



BSI Standards Publication

Industrial networks — Profiles

Part 2-6: Additional real-time fieldbus profiles based
on ISO/IEC/IEEE 8802-3 — CPF 6

National foreword

This British Standard is the UK implementation of EN IEC 61784-2-6:2023. It is identical to IEC 61784-2-6:2023. It partially supersedes BS EN IEC 61784-2:2019.

The UK participation in its preparation was entrusted to Technical Committee GEL/65, Measurement and control.

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Amendments/corrigenda issued since publication

Date	Text affected
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English Version

**Industrial networks - Profiles - Part 2-6: Additional real-time
fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 6
(IEC 61784-2-6:2023)**

Réseaux industriels - Profils - Partie 2-6: Profils de bus de
terrain supplémentaires pour les réseaux en temps réel
fondés sur l'ISO/IEC/IEEE 8802-3 - CPF 6
(IEC 61784-2-6:2023)

Industrielle Kommunikationsnetze - Profile - Teil 2-6:
Zusätzliche Feldbusprofile für Echtzeitnetzwerke basierend
auf ISO/IEC/IEEE 8802-3 - Kommunikationsprofilfamilie
(CPF) 6
(IEC 61784-2-6:2023)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

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The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2024-02-04
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-05-04

This document, together with other parts of the same series, partially supersedes EN IEC 61784-2:2019 and all of its amendments and corrigenda (if any).

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Endorsement notice

The text of the International Standard IEC 61784-2-6:2023 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 61158-1	NOTE Approved as EN IEC 61158-1
IEC 61158-3-8	NOTE Approved as EN 61158-3-8
IEC 61158-4-8	NOTE Approved as EN 61158-4-8
IEC 61158-5-8	NOTE Approved as EN 61158-5-8
IEC 61158-5-10	NOTE Approved as EN IEC 61158-5-10
IEC 61158-6-8	NOTE Approved as EN 61158-6-8
IEC 61158-6-10	NOTE Approved as EN IEC 61158-6-10
IEC 61784-1 (series)	NOTE Approved as EN IEC 61784-1 (series)
IEC 61784-1-0	NOTE Approved as EN IEC 61784-1-0
IEC 61784-2 (series)	NOTE Approved as EN IEC 61784-2 (series)
IEC 61918	NOTE Approved as EN IEC 61918

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61158	series	Industrial communication networks - Fieldbus specifications	EN IEC 61158	series
IEC 61158-2	2023	Industrial communication networks - Fieldbus specifications - Part 2: Physical layer specification and service definition	EN IEC 61158-2	2023
IEC 61784-1-6	2023	Industrial networks - Profiles - Part 1-6: Fieldbus profiles - Communication Profile Family 6	EN IEC 61784-1-6	2023
IEC 61784-2-0	2023	Industrial networks - Profiles - Part 2-0: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - General concepts and terminology	EN IEC 61784-2-0	2023
IEC 61784-2-3	2023	Industrial networks - Profiles - Part 2-3: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 3	EN IEC 61784-2-3	2023
IEC 61784-5-3	-	Industrial communication networks - Profiles - Part 5-3: Installation of fieldbuses - Installation profiles for CPF 3	EN IEC 61784-5-3	-
IEC 61784-5-6	-	Industrial communication networks - Profiles - Part 5-6: Installation of fieldbuses - Installation profiles for CPF 6	EN IEC 61784-5-6	-
ISO/IEC/IEEE 8802-3	-	Telecommunications and exchange between information technology systems - Requirements for local and metropolitan area networks - Part 3: Standard for Ethernet	-	-
IEEE Std 802	2014	IEEE Standard for Local and metropolitan area networks: Overview and Architecture	-	-
IEEE Std 802.1AB	2016	IEEE Standard for Local and metropolitan area networks: Station and Media Access Control Connectivity Discovery	-	-

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IEEE Std 802.1AS	2020	IEEE standard for Local and metropolitan area networks - Timing and Synchronization for Time-Sensitive Applications	-	-
IEEE Std 802.1Q	2018	IEEE Standard for Local and metropolitan area networks - Bridges and Bridged Networks	-	-
IETF RFC 1157	1990	Simple Network Management Protocol (SNMP)	-	-
IETF RFC 1213	1991	Management Information Base for Network-Management of TCP/IP-based Internets: MIB-II	-	-
IETF RFC 768	1980	User Datagram Protocol	-	-
IETF RFC 791	1981	Internet Protocol	-	-
IETF RFC 792	1981	Internet Control Message Protocol	-	-
IETF RFC 793	1981	Transmission Control Protocol	-	-

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