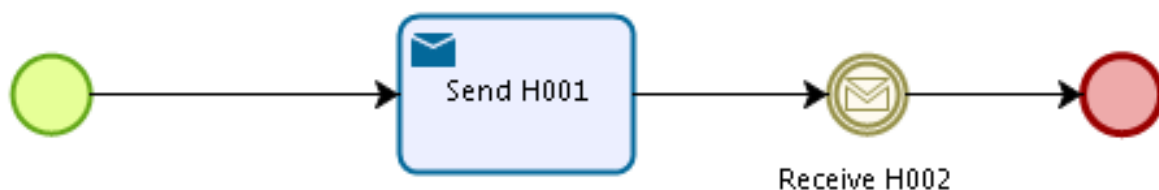
4.4. Artefacts used

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

Artefact name	Artefact type
H001	SED
H002	SED

5. Business Processes

The following model describes the Business Use Case Adhoc Exchange of Information subprocess using BPMN 2.0.



6. Appendices

6.1. Issues

N/A