European Commission

Employment,
Social Affairs
and Inclusion

# EESSI – CDM 4.4
# S - Sickness

# S_BUC_17a - v4.4.0

## Long-Term Care – Change of Entitlement to Benefits in Kind

*BUC Specifications*

| European Commission |

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# Document history

| Version | Date | Short Description of Changes |
|---------|------|------------------------------|
| v0.1.0 | 07/03/2016 | First draft of the document. |
| v0.1.1 | 07/06/2016 | Comments received from Germany have been accepted. |
| | | Title of the BUC has been changed. |
| | | Section 2.2 Legal base: art 28 is removed |
| | | Section 4.1- RUP Table Description |
| | | Pre-conditions is updated |
| | | Post conditions is updated |
| | | Section 6.1 Issues updated with the remarks and comments received. |
| v0.2.0 | 28/06/2016 | Alignment to the standard description and layout of the BUC. |
| | | Section 2.1: Business scenario slightly adapted following Germany's proposal. |
| | | Section 6.1, issue 4: Germany proposes to add special requirements. |
| | | Section 6.1, issue 6: Germany proposes to make section 4 of SED S005 repeatable. |
| v0.3.0 | 09/11/2016 | Remarks and last comments received from Germany have been accepted in the document. |
| | | Comments received from AC have been implemented in the document. |
| | | As suggested "Reminder" and "Reject" have been added for the Counterparty. |
| | | Section 4.1 has been updated (Branch 3 and 4 added) |
| | | Section 4.4 has been updated (Reminder and Reject added) |
| | | Section 4.5 SED and Sub-process Versioning (Reminder and Reject are added) |
| v0.99.0 | 23/11/2016 | As agreed by AHG members: "Invalidate" will be added |
| | | Section 4.1 is updated |
| | | Branch 5: "Invalidate" is added for Case Owner |
| | | Section 4.4 RUP UC Diagram Representation is updated |
| | | Section 4.5 SED and Sub-process Versioning is updated |
| | | Submitted for AC Approval |
| v1.0.0 | 15/12/2016 | AC Approved Version |
| v1.0.1 | 03/07/2017 | -Included BPMN picture in section 5 |
| | | -Correction in the horizontal sub-process table in section 4.5 |
| | | - removed Use Case diagram |

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| v4.1.0 | 09/08/2018 | - Section 4.4 merged 2 tables (for SED & for Subprocesses) into 1 BUC Artefact table."<br><br>- 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 | Add a new Branch 6 to allow the CO to use the H_BUC_01 sub-process after sending S005 SED, according to the EESSI-7337 CR. |

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# 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 the Sickness´ sector process concerning Long-Term Care - Change of Entitlement to Benefits in Kind.

The different elements like use case description, business actors, and business process as well as supporting UML diagrams and BPMN models pertaining to Long-Term Care Change of Entitlement to Benefits in Kind.

## 1.3. Definitions, Acronyms and Abbreviations

Please see the EESSI Project Glossary here.

## 1.4. References

| # | Document Type | Document Name |
|---|---|---|
| R1 | Basic Regulations EC (883/04) | Regulation EC No. 883/2004.pdf |
| R2 | Implementing Regulations EC (987/09) | Regulation EC No. 987/2009.pdf |

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## 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 Long-Term Care - Change of Entitlement to Benefits in Kind 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 Long-Term Care - Change of Entitlement to Benefits in Kind business process.

Chapter 4 describes in detail the Long-Term Care - Change of Entitlement to Benefits in Kind business process based on the RUP use case template, as well as the relationship to other use cases.

Chapter 5 describes the Long-Term Care - Change of Entitlement to Benefits in Kind business process using business process modelling notation (BPMN).

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# 2. Description

## 2.1. Business Scenario

An insured person residing or staying in a Member State other than the competent Member State may be entitled to long-term care cash benefits provided by the competent institution in accordance with the legislation it applies.

If in the same time, the concerned person receives long-term care benefits in kind for the same purpose from the Member State of residence or stay, the general provision on prevention of overlapping of benefits shall be applicable.

This Business Use case enables the institution of the Member State of Residence/Stay to inform the institution of the Competent Member State about any change concerning the benefits in kind granted under its legislation in order to allow the competent institution to adapt the amount of cash benefits if necessary.

It is up to the competent institution to decide which benefits in kind have to be taken into account for the reduction of cash benefits.

