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Industrial communication networks - Profiles - Part 5-11: Installation of fieldbuses - Installation profiles for CPF 11

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

Obsahuje: EN 61784-5-11:2013, IEC 61784-5-11:2013

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English version

**Industrial communication networks -
Profiles -
Part 5-11: Installation of fieldbuses -
Installation profiles for CPF 11
(IEC 61784-5-11:2013)**

Réseaux de communication industriels -
Profils -
Partie 5-11: Installation des bus de terrain
- Profils d'installation pour CPF 11
(CEI 61784-5-11:2013)

Industrielle Kommunikationsnetze -
Profile -
Teil 5-11: Feldbusinstallation -
Installationsprofile für die
Kommunikationsprofilfamilie 11
(IEC 61784-5-11:2013)

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Foreword

The text of document 65C/738/FDIS, future edition 3 of IEC 61784-5-11, 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 61784-5-11:2013.

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) 2014-07-22
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-10-22

This document supersedes EN 61784-5-11:2012.

EN 61784-5-11:2013 includes the following significant technical changes with respect to EN 61784-5-11:2012:

- addition of a new Annex C (normative).

This standard is to be used in conjunction with EN 61918:2013.

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Annex ZA (normative)

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

Annex ZA of EN 61918:2013 applies, except as follows:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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Addition to Annex ZA of EN 61918:2013:

IEC 61918	2013	Industrial communication networks - Installation of communication networks in industrial premises	EN 61918	2013
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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Industrial communication networks – Profiles –
Part 5-11: Installation of fieldbuses – Installation profiles for CPF 11**

**Réseaux de communication industriels – Profils –
Partie 5-11: Installation des bus de terrain – Profils d'installation pour CPF 11**





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IEC 61784-5-11

Edition 3.0 2013-09

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Industrial communication networks – Profiles –
Part 5-11: Installation of fieldbuses – Installation profiles for CPF 11**

**Réseaux de communication industriels – Profils –
Partie 5-11: Installation des bus de terrain – Profils d'installation pour CPF 11**

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CONTENTS

FOREWORD.....	8
INTRODUCTION.....	10
1 Scope.....	11
2 Normative references	11
3 Terms, definitions and abbreviated terms	11
4 CPF 11: Overview of installation profiles	11
5 Installation profile conventions	11
6 Conformance to installation profiles.....	12
Annex A (normative) CP 11/1 (TCnet-star) specific installation profile.....	14
A.1 Installation profile scope.....	14
A.2 Normative references	14
A.3 Installation profile terms, definitions, and abbreviated terms.....	14
A.4 Installation planning	14
A.4.1 General.....	14
A.4.2 Planning requirements.....	14
A.4.2.1 Safety.....	14
A.4.2.2 Security.....	14
A.4.2.3 Environmental considerations and EMC.....	14
A.4.2.4 Specific requirements for generic cabling in accordance with ISO/IEC 24702	14
A.4.3 Network capabilities	14
A.4.3.1 Network topology.....	14
A.4.3.2 Network characteristics	15
A.4.4 Selection and use of cabling components.....	17
A.4.4.1 Cable selection	17
A.4.4.2 Connecting hardware selection	18
A.4.4.3 Connections within a channel/permanent link.....	20
A.4.4.4 Terminators	20
A.4.4.5 Device location and connection.....	20
A.4.4.6 Coding and labelling	20
A.4.4.7 Earthing and bonding of equipment and devices and shielded cabling.....	20
A.4.4.8 Storage and transportation of cables.....	20
A.4.4.9 Routing of cables	20
A.4.4.10 Separation of circuit.....	20
A.4.4.11 Mechanical protection of cabling components	21
A.4.4.12 Installation in special areas.....	21
A.4.5 Cabling planning documentation.....	21
A.4.6 Verification of cabling planning specification	21
A.5 Installation implementation	21
A.5.1 General requirements.....	21
A.5.2 Cable installation.....	21
A.5.2.1 General requirements for all cabling types.....	21
A.5.2.2 Installation and routing	22
A.5.2.3 Specific requirements for CPs	22

