BS EN IEC 61158-6-28:2023

BSI Standards Publication

Industrial communication networks — Fieldbus specifications

Part 6-28: Application layer protocol specification — Type 28 elements

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National foreword

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

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Réseaux de communication industriels - Spécifications des bus de terrain - Partie 6-28: Spécification du protocole de la couche application - Éléments de type 28 (IEC 61158-6-28:2023)

Industrielle Kommunikationsnetze - Feldbusse - Teil 6-28: Protokollspezifikation des Application Layer (Anwendungsschicht) - Typ 28-Elemente (IEC 61158-6-28:2023)

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European Committee for Electrotechnical Standardization
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European foreword

The text of document 65C/1206/FDIS, future edition 1 of IEC 61158-6-28, 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 61158-6-28:2023.

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) 2024-01-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-04-28

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

IEC 61158-2	NOTE	Approved as EN 61158-2
IEC 61158-3-28	NOTE	Approved as EN IEC 61158-3-28
IEC 61158-4-28	NOTE	Approved as EN IEC 61158-4-28
IEC 61158-5 (series)	NOTE	Approved as EN 61158-5 (series)
IEC 61158-6 (series)	NOTE	Approved as EN 61158-6 (series)
IEC 61784-1 (series)	NOTE	Approved as EN IEC 61784-1 (series)
IEC 61784-2 (series)	NOTE	Approved as EN IEC 61784-2 (series)

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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.

Publication	Year	Title	EN/HD	Year
IEC 61158-1	2023	Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series	-	-
IEC 61158-5-28	2023	Industrial communication networks - Fieldbus specifications - Part 5-28: Application layer service definition - Type 28 elements	-	-
ISO/IEC 7498-1	-	Information technology - Open Systems Interconnection - Basic reference model: The basic model	-	-
ISO/IEC 7498-3	-	Information technology - Open Systems Interconnection - Basic reference model: Naming and addressing	-	-
ISO/IEC 8824-1	-	Information technology - Abstract Syntax Notation One (ASN.1) - Part 1: Specification of basic notation	-	-
ISO/IEC 8825-7	2021	nformation technology - ASN.1 encoding rules - Part 7: Specification of Octet Encoding Rules (OER)	-	-
ISO/IEC 9545	-	Information technology - Open Systems Interconnection - Application layer structure	-	-
ISO/IEC/IEEE 8802-3	2021	Telecommunications and exchange between information technology systems - Requirements for local and metropolitan area networks - Part 3: Standard for Ethernet	-	-
IETF RFC 791	-	Internet Protocol - DARPA Internet Program Protocol Specification	-	-
IETF RFC 2460	-	Internet Protocol - Version 6 (IPv6) - Specification	-	-

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Part 6-28: Application layer protocol specification – Type 28 elements

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NOTE Combinations of protocol types are specified in the IEC 61784-1 series and the IEC 61784-2 series.

IEC 61158-6-28 has been prepared by subcommittee 65C: Industrial networks, of IEC technical committee 65: Industrial-process measurement, control and automation. It is an International Standard.

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The text of this International Standard is based on the following documents:

Draft	Report on voting
65C/1206/FDIS	65C/1235/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts of the IEC 61158 series, published under the general title *Industrial communication networks – Fieldbus specifications*, can be found on the IEC web site.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

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