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**Industrijska komunikacijska omrežja - Specifikacije za procesna vodila - 5-10. del:
Definicija opravil na aplikacijski ravni - Elementi tipa 10 (IEC 61158-5-10:2014)**

Industrial communication networks - Fieldbus specifications - Part 5-10: Application layer service definition - Type 10 elements (IEC 61158-5-10:2014)

Industrielle Kommunikationsnetze - Feldbusse - Teil 5-10: Dienstfestlegungen des Application Layer (Anwendungsschicht) - Typ 10-Elemente (IEC 61158-5-10:2014)

Réseaux de communication industriels - Spécifications des bus de terrain - Partie 5-10: Définition des services de la couche application - Éléments de type 10 (CEI 61158-5-10:2014)

Ta slovenski standard je istoveten z: EN 61158-5-10:2014

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35.100.70	Uporabniški sloj	Application layer
35.110	Omreževanje	Networking

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NORME EUROPÉENNE

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Supersedes EN 61158-5-10:2012

English Version

**Industrial communication networks - Fieldbus specifications -
Part 5-10: Application layer service definition - Type 10 elements
(IEC 61158-5-10:2014)**

Réseaux de communication industriels - Spécifications des
bus de terrain - Partie 5-10: Définition des services de la
couche application - Eléments de type 10
(CEI 61158-5-10:2014)

Industrielle Kommunikationsnetze - Feldbusse -
Teil 5-10: Dienstfestlegungen des Application Layer
(Anwendungsschicht) - Typ 10-Elemente
(IEC 61158-5-10:2014)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of document 65C/763/FDIS, future edition 3 of IEC 61158-5-10, 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 61158-5-10:2014.

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) 2015-06-22
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-09-22

This document supersedes EN 61158-5-10:2012.

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Endorsement notice

The text of the International Standard IEC 61158-5-10:2014 was approved by CENELEC as a European Standard without any modification.

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

IEC 60870 Series	NOTE	Harmonized as EN 60870 Series (not modified).
IEC 61131-1	NOTE	Harmonized as EN 61131-1.
IEC 61131-3	NOTE	Harmonized as EN 61131-3.
IEC 61158-2:2014	NOTE	Harmonized as EN 61158-2:2014 (not modified).
IEC 61375-1	NOTE	Harmonized as EN 61375-1.
IEC 61784-1	NOTE	Harmonized as EN 61784-1.
IEC 61784-2	NOTE	Harmonized as EN 61784-2.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When 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.cenelec.eu

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61158-1	2014	Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series	EN 61158-1	2014
IEC 61158-5-3	2014	Industrial communication networks - Fieldbus specifications - Part 5-3: Application layer service definition - Type 3 elements	EN 61158-5-3	2014
IEC 61158-6-3	2014	Industrial communication networks - Fieldbus specifications - Part 6-3: Application layer protocol specification - Type 3 elements	EN 61158-6-3 ¹⁾	-
IEC 61158-6-10	2014	Industrial communication networks - Fieldbus specifications - Part 6-10: Application layer protocol specification - Type 10 elements	EN 61158-6-10 ¹⁾	-
IEC 61800-7-203	2007	Adjustable speed electrical power drive systems - Part 7-203: Generic interface and use of profiles for power drive systems - Profile type 3 specification	EN 61800-7-203	2008
IEC 62439-2	-	Industrial communication networks - High availability automation networks - Part 2: Media Redundancy Protocol (MRP)	EN 62439-2	-
ISO/IEC 646	-	Information technology - ISO 7-bit coded character set for information interchange	-	-
ISO/IEC 7498-1	-	Information technology - Open Systems Interconnection - Basic reference model: The basic model	-	-
ISO/IEC 8822	-	Information technology - Open Systems Interconnection - Presentation service definition	-	-

¹⁾ To be published.

<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 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/IEC 15802-1	-	Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Common specifications - Part 1: Medium Access Control (MAC) service definition	-	-
ISO 8601	-	Data elements and interchange formats - Information interchange - Representation of dates and times	-	-
IEEE 754	-	IEEE Standard for Floating-Point Arithmetic	-	-
IEEE 802	-	IEEE Standard for Local and Metropolitan Area Networks: Overview and Architecture	-	-
IEEE 802.1AB	2005	IEEE Standard for Local and metropolitan area networks Station and Media Access Control Connectivity Discovery	-	-
IEEE 802.1AS	-	IEEE Standard for Local and Metropolitan Area Networks - Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks	-	-
IEEE 802.1D	-	IEEE Standard for local and metropolitan area networks - Media Access Control (MAC) Bridges	-	-
IEEE 802.1Q	-	IEEE Standard for Local and metropolitan area networks - Media Access Control (MAC) Bridges and Virtual Bridges	-	-
IEEE 802.3	-	IEEE Standard for Information technology -- Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications	-	-
IETF RFC 768	-	User Datagram Protocol	-	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IETF RFC 791	-	Internet Protocol - DARPA Internet Program Protocol Specification	-	-
IETF RFC 792	-	Internet Control Message Protocol	-	-
IETF RFC 826	-	An Ethernet Address Resolution Protocol - or - Converting Network Protocol Addresses to 48.bit Ethernet Address for Transmission on Ethernet Hardware	-	-
IETF RFC 1034	-	Domain names - concepts and facilities	-	-
IETF RFC 1112	-	Host Extensions for IP Multicasting	-	-
IETF RFC 1573	-	Evolution of the Interfaces Group of MIB-II	-	-
IETF RFC 2131	-	Dynamic Host Configuration Protocol	-	-
IETF RFC 2020	-	IEEE 802.12 Interface MIB	-	-
IETF RFC 2132	-	DHCP Options and BOOTP Vendor Extensions	-	-
IETF RFC 2365	-	Administratively Scoped IP Multicast	-	-
IETF RFC 2674	-	Definitions of Managed Objects for Bridges - with Traffic Classes, Multicast Filtering and Virtual LAN Extensions	-	-
IETF RFC 2737	-	Entity MIB (Version 2)	-	-
IETF RFC 2863	-	The Interfaces Group MIB	-	-
IETF RFC 3330	-	Special-Use IPv4 Addresses	-	-
IETF RFC 3418	-	Management Information Base (MIB) for the Simple Network Management Protocol (SNMP)	-	-
IETF RFC 3490	-	Internationalizing Domain Names in Applications (IDNA)	-	-
IETF RFC 3621	-	Power Ethernet MIB	-	-
IETF RFC 4836	-	Definitions of Managed Objects for IEEE 802.3 Medium Attachment Units (MAUs)	-	-
IETF RFC 5905	-	Network Time Protocol Version 4: Protocol - and Algorithms Specification	-	-
The Open Group - Publication C706	-	Technical Standard DCE1.1: Remote Procedure Call	-	-

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Industrial communication networks – Fieldbus specifications –
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Réseaux de communication industriels – Spécifications des bus de terrain –
Partie 5-10: Définition des services de la couche application – Eléments
de type 10

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