

<b>STN</b>	<b>Priemyselné komunikačné siete Profily Časť 5-2: Inštalácia prevádzkových zberníc Inštaláčny profily pre rad komunikačných profilov CPF 2 Zmena A1</b>	<b>STN EN IEC 61784-5-2/A1</b>  18 4020
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Industrial communication networks - Profiles - Part 5-2: Installation of fieldbuses - Installation profiles for CPF 2

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/24

STN EN IEC 61784-5-2 z mája 2019 sa bez tejto zmeny A1 môže používať do 25. 4. 2027.

Obsahuje: EN IEC 61784-5-2:2018/A1:2024, IEC 61784-5-2:2018/AMD1:2024

**138880**



EUROPEAN STANDARD

**EN IEC 61784-5-2:2018/A1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2024

ICS 25.040.40; 35.100.40

English Version

**Industrial communication networks - Profiles - Part 5-2:  
Installation of fieldbuses - Installation profiles for CPF 2  
(IEC 61784-5-2:2018/AMD1:2024)**

Réseaux de communication industriels - Profils - Partie 5-2 :  
Installation des bus de terrain - Profils d'installation pour  
CPF 2  
(IEC 61784-5-2:2018/AMD1:2024)

Industrielle Kommunikationsnetze - Profile - Teil 5-2:  
Feldbusinstallation - Installationsprofile für die  
Kommunikationsprofilfamilie 2  
(IEC 61784-5-2:2018/AMD1:2024)

This amendment A1 modifies the European Standard EN IEC 61784-5-2:2018; it was approved by CENELEC on 2024-04-25. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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

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

**EN IEC 61784-5-2:2018/A1:2024 (E)****European foreword**

The text of document 65C/1283/FDIS, future IEC 61784-5-2/AMD1, 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 61784-5-2:2018/A1:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2025-01-25 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2027-04-25 document have to be withdrawn

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

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**Endorsement notice**

The text of the International Standard IEC 61784-5-2:2018/AMD1:2024 was approved by CENELEC as a European Standard without any modification.

**EN IEC 61784-5-2:2018/A1:2024 (E)****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](http://www.cencenelec.eu).

*Replace EN IEC 61918 with the following references:*

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61918	2018	Industrial communication networks - Installation of communication networks in industrial premises	EN IEC 61918	2018 <sup>1</sup>
-	-		+ A11	2019
-	-		+ A12	2023
-	-		+ AC	2019-03
+ AMD1	2022		+ A1	2022
+ AMD2	2024		+ A2	2024

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<sup>1</sup> The normative references of EN IEC 61918:2018, EN IEC 61918:2018/A11:2019, EN IEC 61918:2018/A12:2023, EN IEC 61918:2018/AC:2019-03, EN IEC 61918:2018/A1:2022, and EN IEC 61918:2018/A2:2024 apply.



IEC 61784-5-2

Edition 4.0 2024-03

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



AMENDMENT 1  
AMENDEMENT 1

**Industrial communication networks – Profiles –  
Part 5-2: Installation of fieldbuses – Installation profiles for CPF 2**

**Réseaux de communication industriels – Profils –  
Partie 5-2: Installation des bus de terrain – Profils d'installation pour CPF 2**

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IEC 61784-5-2

Edition 4.0 2024-03

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



AMENDMENT 1  
AMENDEMENT 1

**Industrial communication networks – Profiles –  
Part 5-2: Installation of fieldbuses – Installation profiles for CPF 2**

**Réseaux de communication industriels – Profils –  
Partie 5-2: Installation des bus de terrain – Profils d'installation pour CPF 2**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**INDUSTRIAL COMMUNICATION NETWORKS –  
PROFILES –****Part 5-2: Installation of fieldbuses –  
Installation profiles for CPF 2****AMENDMENT 1****FOREWORD**

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Amendment 1 to IEC 61784-5-2:2018 has been prepared by subcommittee 65C: Industrial networks, of IEC technical committee 65: Industrial-process measurement, control and automation.



IEC 61784-5-2:2018/AMD1:2024  
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The text of this Amendment is based on the following documents:

Draft	Report on voting
65C/1283/FDIS	65C/1297/RVD

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

The language used for the development of this Amendment is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications/](http://www.iec.ch/publications/).

A list of all parts of IEC 61784-5 series, under the general title *Industrial networks – Profiles – Installation of fieldbuses*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under [webstore.iec.ch](http://webstore.iec.ch) in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

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## INTRODUCTION to Amendment 1

This Amendment 1 includes the following significant technical changes with respect to IEC 61784-5-2:2018:

- Updated references of IEC 61918:2018 to include additions of IEC 61918:2018/AMD1:2022 and IEC 61918:2018/AMD2:2024,
- Added references for consideration of security to Subclause B.4.2.2,
- Updated optical fiber specifications and references in Subclauses B.4.3.3.2 and B.4.4.1.4,
- Added definition of electromagnetic compatibility options for conformance to Subclause B.4.4.1.2.1,
- Added support of mesh bonding systems to Subclause B.4.4 and Clause B.5,
- Added acceptance of end-to-end link verification and certification testing to Clause B.6.

