

PROPOSED ITS USE CASE DESCRIPTION

Use Case Title:	<i>Title</i>
Project Name:	<i>tbd</i>
Source:	<i>tbd</i>
Date:	<i>2016-09-16</i>
Contact:	<i>Paul Spaanderman, ps@paulsconsultancy.com</i>
Abstract:	
Agenda Item:	<i>None</i>
Work item(s):	<i>None</i>
Document(s) Impacted*	<i>Not know at this time</i>
Intended purpose of document:	<input type="checkbox"/> <i>Decision</i> <input checked="" type="checkbox"/> <i>Discussion</i> <input type="checkbox"/> <i>Information</i> <input type="checkbox"/> <i>Other <specify></i>
Decision requested or recommendation:	<i>None</i>

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DEFINITION'S	
Use Case	<p><i>An “ITS Use Case” identifies a functional objective (goal) to reach. It clarifies the original situation, the objectives to achieve and the end situation and it recognizes the general context in which this objective needs to be realized.</i></p>
Use Case Description	<p><i>An “ITS Use Case” description includes a description of the objective, its purpose, the starting point (begin situation) and expected result (end situation).</i></p> <p><i>It includes a clear view on the high-level actor (generally the stakeholders, important organisations, and/or systems) involvement from a general perspective. It includes a high-level system environment description including high-level functions, their interactions and conditions to realize the use case. No implementation but only high-level functional requirements maybe specified which might include high-level behavioral, conditional and/or situational aspects such that the description is implementation agnostic.</i></p> <p><i>For implementation a single “Use Case” may be supported by many different scenarios (such as Business, Legal, Privacy, Implementation, Testing/Validation, Environmental, Operational and Live Cycle Scenarios)</i></p> <p><i>Note:</i></p> <p><i>Based on the above the intention of any “ITS use case” description is to clarify the different aspects of it in such a way that the actor(s) can identify its (there) role(s), behavior and responsibilities to fore fill the ITS use case. For this reason not all the identified elements of the use case description may need to be described.</i></p>

1. Title Use-Case

<Brief meaningful title>

2. Introduction

<General introduction, for instance reason why this use case has been created.>

3. Objective

< Short description of the main smart objective >

4. Source and history

Origin <Reference to SDO, Consortium, Forum etc. or a member company(ies) including short reasoning when applicable.>

<i>Version</i>	<i>Changes</i>	<i>Editor</i>	<i>Origin</i>

5. Introduction Use-Case

<Reasoning of the Use-Case>

5.1. Use case ID

< Naming convention to be defined, must be an unique number (managed in EU (World data base)>

5.2. Background

<Describe the background environment and motivation of the proposed use case is implemented>

5.3. Description Use-Case

<Description of the use case.>

5.4. Use-Case functional diagram and Actors relations

< Text description of functions (or sub use case referencing) realized by each actor having a functional role, as well as functions to be realized by the target system. Then present a UML use case diagram, illustrating the these actors and interactions when applicable>

5.5. Use-Case illustration

<Relevant diagram or picture when applicable>

5.6. Linked Use-Case (as applicable)

<One or more possible scenarios to which this use case has]relation>

6. Target Implementation Environment (as applicable)

<Targeted high level environment description including implementation actors and interfaces between them. Text here is optional>

6.1. Functional architecture (as applicable)

6.1.1. General Implementation ICT architecture (if any)

<Functional Architecture in which the use case is realized, including diagram identifying the implementation actors role(s) and including the, functions and interoperable interfaces >

6.1.2. Roles and responsibilities of actors (if any)

<List of actors and their functional role and responsibilities in this architecture >

6.1.3. Listed functional limitations (if any)

<Assumed high-level functional limitations which may have limiting influences on the implementations possibilities>

6.1.4. Original Functional Conditions (if any)

<Assumed high-level functional original conditions which have direct influences on the implementations possibilities>

6.1.5. Resulting Functional Conditions (if any)

<Assumed high-level functional Resulting conditions which have direct influences on the implementations possibilities>

7. Pre and Post Conditions and Requirements (if any)

<Conditions that must exist and requirements which have to be fulfilled for the realization of the use case, if none then clarification why? If there is any then here no text is required>

7.1. Business Conditions and requirements (if any)

<Business Conditions that must exist for the use case to be executed>

7.1.1. Introduction (if any)

<Introduction>

7.1.2. Business Conditions (if any)

<Listed Business Conditions>

7.1.3. Business Requirements (if any)

<Listed Business requirements>

7.1.4. Business Scenarios (if any)

< Listed different scenarios including description or referencing to applicable known Business: Business ID_n (<Naming convention to be defined >), Business ID_{n+1,.....}, Business ID_m >

7.2. Legal Conditions and requirements (if any)

<Legal Conditions that must exist for the use case to be executed>

7.2.1. Introduction (if any)

<Introduction>

7.2.2. Legal Conditions (if any)

<Listed Legal Conditions>

7.2.3. Legal Requirements (if any)

<General Legal requirements>

7.2.4. Legal Scenarios (if any)

< Listed different scenarios including description or referencing to applicable linked other known Legal: Legal ID_n (<Naming convention to be defined >), Legal ID_{n+1,.....}, Legal ID_m >

