

ICS 49.140

English version

Space product assurance - Components reliability data sources and their use

Assurance produit des projets spatiaux - Sources de
données de fiabilité composants et leur utilisation

Raumfahrtproduktsicherung - Datenquellen zur
Bauteilezuverlässigkeit und ihre Anwendung

This Technical Report was approved by CEN on 22 November 2021. It has been drawn up by the Technical Committee CEN/CLC/JTC 5.

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European Foreword

This document (CEN/TR 17602-30-08:2021) 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 16602-30.

This Technical report (CEN/TR 17602-30-08:2021) originates from ECSS-Q-HB-30-08A.

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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).

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Scope

This handbook identifies data sources and respective methods that can be used for reliability prediction of components. It proposes suitable data sources and an application matrix for component families.

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References

EN Reference	Reference in text	Title
EN 16601-00-01	ECSS-S-ST-00-01	ECSS - Glossary of terms
EN 16602-30	ECSS-Q-ST-30	Space product assurance - Dependability
EN 16602-40	ECSS-Q-ST-40	Space product assurance - Safety
EN 16602-60	ECSS-Q-ST-60	Space product assurance - Electrical, electronic and electromechanical (EEE) components
	IEC 60050-191	International Electrotechnical Vocabulary - Chapter 191: Dependability and quality of service