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Space project management - Project planning and implementation

EESTI STANDARDI EESSÕNA

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ICS 49.140

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EUROPEAN STANDARD

EN 16601-10

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2015

ICS 49.140

Supersedes EN 13290-2:2001, EN 13290-3:2001, EN 13290-4:2001

English version

Space project management - Project planning and implementation

Management des projets spatiaux - Planification et mise en œuvre du projet

Raumfahrt-Projektmanagement - Projektplanung und Implementierung

This European Standard was approved by CEN on 14 December 2013.

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Foreword

This document (EN 16601-10:2015) has been prepared by Technical Committee CEN/CLC/TC 5 "Space", the secretariat of which is held by DIN.

This standard (EN 16601-10:2015) originates from ECSS-M-ST-10C Rev. 1.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 2015, and conflicting national standards shall be withdrawn at the latest by July 2015.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

This document supersedes EN 13290-2:2001; EN 13290-3:2001 and EN 13290-4:2001.

This document has been developed to cover specifically space systems and has therefore precedence over any EN covering the same scope but with a wider domain of applicability (e.g. : aerospace).

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

Project planning and implementation is the project function, encompassing a coherent set of processes for all aspects of project management and control.

This is done by:

- establishing the project requirements and constraints derived from the mission statement.
- defining phases and formal milestones enabling the progress of the project to be controlled with respect to cost, schedule and technical objectives (i.e. project control function).
- defining project breakdown structures, which constitute the common and unique reference system for the project management to:
 - identify the tasks and responsibilities of each actor;
 - facilitate the coherence between all activities of the whole project;
 - perform scheduling and costing activities.
- setting up a project organization to perform all necessary activities on the project.

1 Scope

The scope of this ECSS Standard is limited to describing the key elements of project planning and implementation and identifying the top level requirements and products that together provide a coherent and integrated project planning across the 3 ECSS branches.

Where other ECSS management, engineering, or product assurance standards contain more specific and detailed requirements related to project planning, references are provided to identify where these can be found within the ECSS system.

This standard may be tailored for the specific characteristic and constraints of a space project in conformance with ECSS-S-ST-00.

Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this ECSS Standard. For dated references, subsequent amendments to, or revision of any of these publications do not apply. However, parties to agreements based on this ECSS Standard are encouraged to investigate the possibility of applying the more recent editions of the normative documents indicated below. For undated references, the latest edition of the publication referred to applies.

EN reference	Reference in text	Title
EN 16601-00	ECSS-S-ST-00-01	Space system – Glossary of terms
EN 16001-40	ECSS-M-ST-40	Space project management – Configuration and information management