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BSI Standards Publication

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

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National foreword

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The UK participation in its preparation was entrusted to Technical Committee ACE/68, Space systems and operations.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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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.

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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).

1 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.