

TNI	Zabezpečovanie výrobkov kozmického programu Príručka pre manažérstvo zastaranosti materiálov, mechanických častí a procesov	TNI CEN/CLC/TR 17602-70-23 31 0539
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Space product assurance - Materials, mechanical parts and processes obsolescence management handbook

Táto technická normalizačná informácia obsahuje anglickú verziu CEN/CLC/TR 17602-70-23:2021.
This Technical standard information includes the English version of CEN/CLC/TR 17602-70-23:2021.

Táto technická normalizačná informácia bola oznámená vo Vestníku ÚNMS SR č. 12/21

TECHNICAL REPORT
RAPPORT TECHNIQUE
TECHNISCHER BERICHT

**CEN/CLC/TR 17602-70-
23**

October 2021

ICS 49.140

English version

**Space product assurance - Materials, mechanical parts and
processes obsolescence management handbook**

Assurance produit des projets spatiaux - Manuel de
gestion de l'obsolescence des matériaux, des pièces
mécaniques et des procédés

Raumfahrtproduktsicherung - Handbuch für
Obsoleszenzmanagement von Materialien,
mechanischen Bauteilen und Prozessen

This Technical Report was approved by CEN on 16 August 2021. It has been drawn up by the Technical Committee CEN/CLC/JTC 5.

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European Foreword

This document (CEN/CLC/TR 17602-70-23:2021) has been prepared by Technical Committee CEN/CLC/JTC 5 "Space", the secretariat of which is held by DIN.

It is highlighted that this technical report does not contain any requirement but only collection of data or descriptions and guidelines about how to organize and perform the work in support of EN 16602-70-23.

This Technical report (CEN/CLC/TR 17602-70-23:2021) originates from ECSS-Q-HB-70-23A.

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 TR covering the same scope but with a wider domain of applicability (e.g.: aerospace).

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Scope

This Handbook provides guidelines to manage obsolescence of Materials, Mechanical Parts and Processes (in-house and sub-contracted).

It is useful for any actor of the European Space sector.

It covers Materials, Mechanical Parts and Processes (MMPP) used in flight hardware as well as ground support equipment (including test systems) and materials or tools used during process (not in the final product) and skills (know-how).

It is not within the scope of this Handbook to address EEE components and software.

This document describes the general causes of obsolescences and introduces the concepts of proactive and reactive obsolescence management, depending of the programme phase.

2 References

EN Reference	Reference in text	Title
EN 16601-00-01	ECSS-S-ST-00-01	ECSS system – Glossary of terms
EN 16602-70	ECSS-Q-ST-70	Space product assurance – Materials, mechanical parts and processes
EN 16602-70-71	ECSS-Q-ST-70-71	Space product assurance – Material, processes and their data selection
EN 16601-10	ECSS-M-ST-10	Space project management – Project planning and implementation
EN 16601-80	ECSS-M-ST-80	Space project management – Risk management
	EN 62402:2007	Obsolescence management - Application guide
	T. Rohr et al., ISMSE-12 ESTEC Noordwijk, The Netherlands, 2012	Impact of REACH Legislation on European Space Programs
	M. Chevalier et al., ISMSE-13 Pau, France, 2015	A method to customize qualification of substitutes in case of material or process obsolescence

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