

SLOVENSKI STANDARD SIST-TP CLC/TR 61158-1:2004

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Digital data communications for measurement and control - Fieldbus for use in industrial control systems - Part 1: Overview and guidance for the IEC 61158 series

Digital data communications for measurement and control - Fieldbus for use in industrial control systems -- Part 1: Overview and guidance for the IEC 61158 series

Digitale Datenkommunikation in der Leittechnik - Feldbus für industrielle Leitsysteme -- Teil 1: Übersicht und Leitfaden für die Reihe IEC 61158 (standards.iteh.ai)

Communications numériques pour les systèmes de mesure et de commande - Bus de terrain utilisés dans les systèmes de commande industriels 47 Partie 17. Vue d'ensemble et guide pour la série CEI 61158 1475 d07bb/sist-to-clc-tr-61158-1-2004

Ta slovenski standard je istoveten z: CLC/TR 61158-1:2004

ICS:

25.040.40 Merjenje in krmiljenje Industrial process

industrijskih postopkov measurement and control

35.110 Omreževanje Networking

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TECHNICAL REPORT

CLC/TR 61158-1

RAPPORT TECHNIQUE

TECHNISCHER BERICHT

July 2004

ICS 25.040; 35.100; 35.240.50

English version

Digital data communications for measurement and control – Fieldbus for use in industrial control systems Part 1: Overview and guidance for the IEC 61158 series (IEC/TR 61158-1:2003)

Communications numériques pour les systèmes de mesure et de commande -Bus de terrain utilisés dans les systèmes de commande industriels Partie 1: Vue d'ensemble et quide

pour la série CEI 61158 (CEI/TR 61158-1:2003) **STANDARD PREVIEW**

Digitale Datenkommunikation in der Leittechnik -Feldbus für industrielle Leitsysteme Teil 1: Übersicht und Leitfaden für die Reihe IEC 61158

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This Technical Report was approved by CENELEC on 2004-05-22.

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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

Foreword

The text of the Technical Report IEC/TR 61158-1:2003, prepared by SC 65C, Digital communications, of IEC TC 65, Industrial-process measurement and control, was submitted to the formal vote and was approved by CENELEC as CLC/TR 61158-1 on 2004-05-22 without any modification.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the Technical Report IEC/TR 61158-1:2003 was approved by CENELEC as a Technical Report without any modification.

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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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
IEC 61158-2	_ 1)	Digital data communications for measurement and control - Fieldbus for use in industrial control systems Part 2: Physical layer specification and service definition	EN 61158-2	2004 2)
IEC 61158-3	- 1)	Part 3: Data link service definition	EN 61158-3	2004 2)
IEC 61158-4	- 1)	Part 4: Data link protocol specification	EN 61158-4	2004 2)
IEC 61158-5	- ¹⁾	Part 5: Application layer service edefinition ANDARD PREVI	EN 61158-5	2004 2)
IEC 61158-6	- 1)	Part 6: Application layer protocol specification	EN 61158-6	2004 2)
IEC 61784-1	_ 1) https://st	Digital data communications for 004 measurement and control 72d3714d-a491- Part 3: Profile sets for continuous and 4 discrete manufacturing relative to fieldbus use in industrial control systems	EN 61784-1 4fde-9357-	2004 2)
ISO/IEC 7498-1	_ 1)	Information technology - Open systems interconnection - Basic reference model Part 1: The basic model	EN ISO/IEC 7498-1	1995 ²⁾

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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TECHNICAL REPORT

IEC TR 61158-1

First edition 2003-04

Digital data communications for measurement and control – Fieldbus for use in industrial control systems –

Part 4: TANDARD PREVIEW
Overview and guidance for the
IEC 61158 series iteh.ai)

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PRICE CODE

For price, see current catalogue

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

DIGITAL DATA COMMUNICATIONS FOR MEASUREMENT AND CONTROL – FIELDBUS FOR USE IN INDUSTRIAL CONTROL SYSTEMS –

Part 1: Overview and guidance for the IEC 61158 series

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the 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, the IEC publishes International Standards. 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. The 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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Technical reports do not necessarily have to be reviewed until the data they provide are considered to be no longer valid or useful by the maintenance team.

IEC 61158-1, which is a Technical Report, has been prepared by subcommittee 65C: Digital communications, of IEC technical committee 65: Industrial-process measurement and control.

The text of this technical report is based on the following documents:

Enquiry draft	Report on voting	
65C/267/DTR	65C/277/RVC	

Full information on the voting for the approval of this Technical Report 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.

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IEC 61158 consists of the following parts, under the general title *Digital data communications* for measurement and control – Fieldbus for use in industrial control systems:

Part 1: Overview and guidance for the IEC 61158 series

Part 2: Physical Layer specification and service definition

Part 3: Data Link Service definition

Part 4: Data Link protocol specification

Part 5: Application Layer Service definition

Part 6: Application Layer protocol specification

The committee has decided that the contents of this publication will remain unchanged until 2007. At this date the publication will be

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

NOTE When revised, this report will be synchronized with the other parts of the IEC 61158 series.

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