7.3. Security Conditions and requirements (if any)

<Security that must exist for the use case to be executed>

7.3.1. Introduction (if any)

<Introduction>

7.3.2. Security Conditions (if any)

<General Security conditions>

7.3.3. Security Requirements (if any)

<General Security requirements>

7.3.4. Security Scenarios (if any)

< Listed different scenarios including description or referencing to applicable known Security: Security ID_n (<Naming convention to be defined >), Security ID_{n+1,.....}, Security ID_m >

7.4. Privacy Conditions and requirements (if any)

<Privacy that must exist for the use case to be executed>

7.4.1. Introduction (if any)

<Introduction>

7.4.2. Privacy Conditions (if any)

<General Privacy conditions>

7.4.3. Privacy Requirements (if any)

<General Privacy requirements>

7.4.4. Privacy Scenarios (if any)

< Listed different scenarios including description or referencing to applicable known Privacy: Privacy ID_n (<Naming convention to be defined >), Privacy ID_{n+1,.....}, Privacy ID_m >

7.5. Implementation Conditions and requirements (if any)

<Conditions that must exist for the use case to be executed>

7.5.1. Introduction (if any)

<Introduction>

7.5.2. Implementation Conditions (if any)

<General Implementation Conditions>

7.5.3. Implementation Requirements (if any)

<General Implementation requirements>

7.5.4. Implementation Scenarios (if any)

< Listed different scenarios including description or referencing to applicable known Scenarios: Implementation ID_n (<Naming convention to be defined >), Implementation $ID_{n+1, \dots}$, Implementation ID_m >

7.6. Testing/Validation/Qualification Conditions (if any)

<Conditions that must exist for the use case to be Qualified>

7.6.1. Introduction (if any)

<Introduction>

7.6.2. Testing/Validation/Qualification Conditions (if any)

<General Testing/Validation/Qualification conditions>

7.6.3. Testing/Validation/Qualification Requirements (if any)

<General Testing/Validation/Qualification requirements>

7.6.4. Testing/Validation/Qualification Scenarios (if any)

< Listed different scenarios including description or referencing to applicable known Scenarios: Testing/Validation/Qualification ID_n (<Naming convention to be defined >), Testing/Validation/Qualification $ID_{n+1, \dots}$, Testing/Validation/Qualification ID_m >

7.7. **Effect/Impact Conditions (investment) (if any)**

<Conditions that must exist for the use case to be Qualified>

7.7.1. **Introduction (if any)**

<Introduction>

7.7.2. **Effect/Impact Conditions (if any)**

< General Effect/Impact conditions>

7.7.3. **Effect/Impact Requirements (if any)**

< General Effect/Impact requirements>

7.7.4. **Testing/Validation/Qualification Scenarios (if any)**

< Listed different scenarios including description or referencing to applicable known Effect/Impact: Effect/Impact ID_n (<Naming convention to be defined >), Effect/Impact ID_{n+1,.....}, Effect/Impact ID_m >

7.8. **Envirnmental Conditions (if any)**

< Conditions that must exist for the use case to be fulfilled over its live time >

7.8.1. **Introduction (if any)**

<Introduction>

7.8.2. **Envirnmental Conditions (if any)**

<General Envirnmental Conditions>

7.8.3. **Envirnmental Requirements (if any)**

<General Envirnmental requirements>

7.8.4. **Envirnmental Scenarios (if any)**

< Listed different scenarios including description or referencing to applicable known Envirnmental: Envirnmental ID_n (<Naming

convention to be defined >), Environmental ID_{n+1,.....}, Environmental ID_m >

7.9. Human behavior Conditions (if any)

< Conditions that must exist for the use case to be maintained over its live time >

7.9.1. Introduction (if any)

<Introduction>

7.9.2. Human behavior Conditions (if any)

<General Operational conditions>

7.9.3. Human behavior Requirements (if any)

<General Operational requirements>

7.9.4. v Scenarios (if any)

< Listed different scenarios including description or referencing to applicable known Human behavior: Human behavior ID_n (<Naming convention to be defined >), Human behavior ID_{n+1,.....}, Human behavior ID_m >

7.10. Operational Conditions (if any)

< Conditions that must exist for the use case to be maintained over its live time >

7.10.1. Introduction (if any)

<Introduction>

7.10.2. Operational Conditions (if any)

<General Operational conditions>

7.10.3. Operational Requirements (if any)

<General Operational requirements>

7.10.4. **Operational Scenarios (if any)**

< Listed different scenarios including description or referencing to applicable known Operational: Operational ID_n (<Naming convention to be defined >), Operational ID_{n+1},..., Operational ID_m >

7.11. **Live Cycle Conditions (if any)**

<Conditions that must exist for the use case to be maintained over its live time>

7.11.1. **Introduction (if any)**

<Introduction>

7.11.2. **Live Cycle Conditions (if any)**

<General Live Cycle conditions>

7.11.3. **Live Cycle Requirements (if any)**

<General Live Cycle requirements>

7.11.4. **Live Cycle Scenarios (if any)**

< Listed different scenarios including description or referencing to applicable known Live Cycle: Live Cycle ID_n (<Naming convention to be defined >), Live Cycle ID_{n+1},..., Live Cycle ID_m >

8. **Linked use cases (as applicable)**

<One or more possible use cases to which this use case has]relation>