SLOVENSKI STANDARD
SIST EN 61158-5-10:2008

01-julij-2008

Nadomešča:
SIST EN 61158-5:2004

Industrijska komunikacijska omrežja - Specifikacije za procesno vodilo - 5-10. del: Definicija opravil na aplikacijskem nivoju - Elementi tipa 10 (IEC 61158-5-10:2007)

Industrial communication networks - Fieldbus specifications - Part 5-10: Application layer service definition - Type 10 elements

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

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Réseaux de communication industriels - Spécifications des bus de terrain - Partie 5-10: Définition des services des couches d'application - Eléments de type 10

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Ta slovenski standard je istoveten z: EN 61158-5-10:2008

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 61158-5-10:2008 **en,de**

2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61158-5-10

March 2008

ICS 35.100.70; 25.040.40

Partially supersedes EN 61158-5:2004

English version

Industrial communication networks - Fieldbus specifications - Part 5-10: Application layer service definition - Type 10 elements

(IEC 61158-5-10:2007)

Réseaux de communication industriels - Spécifications des bus de terrain - Partie 5-10: Définition des services des couches d'application - Eléments de type 10 (CEI 61158-5-10:2007)

Industrielle Kommunikationsnetze - Feldbusse - Teil 5-10: Dienstfestlegungen des Application Layer (Anwendungsschicht) - Typ 10-Elemente (IEC 61158-5-10:2007)

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CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

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Ref. No. EN 61158-5-10:2008 E

Foreword

The text of document 65C/475/FDIS, future edition 1 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 was approved by CENELEC as EN 61158-5-10 on 2008-02-01.

This and the other parts of the EN 61158-5 series supersede EN 61158-5:2004.

With respect to EN 61158-5:2004 the following changes were made:

– deletion of Type 6 fieldbus and Type 1 fieldbus application layer, for lack of market relevance;

– addition of new fieldbus types;

– partition into multiple parts numbered 5-2, 5-3, …, 5-20.

The following dates were fixed:

– latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2008-11-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2011-02-01

NOTE Use of some of the associated protocol types is restricted by their intellectual-property-right holders. In all cases, the commitment to limited release of intellectual-property-rights made by the holders of those rights permits a particular data-link layer protocol type to be used with physical layer and application layer protocols in type combinations as specified explicitly in the EN 61784 series. Use of the various protocol types in other combinations may require permission from their respective intellectual-property-right holders.

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Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 61158-5-10:2007 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 standards indicated:

IEC 61784-1	NOTE	Harmonized as EN 61784-1:2008 (not modified).
IEC 61784-2	NOTE	Harmonized as EN 61784-2:2008 (not modified).
ISO/IEC 8877	NOTE	Harmonized as EN 28877:1993 (not modified).
ISO 8601	NOTE	Harmonized as EN 28601:1992 (not modified).

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 60559	- [1)]	Binary floating-point arithmetic for microprocessor systems	HD 592 S1	1991 [2)]
IEC 61131-1	- [1)]	Programmable controllers - Part 1: General information	EN 61131-1	2003 [2)]
IEC 61131-3	- [1)]	Programmable controllers - Part 3: Programming languages	EN 61131-3	2003 [2)]
IEC 61158-6-3	- [1)]	Industrial communication networks - Fieldbus specifications - Part 6-3: Application layer protocol specification - Type 3 elements	EN 61158-6-3	2008 [2)]
IEC 61158-6-10	- [1)]	Industrial communication networks - Fieldbus specifications - Part 6-10: Application layer protocol specification - Type 10 elements	EN 61158-6-10	2008 [2)]
ISO/IEC 646	- [1)]	Information technology - ISO 7-bit coded character set for information interchange	-	-
ISO/IEC 7498-1	- [1)]	Information technology - Open Systems Interconnection - Basic Reference Model: The Basic Model	EN ISO/IEC 7498-1	1995 [2)]
ISO/IEC 8802-1	- [1)]	Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 1: Overview of Local Area Network Standards	-	-
ISO/IEC 8802-3	- [1)]	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	-	-

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[1)] Undated reference.

[2)] Valid edition at date of issue.

Publication	Year	Title	EN/HD	Year
ISO/IEC 8822	- [1)]	Information technology - Open Systems Interconnection - Presentation service definition	-	-
ISO/IEC 8824-1	- [1)]	Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation	-	-
ISO/IEC 8859-1	- [1)]	Information technology - 8-bit single-byte coded graphic character sets - Part 1: Latin alphabet No.1	-	-
ISO/IEC 9545	- [1)]	Information technology - Open Systems Interconnection - Application Layer structure	-	-
ISO/IEC 10646-1	- [1)]	Information technology - Universal Multiple-Octet Coded Character Set (UCS) - Part 1: Architecture and Basic Multilingual Plane	-	-
ISO/IEC 10731	- [1)]	Information technology - Open Systems Interconnection - Basic reference model - Conventions for the definition of OSI services	-	-
IEEE 802	2001	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 802.1D	2004	IEEE standard for local and metropoitan area networks - Media access control (MAC) Bridges	-	-
IEEE 802.1Q	2005	IEEE Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks	-	-
IEEE 802.3	2005	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	-	-
IEEE 802.15.1	2005	IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirement - Part 15.1: Wireless medium access control (MAC) and physical layer (PHY) specifications for wireless personal area networks (WPANs)	-	-
IETF RFC 768	- [1)]	User Datagram Protocol	-	-
IETF RFC 791	- [1)]	Internet Protocol	-	-
IETF RFC 792	- [1)]	Internet Control Message Protocol	-	-

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Publication	Year	Title	EN/HD	Year
IETF RFC 826	- [1)]	Ethernet Address Resolution Protocol	-	-
IETF RFC 1034	- [1)]	Domain names - concepts and facilities	-	-
IETF RFC 1112	- [1)]	Host Extensions for IP Multicasting	-	-
IETF RFC 2131	- [1)]	Dynamic Host Configuration Protocol	-	-
IETF RFC 2674	- [1)]	Definitions of Managed Objects for Bridges with Traffic Classes, Multicast Filtering and Virtual LAN Extensions	-	-
IETF RFC 2737	- [1)]	Entity MIB (Version 2)	-	-
IETF RFC 2863	- [1)]	The Interfaces Group MIB	-	-
IETF RFC 3418	- [1)]	Management Information Base (MIB) for the Simple Network Management Protocol (SNMP)	-	-
IETF RFC 3490	- [1)]	Internationalizing Domain Names in Applications (IDNA)	-	-
IETF RFC 3621	- [1)]	Power Ethernet MIB	-	-
IETF RFC 3636	- [1)]	Definitions of Managed Objects for IEEE 802.3 Medium Attachment Units (MAUs)	-	-
The Open Group C706	- [1)]	CAE Specification DCE11: Remote Procedure Call	-	-

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