1. (normative)  
   Verification plan (VP) - DRD
   1. DRD identification
      1. Requirement identification and source document

This DRD is called up from ECSS-E-ST-10-02, requirement 5.2.8.1b.

* + 1. Purpose and objective

The Verification Plan contains the overall verification approach, the model philosophy, the product matrix, the verification strategies for the requirements (the interrelation between different methods/levels/stages of verification to be used to demonstrate status of compliance to requirements), the test, inspection, analysis and review-of-design programme with the relevant activity sheets and planning, the verification tools, the verification control methodology, the involved documentation, the verification management and organization.

* 1. Expected response
     1. Scope and content

Introduction

The VP shall contain a description of the purpose, objective, content and the reason prompting its preparation.

Open issues, assumptions and constraints relevant to this document shall be stated and described.

Applicable and reference documents

The VP shall list the applicable and reference documents in support to the generation of the document.

Definitions and abbreviations

The VP shall list the applicable dictionary or glossary and the meaning of specific terms or abbreviations utilized in the document.

Verification subject

The VP shall briefly describe the subject of the verification process.

Verification approach

The VP shall describe the basic verification concepts and definitions (methods, levels and stages).

Model philosophy

The VP shall describe the selected models and the associated model philosophy, product matrix.

Verification Strategy

The VP shall describe the selected combination of the different verification methods at the applicable verification levels and stages, in general and for each requirement type/group (including software).

The allocation of the requirements to the specific verification tasks shall be given.

Verification programme

The VP shall document the verification activities and associated planning in the applicable verification stages.

Analysis, review­of­design, inspection and test programmes should be detailed through dedicated activity sheets, or through reference to the AIT Plan.

Verification tools

The VP shall describe high level definitions of the verification tools to be used, such as S/W facilities, special tools, simulators, analytical tools.

Verification control methodology

The VP shall describe the proposed methodology to be utilized for verification monitoring and control including the use of a verification data base.

Documentation

The VP shall list the involved verification documents and describe their content.

Organization and management

The VP shall describe the responsibility and management tools applicable to the described verification process.

It shall describe the responsibilities within the project team, the relation to product assurance, quality control and configuration control (including anomaly handling and change control) as well as the responsibility sharing with external partners.

The relevant reviews shall be planned and responsibilities described.

* + 1. Special remarks

The Verification Plan may be combined with the AIT Plan in one single AIV Plan.

1. In this case VP and AIT plans do not exist anymore as single entities.