

ILNAS

Institut luxembourgeois de la normalisation
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ILNAS-EN IEC 61784-2-10:2023

Industrial networks - Profiles - Part 2-10: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 10

Réseaux industriels Profils Partie 2-10:
Profils de bus de terrain supplémentaires
pour les réseaux en temps réel fondés sur

- ISO/IEC/IEEE 8802-3 CPF 10

Industrielle Kommunikationsnetze -
Profile - Teil 2-10: Zusätzliche
Feldbusprofile für Echtzeitnetzwerke
basierend auf ISO/IEC/IEEE 8802-3 -

04/2023



National Foreword

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**Industrial networks - Profiles - Part 2-10: Additional real-time
fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 10
(IEC 61784-2-10:2023)**

Réseaux industriels - Profils - Partie 2-10: Profils de bus de terrain supplémentaires pour les réseaux en temps réel fondés sur l'ISO/IEC/IEEE 8802-3 - CPF 10 (IEC 61784-2-10:2023)

Industrielle Kommunikationsnetze - Profile - Teil 2-10: Zusätzliche Feldbusprofile für Echtzeitnetzwerke basierend auf ISO/IEC/IEEE 8802-3 - Kommunikationsprofilfamilie (CPF) 10 (IEC 61784-2-10:2023)

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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

The text of document 65C/1209/FDIS, future edition 1 of IEC 61784-2-10, prepared by SC 65C "Industrial networks" of IEC/TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61784-2-10:2023.

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) 2024-01-26
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-04-26

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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The text of the International Standard IEC 61784-2-10:2023 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 61158-2	NOTE Approved as EN IEC 61158-2
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.cencenelec.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 61158-3-17	2007	Industrial communication networks - Fieldbus specifications - Part 3-17: Data- link layer service definition - Type 17 elements	EN 61158-3-17	2008
IEC 61158-4-17	2007	Industrial communication networks - Fieldbus specifications - Part 4-17: Data- link layer protocol specification - Type 17 elements	EN 61158-4-17	2008
IEC 61158-5-17	2007	Industrial communication networks - Fieldbus specifications - Part 5-17: Application layer service definition - Type 17 elements	EN 61158-5-17	2008
IEC 61158-6-17	2007	Industrial communication networks - Fieldbus specifications - Part 6-17: Application layer protocol specification - Type 17 elements	EN 61158-6-17	2008
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
ISO/IEC 8802-2	-	Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 2: Logical link control	-	-
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	-	-
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 - Media Access Control (MAC) Bridges and Bridged Networks	-	-
IETF RFC 2236	1997	Internet Group Management Protocol, Version 2	-	-
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	-	-



INTERNATIONAL STANDARD

NORME INTERNATIONALE



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