## FOREWORD

*Insert, after the first paragraph, the following new paragraph:*

This document is to be used in conjunction with IEC 61918:2018, IEC 61918:2018/AMD1:2022 and IEC 61918:2018/AMD2:2024.

*Delete, below the list of modifications, the following paragraph:*

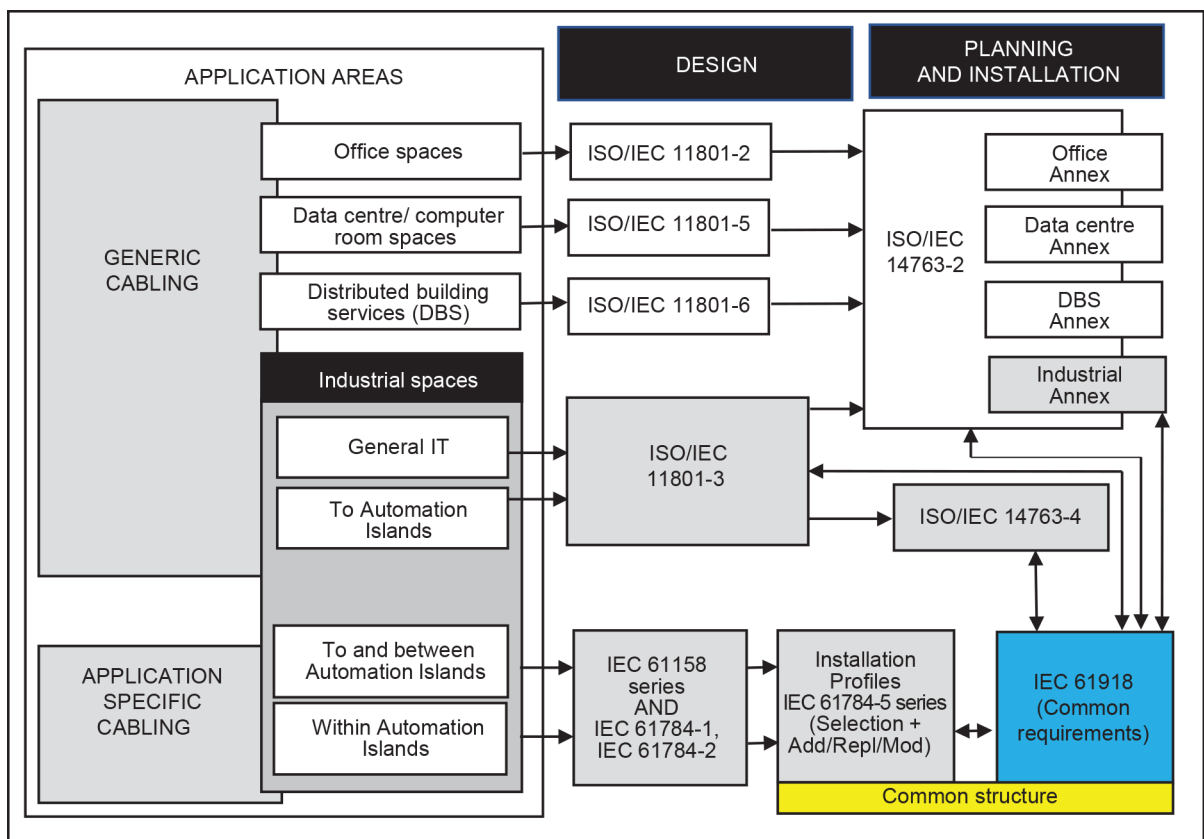
This standard is to be used in conjunction with IEC 61918:2018.

## INTRODUCTION

*Replace, at the beginning of the first paragraph, "International Standard" with "document".*

*Replace, at the beginning of the second paragraph, "IEC 61918:2018 provides" with "IEC 61918:2018, IEC 61918:2018/AMD1:2022 and IEC 61918:2018/AMD2:2024 provide".*

*Replace the existing Figure 1 with the following new figure:*



**Figure 1 – Standards relationships**

IEC 61784-5-2:2018/AMD1:2024

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## 1 Scope

*Replace the existing second paragraph with the following new paragraph:*

The installation profiles are specified in the annexes. These annexes are read in conjunction with IEC 61918:2018, IEC 61918:2018/AMD1:2022 and IEC 61918:2018/AMD2:2024.

## 2 Normative references

*Replace the existing reference to IEC 61918 with the following new reference:*

IEC 61918:2018<sup>1</sup>, *Industrial communication networks – Installation of communication networks in industrial premises*

IEC 61918:2018/AMD1:2022

IEC 61918:2018/AMD2:2024

*Delete the last sentence before the NOTE.*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**

<sup>1</sup> The normative references of IEC 61918:2018, Clause 2, IEC 61918:2018/AMD1:2022, Clause 2 and IEC 61918:2018/AMD2:2024, Clause 2, apply.