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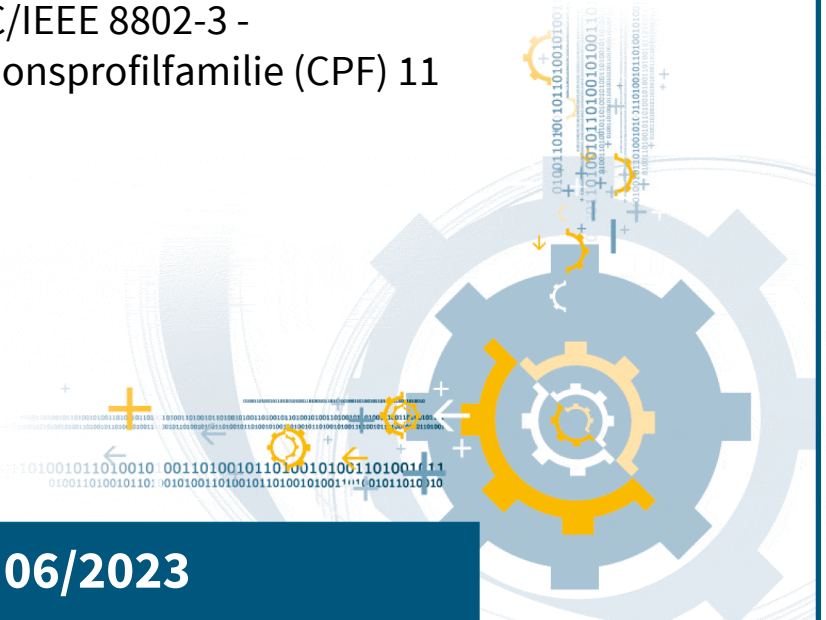
**Industrial networks - Profiles - Part
2-11: Additional real-time fieldbus
profiles based on ISO/IEC/IEEE 8802-3 -
CPF 11**

Réseaux industriels Profils Partie 2-11:
Profils de bus de terrain supplémentaires
pour les réseaux en temps réel fondés sur

● ISO/IEC/IEEE 8802-3 CPF 11

Zusätzliche Feldbusprofile für
Echtzeitnetzwerke basierend auf ISO/
IEC/IEEE 8802-3 -
Kommunikationsprofilfamilie (CPF) 11

06/2023



National Foreword

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ILNAS-EN IEC 61784-2-11:2023

EUROPEAN STANDARD **EN IEC 61784-2-11**

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN IEC 61784-2:2019 (partially)

English Version

**Industrial networks - Profiles - Part 2-11: Additional real-time
fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 11
(IEC 61784-2-11:2023)**

Réseaux industriels - Profils - Partie 2-11: Profils de bus de terrain supplémentaires pour les réseaux en temps réel fondés sur l'ISO/IEC/IEEE 8802-3 - CPF 11 (IEC 61784-2-11:2023)

Zusätzliche Feldbusprofile für Echtzeitnetzwerke basierend auf ISO/IEC/IEEE 8802-3 - Kommunikationsprofilfamilie (CPF) 11 (IEC 61784-2-11:2023)

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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 61784-2-11, 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 61784-2-11:2023.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2024-03-09 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2026-06-09 document have to be withdrawn

This document 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 61784-2-11:2023 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

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 61158-3-11	2007	Industrial communication networks - Fieldbus specifications - Part 3-11: Data- link layer service definition - Type 11 elements	EN 61158-3-11	2008
IEC 61158-4-11	2014	Industrial communication networks - Fieldbus specifications - Part 4-11: Data- link layer protocol specificationn - Type 11 elements	EN 61158-4-11	2014
IEC 61158-5-11	2007	Industrial communication networks - Fieldbus specifications - Part 5-11: Application layer service definition - Type 11 elements	EN 61158-5-11	2008
IEC 61158-6-11	2007	Industrial communication networks - Fieldbus specifications - Part 6-11: Application layer protocol specification - Type 11 elements	EN 61158-6-11	2008
IEC 61588	-	Precision Clock Synchronization Protocol for Networked Measurement and Control Systems	-	-
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 61784-5-11	-	Industrial communication networks - Profiles - Part 5-11: Installation of fieldbuses - Installation profiles for CPF 11	EN 61784-5-11	-
IEC 61918	-	Industrial communication networks - Installation of communication networks in industrial premises	EN IEC 61918	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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	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 Information technology - Telecommunications and information exchange between systems ¿ IEEE standard for Local and metropolitan area networks - Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks	-	-
IEEE Std 802.1Q	2018	IEEE Standard for Local and metropolitan area networks - Media Access Control (MAC) Bridges and Virtual Bridged Local Area Networks	-	-
IETF RFC 768	-	User Datagram Protocol	-	-
IETF RFC 791	-	Internet Protocol	-	-
IETF RFC 792	-	Internet Control Message Protocol	-	-
IETF RFC 793	-	Transmission Control Protocol	-	-



INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Industrial networks – Profiles –
Part 2-11: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 –
CPF 11**

**Réseaux industriels – Profils –
Partie 2-11: Profils de bus de terrain supplémentaires pour les réseaux en temps
réel fondés sur l'ISO/IEC/IEEE 8802-3 – CPF 11**



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