

SVVS - Software Verification and Validation Specification

September 7, 2015

Contents

1 Introduction

The Software Verification and Validation Specification (SVVS) describes all tests and reviews conducted during the development of the project (**project name here**). Write something more here, tell the reader about the various appendices etc...

2 Reference documents

Reference document: PUS15001.

3 Testing

In order to validate and verify that the system fulfills the customers expectations, various tests are conducted during the development phases. Types of test i.e. unit tests, function tests etc. can be divided into two categories: white-box tests and black-box tests, which are described below.

3.1 White-box testing

In a white-box test the developer tests the internal structure of the system, by means of making sure that all lines/units of code are executed at least once.

3.2 Black-box testing

A function test or black-box test examines the functionality of a system from an external point of view. Combinations of input data are chosen and the output data from the system is compared to a specification.

4 Reviews

Write something about the formal and informal reviews here.

1. Software Specification Review (SSR) - DATE HERE
 - SDP
 - SRS
 - SVVS
2. Preliminary Design Review (PDR) - DATE HERE
 - SVVI
 - STLDD
3. Product Review (PR) - DATE HERE
 - SVVR
 - SSD
 - PFR

5 Test environments

I SVVS skall även anges vad som skall testas i utvecklingsmiljön respektive på målmaskinen.

6 Test cases

6.1 Unit tests

Done by the developer group, white-box and black-box tests.

6.2 Function tests

6.3 System tests

Complete test of the system...

6.4 Regression tests

Used to check consistency with old code.

6.5 Acceptance tests

Test done by the customer...

A Function test specification

This is appendix A where we list all function test specifications.

A.1 This is a subsection

A.1.1 This is a subsubsection

B System test specification

This is appendix B where we list all system test specifications.

B.1 This is a subsection

B.1.1 This is a subsubsection

C Regression test specification

This is appendix C where we list all regression test specifications.

C.1 This is a subsection

C.1.1 This is a subsubsection