## 2.2. Legal Base

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. (883/2004) | Implementing Reg. (987/2009) |
|---|---|---|
| | 34 | 31 |
| S005 | ✓ | ✓ |

Table 1: SED – Legal base relationship matrix

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# 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* | In this BUC, the Case Owner is the institution of the place of residence/stay which sends to the institution of the Competent Member State information concerning any change related to long-term care benefits in kind. |
| *Counterparty* | In this BUC, the Counterparty is the institution in the Competent Member State which receives from the institution of the Member State of residence/stay information about any change related to long-term care benefits in kind. |

Table 2: Actors & Roles

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# 4. Use Case

## 4.1. RUP Table Representation

| | | | |
|---|---|---|---|
| **Use Case ID:** | **S_BUC_17a** | | |
| **Use Case Name:** | Long-Term Care - Change of Entitlement to Benefits in Kind | | |
| **Created By:** | EESSI BA Team | **Last Updated By:** | EESSI BA Team |
| **Date Created:** | 07/03/2016 | **Publication Date:** | 06/12/2024 |
| **Actors:** | Case Owner<br>Counterparty | | |
| **Description:** | This particular case enables the institution of the Member state of Residence/Stay to inform the institution of the Competent Member State about changes concerning benefits in kind granted under its legislation in order to allow the institution of the Competent Member State to adapt the amount of cash benefits if necessary. | | |
| **Trigger:** | The institution of the Member State of Residence/Stay informs the institution of the Competent Member State that the amount of benefits in kind communicated with SED S003 changed. | | |
| **Preconditions:** | The insured person resides or stays outside the Competent Member State.  The insured person receives long-term care benefits in kind from the Member State of residence / stay.<br>The S_BUC 15 or S_BUC 17 already took place between both States in that case. | | |
| **Post conditions:** | If applicable the competent institution adapts the amount of its long-term care cash benefits. | | |
| **Main Scenario:** | **Identify Participants**<br>1. The Case Owner identifies the competent institution by checking who sent SED S001 or SED S056. The Competent institution is the Counterparty.  There will be only one counterparty. The Case Owner and the Counterparty are herein collectively referred to as the Participants.<br><br>**Send Information on Change of Entitlement to Benefits in Kind – Long term care**<br>2. The Case Owner fills in the "Information on Change of Entitlement to Benefits in Kind – Long term care" SED (S005) by entering all required data;<br><br>3. The Case Owner sends the "Information on Change of Entitlement to Benefits in Kind – Long term care" SED (S005) to the Counterparty;<br><br>4. The Counterparty receives the 'Information on Change of Entitlement to Benefits in Kind – Long term care' SED (S005);<br>5. This use case ends here. | | |
| **Alternative Scenarios:** | *Following Branches Determine the use of Horizontal Processes within this Business Process* | | |
| | *Branch 1: After [step 5] Counterparty may optionally choose to request Ad Hoc Information from Case Owner.*<br><br>1. The Counterparty executes business use case *H_BUC_01 – Ad Hoc Exchange of Info;* | | |

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|  | 2. [This Branch] Ends. |
|---|---|
|  | ***Branch 6:** At any step after [step 3] the Case Owner may optionally choose to request AdHoc Information from the Counterparty*<br><br>1. The Case Owner executes business use case ***H_BUC_01 - AdHoc Exchange of Info***;<br>2. *[This Branch] Ends.* |
|  | ***Following Branches Determine the use of Administrative Processes within this Business Process*** |
|  | ***Branch 2:** After [step 5] Counterparty may optionally choose to Forward this Business Process to another Competent Institution within its Member State who assumes responsibility for handing it*<br><br>1. The Counterparty executes business use case ***AD_BUC_05 – Forward Case;***<br>2. [This Branch] Ends. |
|  | ***Branch 3:** After [step 5] Counterparty may optionally choose to send a reminder in order to receive the answer to Ad Hoc Information expected and not yet received.*<br><br>1. The Counterparty executes business use case ***AD_BUC_07 – Reminder;***<br>2. [This Branch] Ends. |
|  | ***Branch 4:** After [step 5] Counterparty may optionally choose to notify the Case Owner that they Reject a SED they have received.*<br><br>1. The Counterparty executes business use case ***AD_BUC_09 – Reject SED;***<br>2. [This Branch] Ends. |
|  | ***Branch 5:** At any step after [step 4] the Case Owner may choose to advise the Counterparty that their S005 is Invalid under Art 5 of 987/09*<br><br>1. *The Case Owner executes business use case **AD_BUC_06_- Invalidate SED;***<br>2. Optionally, the Case Owner fills in an "Information on Change of Entitlement to Benefits in Kind – Long term care" (S005) by entering all the required data;<br>3. Optionally, the Case Owner sends the S005, including any attachments, to the Counterparty;<br>4. [This Branch] Ends. |
| **Exceptions:** | None |
| **Includes:** | See diagram at part 4.4 |
| **Special Requirements:** | **SR0:** General Rule<br>As the request is individualised, the case can concern only one person. |

