



SLOVENSKI STANDARD
SIST EN IEC 61784-3-19:2025

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Industrijska komunikacijska omrežja - Profili - 3-19. del: Funkcijska varnost procesnih vodil - Dodatne specifikacije za CPF 19 (IEC 61784-3-19:2024)

Industrial communication networks - Profiles - Part 3-19: Functional safety fieldbuses - Additional specifications for CPF 19 (IEC 61784-3-19:2024)

Industrielle Kommunikationsnetze - Profile - Teil 3-19: Funktional sichere Übertragung bei Feldbussen - Zusätzliche Festlegungen für die Kommunikationsprofilfamilie 19

Réseaux de communication industriels - Profils - Partie 3-19: Bus de terrain de sécurité fonctionnelle - Spécifications supplémentaires pour CPF 19 (IEC 61784-3-19:2024)

Ta slovenski standard je istoveten z: EN IEC 61784-3-19:2024

[SIST EN IEC 61784-3-19:2025](http://standards.sist.si/standards/sist/61784-3-19:2025/iec/61784-3-19:2025)

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**Industrial communication networks - Profiles - Part 3-19:
Functional safety fieldbuses - Additional specifications for CPF
19
(IEC 61784-3-19:2024)**

Réseaux de communication industriels - Profils - Partie 3-
19: Bus de terrain de sécurité fonctionnelle - Spécifications
supplémentaires pour CPF 19
(IEC 61784-3-19:2024)

Industrielle Kommunikationsnetze - Profile - Teil 3-19:
Funktional sichere Übertragung bei Feldbussen -
Zusätzliche Festlegungen für die
Kommunikationsprofilfamilie 19
(IEC 61784-3-19:2024)

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EN IEC 61784-3-19:2024 (E)**European foreword**

The text of document 65C/1276/CDV, future edition 1 of IEC 61784-3-19, 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 61784-3-19:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2025-11-30 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2027-11-30 document have to be withdrawn

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

IEC 61000-1-2	NOTE Approved as EN 61000-1-2
IEC 61000-6-7	NOTE Approved as EN 61000-6-7
IEC 61010-2-201	NOTE Approved as EN IEC 61010-2-201
IEC 61131-6	NOTE Approved as EN 61131-6
IEC 61158-1	NOTE Approved as EN IEC 61158-1
IEC 61158-5 (series)	NOTE Approved as EN 61158-5 (series)
IEC 61158-5-24	NOTE Approved as EN IEC 61158-5-24
IEC 61158-5-27	NOTE Approved as EN IEC 61158-5-27
IEC 61496 (series)	NOTE Approved as EN IEC 61496 (series)
IEC 61508-1	NOTE Approved as EN 61508-1
IEC 61508-4:2010	NOTE Approved as EN 61508-4:2010 (not modified)
IEC 61508-5	NOTE Approved as EN 61508-5
IEC 61784-1 (series)	NOTE Approved as EN IEC 61784-1 (series)
IEC 61784-2 (series)	NOTE Approved as EN IEC 61784-2 (series)

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ISO 13849 (series) NOTE Approved as EN ISO 13849 (series)
ISO 13849-1:2023 NOTE Approved as EN ISO 13849-1:2023 (not modified)

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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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61131-2	-	Industrial-process measurement and control - Programmable controllers - Part 2: Equipment requirements and tests	EN 61131-2	-
IEC 61158	series	Industrial communication networks - Fieldbus specifications	EN IEC 61158	series
IEC 61158-6-24	-	Industrial communication networks - Fieldbus specifications - Part 6-24: Application layer protocol specification - Type 24 elements	EN IEC 61158-6-24 -	-
IEC 61158-6-27	-	Industrial communication networks - Fieldbus Specifications Part 6-27: Application layer protocol specification - Type 27 elements	EN IEC 61158-6-27 -	-
IEC 61326-3-1	-	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 3-1: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) - General industrial applications	EN 61326-3-1	-
IEC 61326-3-2	-	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 3-2: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) - Industrial applications with specified electromagnetic environment	EN IEC 61326-3-2 -	-
IEC 61508	series	Functional safety of electrical/electronic/programmable electronic safety-related systems	EN 61508	series
IEC 61511	series	Functional safety - Safety instrumented systems for the process industry sector	EN 61511	series

EN IEC 61784-3-19:2024 (E)

IEC 61784-1-19	2023	Industrial networks - Profiles - Part 1-19: Fieldbus profiles - Communication Profile Family 19	EN IEC 61784-1-19 2023
IEC 61784-2-19	2023	Industrial networks - Profiles - Part 2-19: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 19	EN IEC 61784-2-19 2023
IEC 61784-3	-	Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions	EN IEC 61784-3 -
IEC 61784-5-19	-	Industrial networks - Profiles - Part 5-19: Installation of fieldbuses - Installation profiles for CPF 19	EN IEC 61784-5-19 -
IEC 62061	-	Safety of machinery - Functional safety of safety-related control systems	EN IEC 62061 -

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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Industrial communication networks – Profiles –
Part 3-19: Functional safety fieldbuses – Additional specifications for CPF 19**

**Réseaux de communication industriels – Profils –
Partie 3-19: Bus de terrain de sécurité fonctionnelle – Spécifications
supplémentaires pour CPF 19**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**INDUSTRIAL COMMUNICATION NETWORKS –
PROFILES –**
**Part 3-19: Functional safety fieldbuses –
Additional specifications for CPF 19**
FOREWORD

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The text of this International Standard is based on the following documents:

Draft	Report on voting
65C/1276/CDV	65C/1298/RVC

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