

# SLOVENSKI STANDARD

## SIST EN IEC 61158-4-19:2019

01-november-2019

Nadomešča:

SIST EN 61158-4-19:2015

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**Industrijska komunikacijska omrežja - Specifikacije za procesna vodila - 4-19. del: Specifikacija protokola na ravni podatkovnih povezav - Elementi tipa 19 (IEC 61158-4-19:2019)**

Industrial communication networks - Fieldbus specifications - Part 4 -19: Data-link layer protocol specification - Type 19 elements (IEC 61158-4-19:2019)

Industrielle Kommunikationsnetze - Feldbusse - Teil 4-19: Protokollspezifikation des Data Link Layer (Sicherheitsschicht) - Typ 19-Elemente (IEC 61158-4-19:2019)

Réseaux de communication industriels - Specifications des bus de terrain - Partie 4-19: Spécification du protocole de la couche liaison de données - Éléments de type 19 (IEC 61158-4-19:2019)

**Ta slovenski standard je istoveten z: EN IEC 61158-4-19:2019**

### **ICS:**

25.040.40	Merjenje in krmiljenje industrijskih postopkov	Industrial process measurement and control
35.100.20	Podatkovni povezovalni sloj	Data link layer
35.110	Omreževanje	Networking

**SIST EN IEC 61158-4-19:2019**

**en,fr,de**

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EUROPEAN STANDARD

EN IEC 61158-4-19

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2019

ICS 25.040.40; 35.100.20; 35.110

Supersedes EN 61158-4-19:2014

English Version

Industrial communication networks - Fieldbus specifications -  
Part 4 -19: Data-link layer protocol specification - Type 19  
elements  
(IEC 61158-4-19:2019)

Réseaux de communication industriels - Spécifications des  
bus de terrain - Partie 4-19: Spécification du protocole de la  
couche liaison de données - Eléments de type 19  
(IEC 61158-4-19:2019)

Industrielle Kommunikationsnetze - Feldbusse - Teil 4-19:  
Protokollspezifikation des Data Link Layer  
(Sicherheitsschicht) - Typ 19-Elemente  
(IEC 61158-4-19:2019)

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

**EN IEC 61158-4-19:2019 (E)****European foreword**

The text of document 65C/946/FDIS, future edition 4 of IEC 61158-4-19, 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 61158-4-19:2019.

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) 2020-02-23
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-05-23

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

IEC 61131 series	NOTE Harmonized as EN 61131 series
IEC 61158-1	NOTE Harmonized as EN 61158-1
IEC 61158-3-19	NOTE Harmonized as EN 61158-3-19
IEC 61158-5-16	NOTE Harmonized as EN 61158-5-16
IEC 61158-5-19	NOTE Harmonized as EN 61158-5-19
IEC 61158-6-16	NOTE Harmonized as EN 61158-6-16
IEC 61158-6-19	NOTE Harmonized as EN 61158-6-19
IEC 61784-1	NOTE Harmonized as EN 61784-1
IEC 61784-2	NOTE Harmonized as EN 61784-2
IEC 61800-7 series	NOTE Harmonized as EN 61800-7 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.cenelec.eu](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61158-4-16	2007	Industrial communication networks Fieldbus specifications - Part 4-16: Data- link layer protocol specification Type 16 elements	-EN 61158-4-16	2008
ISO 8601	-	Data elements and interchange formats — Information interchange – Representation of dates and times	-	-
ISO/IEC 7498-1	-	Information technology - Open Systems- Interconnection - Basic reference model: The basic model	-	-
ISO/IEC 7498-3	-	Information technology - Open Systems- Interconnection - Basic reference model: Naming and addressing	-	-
ISO/IEC/IEEE 8802-- 3	-	Information technology -- Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 3: Standard for Ethernet	-	-
IEEE Std 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	-	-
RFC 779	-	The TCP - Maximum Segment Size and Related Topics	-	-

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IEC 61158-4-19

Edition 4.0 2019-04

# INTERNATIONAL STANDARD



**Industrial communication networks – Fieldbus specifications –  
Part 4-19: Data-link layer protocol specification – Type 19 elements**

**SIST EN IEC 61158-4-19:2019**  
<https://standards.iteh.ai/catalog/standards/sist/4a410d26-acb7-4b1b-b2a8-c8eeb9f66b00/sist-en-iec-61158-4-19-2019>

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

ICS 25.040.40; 35.100.20; 35.110

ISBN 978-2-8322-6776-9

**Warning! Make sure that you obtained this publication from an authorized distributor.**

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