System Test Plan
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Abstract

This document is the System Test Plan (STP) of Group QIS. This project is part of the Software Engineering Project (2IP35) and is one of the assignments at Eindhoven University of Technology. The document complies with the STP from the Software Engineering Standard, as set by the European Space Agency [1].

This document provides the main guidance for the System Test (ST) during the Detailed Design (DD) phase for the QIS application.
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Chapter 1

Introduction

1.1 Purpose

The System Test Plan (STP) describes the plan for testing the integrated software against the architectural design, defined in the ADD[2]. The integration tests make sure that QIS complies with the design in the Detailed Design (DD) phase of the QIS project as described in the ESA software engineering standard[1].

1.2 Overview

System testing is done as part of the Acceptance Test. Chapter 2 details how this is established. Because of this way of testing the remaining chapters are not applicable, and they have been marked as such.

1.3 List of definitions

<table>
<thead>
<tr>
<th>Abbreviation</th>
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<tr>
<td>ADD</td>
<td>Architectural Design Document</td>
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<tr>
<td>DD</td>
<td>Detailed Design</td>
</tr>
<tr>
<td>ESA</td>
<td>European Space Agency</td>
</tr>
<tr>
<td>ST</td>
<td>System Test</td>
</tr>
<tr>
<td>STP</td>
<td>System Test Plan</td>
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<tr>
<td>SVVP</td>
<td>Software Validation and Verification Plan</td>
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1.4 List of references


Chapter 2

Test plan

The software to be tested is QIS. QIS must conform to the requirements as stated in the SRD[4].

System testing of QIS is done manually by testing for conformance of QIS with the requirements in the URD[5] that apply to the interaction between components. These tests are executed already during development, as specified in section 6.4.1 of the SPMP [3].

At the end of the DD phase, when all components of QIS have been integrated, an overall system test is done using the tests specified in the ATP. All tests in the ATP are executed. The tests in the ATP cover the system testing of all components. Reports of failed ATP tests regarding system testing are documented as specified in the ATP.

No automatic system tests are performed, therefore the remaining sections of this document are not applicable.

2.1 Test items

This section is not applicable.

2.2 Features to be Tested

This section is not applicable.

2.3 Test deliverables

This section is not applicable.
2.4 Testing tasks

This section is not applicable.

2.5 Environmental needs

This section is not applicable.

2.6 Test case pass/fail criteria

This section is not applicable.
Chapter 3

Test case specifications

This section is not applicable.
Chapter 4

Test procedures

This section is not applicable.
Chapter 5

Test reports

This section is not applicable.