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| | **SR1**: Rules about the invoking of Branches: <br> Horizontal <br> [Branch 1] – May be invoked more than once; <br><br> Administrative <br> [Branch 2] – May be invoked once only when the first SED is received by Counterparty. <br> [Branch 3] – May be invoked more than once. <br> [Branch 4] – May be invoked once and is an interrupting branch. <br> [Branch 5] – May be invoked more than once. |
|---|---|
| **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) |
|---|---|
| None | None |

## 4.3. Attachments Allowed

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

| SED | Attachments |
|---|---|
| **S005** | Allowed |

## 4.4. Artefacts used

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

| Artefact name | Artefact type |
|---|---|
| **S005** | SED |
| **H_BUC_01_Subprocess** | BUC |
| **AD_BUC_05_Subprocess – Forward Case** | BUC |
| **AD_BUC_06_Subprocess – Invalidate SED** | BUC |
| **AD_BUC_07_Subprocess – Reminder** | BUC |
| **AD_BUC_09_Subprocess – Reject SED** | BUC |
| **AD_BUC_11_Subprocess – Business Exception** | BUC |
| **AD_BUC_12_Subprocess – Change of Participant** | BUC |

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# 5. Business Processes

This chapter describes the Business Use Case Long-term Care – Change of Entitlement to Benefits in Kind. using BPMN 2.0.
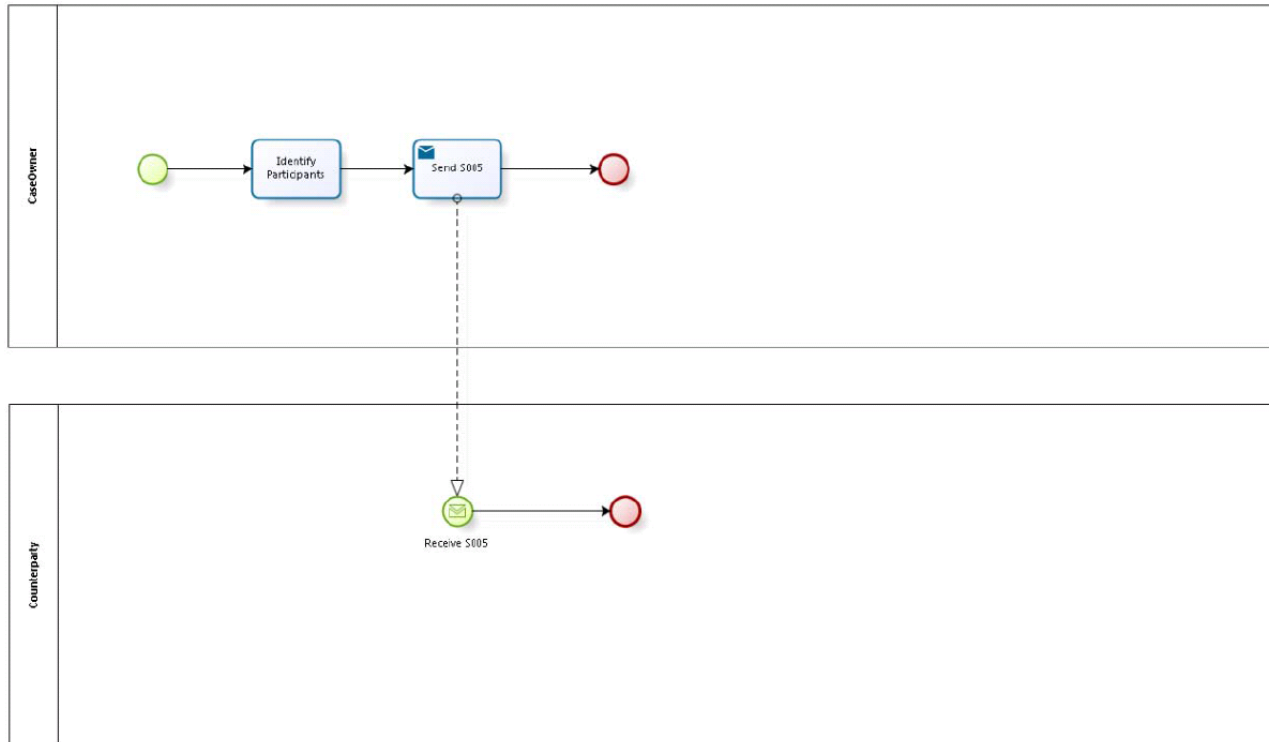
## 5.1. Case Owner and Counterparty



