BSI Standards Publication

Industrial communication networks — Fieldbus specifications

Part 3-4: Data-link layer service definition — Type 4 elements

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National foreword

This British Standard is the UK implementation of EN IEC 61158-3-4:2023. It is identical to IEC 61158-3-4:2023. It supersedes BS EN IEC 61158-3-4:2019, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee GEL/65/3, Industrial communications: process measurement and control, including fieldbus.

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

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English Version

Industrial communication networks - Fieldbus specifications - Part 3-4: Data-link layer service definition - Type 4 elements (IEC 61158-3-4:2023)

Réseaux de communication industriels - Spécifications des bus de terrain - Partie 3-4: Définition des services de la couche liaison de données - Eléments de type 4 (IEC 61158-3-4:2023)

Industrielle Kommunikationsnetze - Feldbusse - Teil 3-4: Dienstfestlegungen des Data-Link Layer (Sicherungsschicht) - Typ 4-Elemente (IEC 61158-3-4:2023)

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Comité Européen de Normalisation Electrotechnique
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European foreword

The text of document 65C/1201/FDIS, future edition 4 of IEC 61158-3-4, 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 61158-3-4:2023.

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)	2024-01-20
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2026-04-20

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The text of the International Standard IEC 61158-3-4:2023 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 61158-2

IEC 61158-4-4 NOTE Approved as EN IEC 61158-4-4

IEC 61158-5-4 NOTE Approved as EN IEC 61158-5-4

IEC 61158-6-4 NOTE Approved as EN IEC 61158-6-4

IEC 61784-1-4 NOTE Approved as EN IEC 61784-1-4

(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
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 10731	1994	Information technology - Open Systems Interconnection - Basic Reference Model - Conventions for the definition of OSI services	-	-

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

IEC 61158-3-4 has been prepared by subcommittee 65C: Industrial networks, of IEC technical committee 65: Industrial-process measurement, control and automation. It is an International Standard.

This fourth edition cancels and replaces the third edition published in 2019. This edition constitutes a technical revision.