
System Test Description

SitaWare Civilian
Company: B

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Revision history

Version	Date	Changes
1.0	12-02-2015	Document created.

Table 1. Revision history.

Glossary and Terms

The following table contains a glossary of abbreviations and technical subject-specific terms used in this document which require further explanation.

Abbreviation	Meaning	Explanation
COP	Common Operational Picture	Display/picture of relevant information in operation area.
HQ	Head Quarter	Location where the most important functions of an organization are coordinated.
GPS	Global Positioning System	
GSM	Global System for Mobile Communication	
bdd	Block definition diagram	
ibd	Internal block diagram	

Table 2. Glossary.

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Introduction

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This document contains a preliminary design description. It seeks to close the gap between the requirements and the design phase, by clarifying the high-level design concept, which will implement the requirements in the System Requirements Specification.

Test Description 2

2.1 Required states and modes

2.1.1 States

ST-0010

2.1.2 Modes

2.2 Capability Requirements

ST-0110 The test confirms that the system is capable of keeping track of the location of all devices.

ST-0110 Deploy X users to different locations, and confirm that the system shows the correct location of X users.

2.3 System External Interface Requirements

2.4 System Internal Interface Requirements

2.5 System Internal Data Requirements

2.6 Safety Requirements

2.7 Security Requirements

2.8 System Environment Requirements

2.9 System Quality Factors

2.10 Design and Construction Constraints

2.11 Personnel-related Requirements

2.12 Non-functional Requirements

Requirements traceability 3

This chapter traces the requirements to the user needs.

3.1 Traceability matrix

The traceability matrix ensures that all requirements fulfill a need. If a requirement does not fulfill a need, then it is redundant, or a new need has to be created. In the context of the detailed design description, a reference to the unique names of blocks and states has been added to the corresponding requirements in the "Design document reference" column of the traceability matrix.

Project name:		SitaWare Civilian		Business area:		Civilian Crises Management		
Project manager:		René Arendt Sørensen		Business Analyst lead:		Rasmus Fredensborg Jensen		
QA lead		Peter Kristian Mathiesen		Target implementation date:				
Req. id.	Catagory of functional activity	Requirement description	Use case reference	Design document reference	Code or model reference	Test case reference	User acceptance validation	Comments
FR-0030	-	States		SM-0100				
FR-0040	-	States		SM-0200				
FR-0050	-	States		SM-0300				
FR-0060	-	States		SM-0400				
FR-0070	-	Modes		SM-0210				
FR-0080	-	Modes		SM-0220				
FR-0090	-	Modes		SM-0230				
FR-0110	N-030	Capability		SDD-0210, SDD-0140				
FR-0115	N-020	Capability		SDD-0110, SDD-0150, SDD-0240, SDD-0230, SDD-0300, SDD-0320				
FR-0120	N-020	Capability		SDD-0300, SDD-0320				
FR-0130	N-020	Capability		SDD-0300, SDD-0320				
FR-0140	N-020	Capability		SDD-0300, SDD-0320				
FR-0150	N-020	Capability		SDD-0300, SDD-0320				
FR-0160	N-020	Capability		SDD-0300, SDD-0320				
FR-0170	N-010	Capability		SDD-0150, SDD-0230, SDD-0310, SDD-0320				

Table 3.1. Requirement traceability matrix.

Project name:		SitaWare Civilian	Business area:		Civilian Crises Management			
Project manager:		René Arendt Sørensen	Business Analyst lead:		Rasmus Fredensborg Jensen			
QA lead		Peter Kristian Mathiesen	Target implementation date:					
Req. id.	Catagory of functional activity	Requirement description	Use case reference	Design document reference	Code or module reference	Test case reference	User acceptance validation	Comments
FR-0180	N-020	Capability		SDD-0150, SDD-0230, SDD-0310, SDD-0320				
FR-0190	N-020	Capability		SDD-0110, SDD-0240				
FR-0200	N-020	Capability		SDD-0110, SDD-0150, SDD-0230, SDD-0240, SDD-0310, SDD-0320				
FR-0210	N-020	Capability		SDD-0110, SDD-0150, SDD-0230, SDD-0240, SDD-0310, SDD-0320				
FR-0220	N-010	Capability		SDD-0330				
FR-0230	N-020	Capability		SDD-0140, SDD-0150, SDD-0210, SDD-0230, SDD-0310, SDD-0320				
FR-0240	N-020	Capability		SDD-0150, SDD-0230, SDD-0310, SDD-0320				
FR-0250	N-020	Capability		SDD-0150, SDD-0230, SDD-0310, SDD-0320				

Table 3.2. Requirement traceability matrix.

Project name:		SitaWare Civilian		Business area:		Civilian Crises Management		
Project manager:		René Arendt Sørensen		Business Analyst lead:		Rasmus Fredensborg Jensen		
QA lead		Peter Kristian Mathiesen		Target implementation date:				
Req. id.	Catagory of functional activity	Requirement description	Use case reference	Design document reference	Code or model reference	Test case reference	User acceptance validation	Comments
FR-0260	N-020	Capability		SDD-0150, SDD-0230, SDD-0310, SDD-0320				
FR-0270	N-010	External interface		SDD-110, SDD-0240				
FR-0280	N-010	External interface		SDD-110, SDD-0240				
FR-0290	N-010	External interface		SDD-0160, SDD-0170, SDD-0250, SD-0260				
FR-0300	N-020	External interface		SDD-0150, SDD-0230, SDD-0300, SDD-0310, SDD-0320				
FR-0320	N-010	Internal interface		SDD-0150, SDD-0230, SDD-0320				
FR-0330	-	Data interface		SDD-0310				
FR-0340	-	Data interface		SDD-0310				
FR-0350	N-020	Safety		SDD-0280				
FR-0352	N-020	Safety		SDD-0299				

Table 3.3. Requirement traceability matrix.

Project name:		SitaWare Civilian	Business area:		Civilian Crises Management			
Project manager:		René Arendt Sørensen	Business Analyst lead:		Rasmus Fredensborg Jensen			
QA lead		Peter Kristian Mathiesen	Target implementation date:					
Req. id.	Catagory of functional activity	Requirement description	Use case reference	Design document reference	Code or module reference	Test case reference	User acceptance validation	Comments
FR-0354	N-020	Safety		SDD-0290				
FR-0360	-	Security		SDD-0110, SDD-0240				
FR-0370	-	Security		-				
FR-0380	-	Security		-				
FR-0390	-	Environment		-				
FR-0400	-	Environment		-				
FR-0410	-	Environment		-				
FR-0420	-	Environment		-				
FR-0430	N-040	Quality		-				
FR-0440	-	Quality		-				
FR-0450	-	Quality		-				
FR-0460	-	Design constraints		-				
FR-0470	-	Design constraints		-				
FR-0480	-	Personnel-related		-				

Table 3.4. Requirement traceability matrix.

Referenced Documents 4

This chapter contains a brief description of the documents referenced to in this document.

Version	Document name	Description
1.3	System Requirement Specification	The System Requirement Specification(SRS) contains all of the requirements that the system has to fulfil.

Table 4.1. Referenced Documents.