Figure 1: depicts the use case end-to-end for the Case Owner and Counterparty, from a high level, using the BPMN 2.0 collaboration diagram.

## 5.2. Sub Processes

Not applicable.

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# 6. Appendices

## 6.1. Issues

| # | Issue date | Description | Solution | Close date |
|---|---|---|---|---|
| 1 | 07/03/2016 | SED S005 mentions article 28 of Regulation (EC) 987/2009. This article is not mentioned in the Guidelines.<br><br>Answer from **Germany** (26/04/2016): '*Remove article 28 from SED S005.* ' | Art 28 is removed from Section 2.2 Legal base.<br><br>It will be removed from the SED S005 with the version 4. (JIRA ticket EESSIDRY-1426). | 07/06/2016 |
| 2 | 26/04/2016 | Comment from GE: '*The title of the BUC is wrong. I guess this is due to a mistake in the guidelines (p.72). In this BUC, the institution of the country of residence/stay informs about any change or cancellation of long-term care benefits in kind.*<br><br>*The title of SED S005 is right.* ' | Title of the BUC has been changed according to Germany's comment.<br><br>Sickness Guidelines should be adapted accordingly. | 07/06/2016 |
| 3 | 26/04/2016 | **Germany** proposes to change numbering in SED S005 (see the proposition hereafter) '*If I want to provide information on the end of the benefit, it should not be compulsory to restate information on start date.*<br><br>*New numbering from 4.1.1 to 4.1.4 allows distinguishing better between "change of benefits" and "end of benefits" situations.* '<br><br>**4. Change of entitlement to benefits in kind – long term care**\*<br>4.1 Start date   [DD/MM/YYYY] …………<br><br>4.1.1 Amount\*   [decimal]……<br>4.1.2 Currency\*   [From world Currency list] ….<br>4.1.3 Frequency of payment\*<br>    ☐ Daily<br>    ☐ Weekly<br>    ☐ Monthly | To be discussed with other AHG members. NB: This would have an impact on proposed SICKNESS Sector component 'SICKNESS.PaymentDetails'. | 07/06/2016 |

| # | Issue date | Description | Solution | Close date |
|---|------------|-------------|----------|------------|
| | | ☐ Other<br><br>Please fill in the following if "Frequency of payment" = "Other":<br>4.1.4 Other       [155] .........<br>4.2 End date       [DD/MM/YYYY] ...............<br>4.3 Description of the benefit(s) [500] ...... | | |
| 4 | 26/04/2016 | Section 4.5 - SED and Sub-process Versioning, comments from Germany: 'From my point of view AD_BUC_11 requires that competent institutions as well as AP provider work with a kind of BUC-state control engine.<br>I doubt whether this is in line with our general approach. How can we manage that this issue will be discussed and solved?' | There is a difference between the implementation and the rules. It should probably be controlled at the national level application, but the rules, if implemented on national level, should be described somewhere. This document captures this kind of requirements and behaviour.<br><br>Germany proposes to mention that MS are in charge of implementing these rules at national level under special requirements section. | 07/06/2016 |
| 5 | 28/06/2016 | Conversion of the BPMN to split between Case Owner and Counterparty. | Scheduled for update. | |
| 6 | 23/08/2016 | Germany proposes to make section 4. Of SED S005 repeatable in order to share information about several sorts of payments. In many cases in the area of long-term care, payments are made ad-hoc or as lump sum, but there are also monthly payments… LTC- SEDs should be able to adapt to this variety. | This will be handled in V4 of the SED (see JIRA ticket EESSIDRY-1426) | |
| 7 | 09/11/2016 | "Reminder" and "Reject" admin BUC should be added on BPMN diagram for the Counterparty. | Scheduled for update. | |
| 8 | 23/11/2016 | "Invalidate" admin BUC should be added on BPMN diagram for the Case Owner. | Scheduled for update. | |

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