

DIN EN 16603-50-24

ICS 49.140

Mit DIN EN 16603-50-25:2022-11
und
DIN EN 16603-50-26:2022-11
Ersatz für
DIN EN 16603-50-04:2014-12

**Raumfahrttechnik –
Adoption Notice von CCSDS 231.0-B-3, TC-Synchronisation und
Kanalcodierung;
Englische Fassung EN 16603-50-24:2022**

Space engineering –
Adoption Notice of CCSDS 231.0-B-3, TC Synchronization and Channel Coding;
English version EN 16603-50-24:2022

Ingénierie spatiale –
Notice d'adoption de la CCSDS 231.0-B-3, TC Synchronization and Channel Coding;
Version anglaise EN 16603-50-24:2022

Gesamtumfang 18 Seiten

DIN-Normenausschuss Luft- und Raumfahrt (NL)

Nationales Vorwort

Dieses Dokument (EN 16603-50-24:2022) wurde vom Technischen Komitee CEN-CLC/JTC 5 „Raumfahrt“ erarbeitet, dessen Sekretariat von DIN (Deutschland) gehalten wird.

Das zuständige deutsche Normungsgremium ist der Arbeitsausschuss NA 131-06-02 AA „Interoperabilität von Informations-, Kommunikations- und Navigationssystemen“ im DIN-Normenausschuss Luft- und Raumfahrt (NL).

Dieses Dokument enthält unter Berücksichtigung des DIN-Präsidialbeschlusses 1/2004 nur die englische Originalfassung von EN 16603-50-24:2022.

Dieses Dokument wurde speziell zur Behandlung von Raumfahrtsystemen erarbeitet und hat daher Vorrang vor jeglicher Europäischen Norm, die denselben Anwendungsbereich hat, jedoch über einen größeren Geltungsbereich (z. B. Luft- und Raumfahrt) verfügt.

Aktuelle Informationen zu diesem Dokument können über die Internetseiten von DIN (www.din.de) durch eine Suche nach der Dokumentennummer aufgerufen werden.

Änderungen

Gegenüber DIN EN 16603-50-04:2014-12 wurden folgende Änderungen vorgenommen:

- a) Ersatz des Dokuments durch drei Adoption Notices.

Frühere Ausgaben

DIN EN 16603-50-04: 2014-12

Nationaler Anhang NA (informativ)

Abkürzungen

3 Abkürzungen

Abkürzung	Bedeutung
BCH	Bose-Chaudhuri-Hocquenghem
CLTU	Übertragungseinheit der Kommunikationsverbindung (en: Communications Link Transmission Unit)
LDPC	Low-density Parity-check
PLOP	Betriebsverfahren in der Bitübertragungsschicht (en: Physical Layer Operations Procedure)
SEC	Einfachfehlerkorrektur (en: Single Error Correction)

EUROPEAN STANDARD

EN 16603-50-24

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2022

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Supersedes EN 16603-50-04:2014

English version

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This European Standard was approved by CEN on 13 March 2022.

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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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European Foreword

This document (EN 16603-50-24:2022) has been prepared by Technical Committee CEN-CENELEC/TC 5 “Space”, the secretariat of which is held by DIN.

This standard (EN 16603-50-24:2022) originates from ECSS-E-AS-50-24C.

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 January 2023, and conflicting national standards shall be withdrawn at the latest by January 2023.

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

EN 16603-50-24, EN 16603-50-25 and EN 16603-50-26 together supersede EN 16603-50-04:2014.

The main changes with respect to EN 16603-50-04:2014 are listed below:

- Replacement of document by three Adoption Notices.

This document has been prepared under a standardization request 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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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Scope

This document identifies the clauses and requirements modified with respect to the standard CCSDS 231.0-B-3, *TC Synchronization and Channel Coding*, Issue 3, September 2017 for application in ECSS.