

SLOVENSKI STANDARD

SIST EN 61158-6-3:2012

01-september-2012

Nadomešča:

SIST EN 61158-6-3:2008

**Industrijska komunikacijska omrežja - Specifikacije za procesno vodilo - 6-3. del:
Specifikacija protokola na aplikacijskem nivoju - Elementi tipa 3 (IEC 61158-6-3:2010)**

Industrial communication networks - Fieldbus specifications - Part 6-3: Application layer protocol specification - Type 3 elements (IEC 61158-6-3:2010)

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Industrielle Kommunikationsnetze - Feldbusse - Teil 6-3: Protokollspezifikation des Application Layer (Anwendungsschicht) - Typ 3-Elemente (IEC 61158-6-3:2010)

[SIST EN 61158-6-3:2012](#)

Réseaux de communication industriels - Spécifications des bus de terrain - Partie 6-3: Spécification des protocoles des couches d'application - Elements de type 3 (CEI 61158-6-3:2010)

Ta slovenski standard je istoveten z: EN 61158-6-3:2012

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 61158-6-3:2012

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61158-6-3

June 2012

ICS 25.040.40; 35.100.70; 35.110

Supersedes EN 61158-6-3:2008

English version

**Industrial communication networks -
Fieldbus specifications -
Part 6-3: Application layer protocol specification -
Type 3 elements
(IEC 61158-6-3:2010)**

Réseaux de communication industriels -
Spécifications des bus de terrain -
Partie 6-3: Spécification des protocoles
des couches d'application -
Éléments de type 3
(CEI 61158-6-3:2010)

Industrielle Kommunikationsnetze -
Feldbusse -
Teil 6-3: Protokollspezifikation des
Application Layer (Anwendungsschicht) -
Typ 3-Elemente
(IEC 61158-6-3:2010)

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CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 65C/607/FDIS, future edition 2 of IEC 61158-6-3, 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 61158-6-3:2012.

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) 2012-12-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-03-28

This document supersedes EN 61158-6-3:2008.

EN 61158-6-3:2012 includes the following significant technical changes with respect to EN 61158-6-3:2008:

- corrections, in Table 10 and Table 48;
- clarification in 6.9.1.2;
- expired patents deleted and new patents disclosed.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 61158-6-3:2010 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC/TR 61158-1:2010 NOTE Harmonized as CLC/TR 61158-1:2010 (not modified).

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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60559	-	Binary floating-point arithmetic for microprocessor systems	HD 592 S1	-
IEC 61158-3-3	2007	Industrial communication networks - Fieldbus specifications - Part 3-3: Data-link layer service definition - Type 3 elements	EN 61158-3-3	2008
IEC 61158-4-3	2010	Industrial communication networks - Fieldbus specifications - Part 4-3: Data-link layer protocol specification - Type 3 elements	EN 61158-4-3	2012
IEC 61158-5-3	2010	Industrial communication networks - Fieldbus specifications - Part 5-3: Application layer service definition - Type 3 elements	EN 61158-5-3	2012
IEC 61158-6-10	2010	Industrial communication networks - Fieldbus specifications - Part 6-10: Application layer protocol specification - Type 10 elements	EN 61158-6-10	2012
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	-	-
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 10731	-	Information technology - Open Systems Interconnection - Basic reference model - Conventions for the definition of OSI services	-	-

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IEC 61158-6-3

Edition 2.0 2010-08

INTERNATIONAL STANDARD

**Industrial communication networks – Fieldbus specifications –
Part 6-3: Application layer protocol specification – Type 3 elements**

[SIST EN 61158-6-3:2012
https://standards.iteh.ai/catalog/standards/sist/2ae75e3b-10dc-4770-af8f-
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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

PRICE CODE **XN**

ICS 25.04.40; 35.100.70; 35.110

ISBN 978-2-88912-126-7

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**INDUSTRIAL COMMUNICATION NETWORKS –
FIELDBUS SPECIFICATIONS –**
**Part 6-3: Application layer protocol specification –
Type 3 elements**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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NOTE 1 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 profile parts. Use of the various protocol types in other combinations may require permission from their respective intellectual-property-right holders.

International Standard IEC 61158-6-3 has been prepared by subcommittee 65C: Industrial networks, of IEC technical committee 65: Industrial-process measurement, control and automation.

This second edition cancels and replaces the first edition published in 2007. This edition constitutes a technical revision.

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

- corrections, in Table 10 and Table 48;

- clarification in 6.9.1.2;
- expired patents deleted and new patents disclosed.

The text of this standard is based on the following documents:

FDIS	Report on voting
65C/607/FDIS	65C/621/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with ISO/IEC Directives, Part 2.

A list of all parts of the IEC 61158 series, published 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 publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be:

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

NOTE 2 The revision of this standard will be synchronized with the other parts of the IEC 61158 series.

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