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STN	**Kozmická technika. Pozemné systémy a činnosti. Monitorovanie a definícia riadiacich dát.**	**STN EN 16603-70-31** 31 0543

Space engineering - Ground systems and operations - Monitoring and control data definition

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English version

Space engineering - Ground systems and operations - Monitoring and control data definition

Ingénierie spatiale - Systèmes sol et opérations - Définition des données de commande et contrôle

Raumfahrttechnik - Bodensysteme und Bodenbetrieb - Überwachung und Definitionen zu Steuerdaten

This European Standard was approved by CEN on 23 November 2014.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN and CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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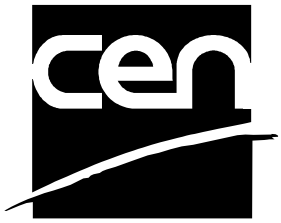

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Foreword

This document (EN 16603-70-31:2015) has been prepared by Technical Committee CEN/CLC/TC 5 “Space”, the secretariat of which is held by DIN.

This standard (EN 16603-70-31:2015) originates from ECSS-E-ST-70-31C.

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of an identical text or by endorsement, at the latest by July 2015, and conflicting national standards shall be withdrawn at the latest by July 2015.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 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

As described in ECSS-S-ST-00 and ECSS-E-ST-10, the development of a space system is an incremental task involving different entities, who can participate as customer or supplier at different levels of space system integration.

Documentation and data of different types is exchanged between supplier and customer. The purpose of this Standard is to define the data to be provided by the supplier to the customer in order to be able to monitor and control the product delivered. Formally, this data is part of the user manual for the corresponding element of the space system (see ECSS-E-ST-70).

1
Scope

This Standard defines the monitoring and control data that a supplier delivers together with a product in order to allow a customer to perform space system integration, testing and mission operations.

The requirements in this Standard are defined in terms of *what* data is provided by the supplier to the customer. *How* this data is provided (e.g. using spreadsheet data or XML) is outside of scope.

The Standard assumes that missions conform to the following ECSS standards:

- ECSS-E-ST-50 and ECSS-E-ST-70;
- ECSS-E-ST-70-41;
- ECSS-E-ST-70-32.

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

2
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 16603-50	ECSS-E-ST-50	Space engineering - Communications
EN 16603-70	ECSS-E-ST-70	Space engineering - Ground systems and operations -
EN 16603-70-01	ECSS-E-ST-70-01	Space engineering - On board control procedures
EN 16603-70-11	ECSS-E-ST-70-11	Space engineering - Space segment operability
EN 16603-70-32	ECSS-E-ST-70-32	Space engineering - Test and operations procedure language
EN 16603-70-41	ECSS-E-ST-70-41	Space engineering - Telemetry and telecommand packet utilization