

SLOVENSKI STANDARD

SIST EN IEC 61158-6-2:2023

01-november-2023

Nadomešča:

SIST EN IEC 61158-6-2:2019

**Industrijska komunikacijska omrežja - Specifikacije za procesna vodila - 6-2. del:
Specifikacija protokola na aplikacijski ravni - Elementi tipa 2 (IEC 61158-6-2:2023)**

Industrial communication networks - Fieldbus specifications - Part 6-2: Application layer protocol specification - Type 2 elements (IEC 61158-6-2:2023)

Industrielle Kommunikationsnetze - Feldbusse - Teil 6-2: Protokollspezifikation des Application Layer (Anwendungsschicht) - Typ 2-Elemente (IEC 61158-6-2:2023)

Réseaux de communication industriels - Spécifications des bus de terrain - Partie 6-2: Spécification du protocole de la couche liaison de données - Eléments de type 2 (IEC 61158-6-2:2023)

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<https://standards.iteh.ai/SIST/EN/IEC/61158-6-2:2023> Ta slovenski standard je istoveten z: **EN IEC 61158-6-2:2023**

ICS:

25.040.40	Merjenje in krmiljenje industrijskih postopkov	Industrial process measurement and control
35.100.70	Uporabniški sloj	Application layer
35.110	Omreževanje	Networking

SIST EN IEC 61158-6-2:2023

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 61158-6-2

May 2023

ICS 25.040.40; 35.100.70; 35.110

Supersedes EN IEC 61158-6-2:2019

English Version

**Industrial communication networks - Fieldbus specifications -
Part 6-2: Application layer protocol specification - Type 2
elements
(IEC 61158-6-2:2023)**

Réseaux de communication industriels - Spécifications des
bus de terrain - Partie 6-2: Spécification du protocole de la
couche liaison de données - Eléments de type 2
(IEC 61158-6-2:2023)

Industrielle Kommunikationsnetze - Feldbusse - Teil 6-2:
Protokollspezifikation des Application Layer
(Anwendungsschicht) - Typ 2-Elemente
(IEC 61158-6-2:2023)

This European Standard was approved by CENELEC on 2023-04-28. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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European Committee for Electrotechnical Standardization
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 61158-6-2:2023 (E)**European foreword**

The text of document 65C/1204/FDIS, future edition 5 of IEC 61158-6-2, 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 61158-6-2:2023.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2024-01-28 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2026-04-28 document have to be withdrawn

This document supersedes EN IEC 61158-6-2:2019 and all of its amendments and corrigenda (if any).

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Endorsement notice

The text of the International Standard IEC 61158-6-2:2023 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 61131-3 NOTE Approved as EN 61131-3-6-2-2023

<https://www.it-europe.org/en/standards/iec/61158-6-2> NOTE Approved as EN IEC 61131-9-9daf-1a740df27d8f/sist-en-iec-61158-6-2-2023

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

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

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 61158-1	2023	Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series	-	-
IEC 61158-3-2	2023	Industrial communication networks - Fieldbus specifications - Part 3-2: Data-link layer service definition - Type 2 elements	-	-
IEC 61158-4-2	2023	Industrial communication networks - Fieldbus specifications - Part 4-2: Data-link layer protocol specification - Type 2 elements	EN IEC 61158-4-2	2023
IEC 61158-5-2	2023	Industrial communication networks - Fieldbus specifications - Part 5-2: Application layer service definition - Type 2 elements	-	-
IEC 61588	2021	Precision Clock Synchronization Protocol for Networked Measurement and Control Systems	-	-
IEC 61784-3-2	-	Industrial communication networks - Profiles - Part 3-2: Functional safety fieldbuses - Additional specifications for CPF 2	EN IEC 61784-3-2	-
IEC 61800-7-202	-	Adjustable speed electrical power drive systems - Part 7-202: Generic interface and use of profiles for power drive systems - Profile type 2 specification	EN 61800-7-202	-
IEC 62026-3	2014	Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) - Part 3: DeviceNet	-	-
ISO/IEC 7498-1	-	Information technology - Open Systems Interconnection - Basic reference model: The basic model	-	-
ISO/IEC/IEEE 8802-3	-	Telecommunications and exchange between information technology systems - Requirements for local and metropolitan area networks - Part 3: Standard for Ethernet	-	-

EN IEC 61158-6-2:2023 (E)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO/IEC 8824-1	-	Information technology_ - Abstract Syntax Notation One (ASN.1): Specification of basic notation	-	-
ISO/IEC 8825-1	-	Information technology - ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER)	-	-
ISO/IEC 9545	-	Information technology - Open Systems Interconnection - Application layer structure	-	-
ISO/IEC 10646	-	Information technology_ - Universal coded character set (UCS)	-	-
ISO/IEC 10731	-	Information technology - Open Systems Interconnection - Basic Reference Model - Conventions for the definition of OSI services	-	-
ISO 639-2	-	Codes for the representation of names of languages - Part-2: Alpha-3 code	-	-
ISO 11898-1	2015	Road vehicles - Controller area network (CAN) - Part 1: Data link layer and physical signalling	-	-
IEEE 802.1Q	2018	IEEE Standard for Local and Metropolitan Area Networks; Bridges and Bridged Networks	-	-
IEEE 802.3	2018	IEEE Standard for Ethernet	-	-
IETF RFC 791	-	Internet Protocol	-	-
IETF RFC 1035	-	Domain Names - Implementation and Specification	-	-
IETF RFC 1112	-	Host Extensions for IP multicasting	-	-
IETF RFC 1117	-	Internet Numbers	-	-
IETF RFC 1122	-	Requirements for Internet Hosts - Communication Layers	-	-
IETF RFC 1759	-	Printer MIB	-	-
IETF RFC 2236	-	Internet Group Management Protocol, Version 2	-	-
IETF RFC 2474	-	Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers	-	-
IETF RFC 2475	-	An Architecture for Differentiated Services	-	-
IETF RFC 2597	-	Assured Forwarding PHB Group	-	-
IETF RFC 2873	-	TCP Processing of the IPv4 Precedence Field	-	-
IETF RFC 3140	-	Per Hop Behavior Identification Codes	-	-
IETF RFC 3246	-	An Expedited Forwarding PHB (Per-Hop Behavior)	-	-
IETF RFC 3376	-	Internet Group Management Protocol, Version 3	-	-
IETF RFC 4594	-	Configuration Guidelines for DiffServ Service Classes	-	-



IEC 61158-6-2

Edition 5.0 2023-03

INTERNATIONAL STANDARD

**Industrial communication networks – Fieldbus specifications –
Part 6-2: Application layer protocol specification – Type 2 elements**

**(<https://standards.iteh.ai>)
Document Preview**

[SIST EN IEC 61158-6-2:2023](https://standards.iteh.ai/catalog/standards/sist/9bec7985-00ff-4d34-9daf-1a740df27d8f/sist-en-iec-61158-6-2-2023)

<https://standards.iteh.ai/catalog/standards/sist/9bec7985-00ff-4d34-9daf-1a740df27d8f/sist-en-iec-61158-6-2-2023>

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 25.040.40; 35.100.70; 35.110

ISBN 978-2-8322-6631-1

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