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**Raumfahrttechnik –
SpaceWire –
Protokoll zur CCSDS-Paketübertragung;
Englische Fassung EN 16603-50-53:2015**

Space engineering –
SpaceWire –
CCSDS packet transfer protocol;
English version EN 16603-50-53:2015

Ingénierie spatiale –
SpaceWire –
Protocole de transfert de paquets CCSDS;
Version anglaise EN 16603-50-53:2015

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DIN-Normenausschuss Luft- und Raumfahrt (NL)

Nationales Vorwort

Dieses Dokument (EN 16603-50-53:2015) wurde vom Technischen Komitee CEN/CLC/TC 5 „Raumfahrt“ erarbeitet, dessen Sekretariat vom DIN (Deutschland) gehalten wird.

Das zuständige deutsche Normungsgremium ist der Arbeitsausschuss NA 131-10-01 AA „Interoperabilität von Informations-, Kommunikations- und Navigationssystemen“ im DIN-Normenausschuss Luft- und Raumfahrt (NL).

Dieses Dokument (EN 16603-50-53:2015) basiert auf ECSS-E-ST-50-53C.

Dieses Dokument enthält unter Berücksichtigung des DIN-Präsidialbeschlusses 1/2004 nur die englische Originalfassung von EN 16603-50-53:2015.

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

Nationaler Anhang NA (informativ)

Begriffe, Abkürzungen und Konventionen

3 Begriffe, Abkürzungen und Konventionen

3.1 Begriffe aus anderen Normen

Für die Anwendung dieser Norm gelten die Begriffe nach ECSS-S-ST-00-01 und ECSS-E-ST-50-51.

3.2 Für diese Norm spezifische Begriffe

Keine.

3.3 Abkürzungen

Für die Anwendung dieser Norm gelten die folgenden Abkürzungen:

Abkürzung	Bedeutung
CCSDS	Beratender Ausschuss für Raumfahrt Daten-Systeme (en: Consultative Committee for Space Data Systems)
EEP	Fehlermeldung Paketende (en: error end of packet)
EOP	Paketende (en: end of packet)
SpW	SpaceWire (en: SpaceWire)

3.4 Konventionen

In diesem Dokument werden Hexadezimalzahlen mit dem Präfix 0x angegeben, beispielsweise 0x34 und 0xDF15.

Binärzahlen werden mit dem Präfix 0b angegeben, z. B. 0b1001100 und 0b01.

Dezimalzahlen haben kein Präfix.

— Leerseite —

English version

Space engineering —
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CCSDS packet transfer protocol

Ingénierie spatiale —
SpaceWire —
protocole de transfert de paquets CCSDS

Raumfahrttechnik —
SpaceWire —
Protokoll zur CCSDS-Paketübertragung

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

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Foreword

This document (EN 16603-50-53:2015) has been prepared by Technical Committee CEN/CLC/TC 5 "Space", the secretariat of which is held by DIN.

This standard (EN 16603-50-53:2015) originates from ECSS-E-ST-50-53C.

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.

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