

SLOVENSKI STANDARD

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SIST EN 61158-3-24:2015

Industrijska komunikacijska omrežja - Specifikacije za procesna vodila - 3-24. del: Definicija opravi na ravni podatkovnih povezav - Elementi tipa 24 (IEC 61158-3-24:2023)

Industrial communication networks - Fieldbus specifications - Part 3-24: Data-link layer service definition - Type 24 elements (IEC 61158-3-24:2023)

Industrielle Kommunikationsnetze - Feldbusse - Teil 3-24: Dienstfestlegungen des Data Link Layer (Sicherheitsschicht) - Typ 24-Elemente (IEC 61158-3-24:2023)

Réseaux de communication industriels - Spécifications des bus de terrain - Partie 3-24: Définition des services de la couche liaison de données - Eléments de type 24 (IEC 61158-3-24:2023)

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35.100.20	Podatkovni povezovalni sloj	Data link layer
35.110	Omreževanje	Networking

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NORME EUROPÉENNE
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EN IEC 61158-3-24

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Supersedes EN 61158-3-24:2014

English Version

**Industrial communication networks - Fieldbus specifications -
Part 3-24: Data-link layer service definition - Type 24 elements
(IEC 61158-3-24:2023)**

Réseaux de communication industriels - Spécifications des
bus de terrain - Partie 3-24: Définition des services de la
couche liaison de données - Eléments de type 24
(IEC 61158-3-24:2023)

Industrielle Kommunikationsnetze - Feldbusse - Teil 3-24:
Dienstfestlegungen des Data Link Layer
(Sicherheitsschicht) - Typ 24-Elemente
(IEC 61158-3-24:2023)

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European Committee for Electrotechnical Standardization
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EN IEC 61158-3-24:2023 (E)**European foreword**

The text of document 65C/1201/FDIS, future edition 2 of IEC 61158-3-24, 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 61158-3-24:2023.

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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-04-20

This document supersedes EN 61158-3-24:2014 and all of its amendments and corrigenda (if any).

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The text of the International Standard IEC 61158-3-24:2023 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 61158-4-24 NOTE Approved as EN IEC 61158-4-24

IEC 61158-5-24 NOTE Approved as EN 61158-5-24

IEC 61158-6-24 NOTE Approved as EN 61158-6-24

IEC 61784-1 (series) NOTE Approved as EN IEC 61784-1 (series)¹

IEC 61784-2 (series) NOTE Approved as EN IEC 61784-2 (series)²

¹ To be published. Stage at time of publication: FprEN IEC 61784-1-X:2023.

² To be published. Stage at time of publication: FprEN IEC 61784-2-X:2023.

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>
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	2005	Information technology - Open Systems Interconnection - Basic Reference Model - Conventions for the definition of OSI services	-	-
ISO/IEC 19501	2005	Information technology - Open Distributed Processing - Unified Modeling Language (UML) Version 1.4.2	-	-

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IEC 61158-3-24

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INTERNATIONAL STANDARD



**Industrial communication networks – Fieldbus specifications –
Part 3-24: Data-link layer service definition – Type 24 elements**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**INDUSTRIAL COMMUNICATION NETWORKS –
FIELDBUS SPECIFICATIONS –****Part 3-24: Data-link layer service definition –
Type 24 elements**

FOREWORD

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

IEC 61158-3-24 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 second edition cancels and replaces the first edition published in 2014. This edition constitutes a technical revision.

The main changes with respect to the previous edition are listed below:

- addition of a new cyclic transmission mode which called "no time slot type" in Clause 4;
- addition of some parameters for Table 14 and Table 15 in Clause 5.3.2.2;
- in Subclause 5.3.5.2, addition of some parameters for Table 31 and addition of a new Table 32.

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

Draft	Report on voting
65C/1201/FDIS	65C/1242/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 the parts of the IEC 61158 series, 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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or

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