1. (normative)  
   Specification tree - DRD
   1. DRD identification
      1. Requirement identification and source document

This DRD is called from ECSS-E-ST-10, requirement 5.2.3.1c.

* + 1. Purpose and objective

The objective of the specification tree document is to define the hierarchical relationship of all technical requirements specifications for the different elements of a system or product.

The specification tree is part of the Design Definition File (as defined in ECSS-E-ST-10 Annex G). It is the basic structure to perform the system or product requirements traceability and to manage their internal interfaces.

* 1. Expected response
     1. Scope and content

Introduction

The specification tree document shall contain a description of the purpose, objective and the reason prompting its preparation.

Applicable and reference documents

The specification tree document shall contain the list of applicable and reference documents, used in support to the generation of the document.

Project summary and user’s need presentation

The specification tree document shall contain a brief description of the project and the key user’s needs.

Tree structure

The specification tree document shall provide the complete list of specifications defining the system or product, and contain a graphical representation where the system or product specification (i.e. at the top level of the tree) is decomposed into lower level product specifications.

When recurrent products from previous space projects are used, their specification shall be identified in the tree structure, and in addition, for every necessary product that is not under the supplier’s responsibility, their specification shall be identified in the tree structure.

* + 1. Special remarks

The specification tree shall be coherent with the product tree (see ECSS-M-ST-10) and the business agreement structure (see ECSS-M-ST-60).