A.5.2.4	Specific requirements for wireless installation.....	22
A.5.2.5	Specific requirements for generic cabling in accordance with ISO/IEC 24702	22
A.5.3	Connector installation.....	22
A.5.4	Terminator installation.....	22
A.5.5	Device installation	22
A.5.6	Coding and labelling.....	22
A.5.7	Earthing and bonding of equipment and devices and shield cabling.....	22
A.5.8	As-implemented cabling documentation.....	22
A.6	Installation verification and installation acceptance test.....	22
A.6.1	General	22
A.6.2	Installation verification.....	22
A.6.2.1	General.....	22
A.6.2.2	Verification according to cabling planning documentation.....	22
A.6.2.3	Verification of earthing and bonding	22
A.6.2.4	Verification of shield earthing.....	22
A.6.2.5	Verification of cabling system.....	22
A.6.2.6	Cable selection verification	22
A.6.2.7	Connector verification	23
A.6.2.8	Connection verification.....	23
A.6.2.9	Terminators verification.....	23
A.6.2.10	Coding and labelling verification	23
A.6.2.11	Verification report	23
A.6.3	Installation acceptance test	23
A.6.3.1	General	23
A.6.3.2	Acceptance test of Ethernet-based cabling	23
A.6.3.3	Acceptance test of non-Ethernet-based cabling	23
A.6.3.4	Specific requirements for wireless installation.....	23
A.6.3.5	Acceptance test report.....	23
A.7	Installation administration.....	23
A.8	Installation maintenance and installation troubleshooting	23
Annex B (normative)	CP 11/2 (TCnet-loop 100) specific installation profile	24
B.1	Installation profile scope.....	24
B.2	Normative references	24
B.3	Installation profile terms, definitions, and abbreviated terms.....	24
B.4	Installation planning	24
B.4.1	General	24
B.4.2	Planning requirements.....	24
B.4.2.1	Safety.....	24
B.4.2.2	Security.....	24
B.4.2.3	Environmental considerations and EMC.....	24
B.4.2.4	Specific requirements for generic cabling in accordance with ISO/IEC 24702	24
B.4.3	Network capabilities	24
B.4.3.1	Network topology.....	24
B.4.3.2	Network characteristics	24
B.4.4	Selection and use of cabling components.....	27
B.4.4.1	Cable selection	27

B.4.4.2	Connecting hardware selection	28
B.4.4.3	Connections within a channel/permanent link	30
B.4.4.4	Terminators	30
B.4.4.5	Device location and connection	30
B.4.4.6	Coding and labelling	30
B.4.4.7	Earthing and bonding of equipment and devices and shielded cabling	30
B.4.4.8	Storage and transportation of cables	30
B.4.4.9	Routing of cables	30
B.4.4.10	Separation of circuit	30
B.4.4.11	Mechanical protection of cabling components	31
B.4.4.12	Installation in special areas	31
B.4.5	Cabling planning documentation	31
B.4.6	Verification of cabling planning specification	31
B.5	Installation implementation	31
B.5.1	General requirements	31
B.5.2	Cable installation	31
B.5.2.1	General requirements for all cabling types	31
B.5.2.2	Installation and routing	32
B.5.2.3	Specific requirements for CPs	32
B.5.2.4	Specific requirements for wireless installation	32
B.5.2.5	Specific requirements for generic cabling in accordance with ISO/IEC 24702	32
B.5.3	Connector installation	32
B.5.4	Terminator installation	32
B.5.5	Device installation	32
B.5.6	Coding and labelling	32
B.5.7	Earthing and bonding of equipment and devices and shield cabling	32
B.5.8	As-implemented cabling documentation	33
B.6	Installation verification and installation acceptance test	33
B.6.1	General	33
B.6.2	Installation verification	33
B.6.2.1	General	33
B.6.2.2	Verification according to cabling planning documentation	33
B.6.2.3	Verification of earthing and bonding	33
B.6.2.4	Verification of shield earthing	33
B.6.2.5	Verification of cabling system	33
B.6.2.6	Cable selection verification	33
B.6.2.7	Connector verification	33
B.6.2.8	Connection verification	33
B.6.2.9	Terminators verification	33
B.6.2.10	Coding and labelling verification	33
B.6.2.11	Verification report	33
B.6.3	Installation acceptance test	33
B.6.3.1	General	33
B.6.3.2	Acceptance test of Ethernet-based cabling	33
B.6.3.3	Acceptance test of non-Ethernet-based cabling	33
B.6.3.4	Specific requirements for wireless installation	33
B.6.3.5	Acceptance test report	34

B.7 Installation administration.....	34
B.8 Installation maintenance and installation troubleshooting	34
Annex C (normative) CP 11/3 (TCnet-loop 1G) specific installation profile	35
C.1 Installation profile scope.....	35
C.2 Normative references	35
C.3 Installation profile terms, definitions, and abbreviated terms.....	35
C.4 Installation planning	35
C.4.1 General	35
C.4.2 Planning requirements.....	35
C.4.2.1 Safety.....	35
C.4.2.2 Security.....	35
C.4.2.3 Environmental considerations and EMC.....	35
C.4.2.4 Specific requirements for generic cabling in accordance with ISO/IEC 24702	35
C.4.3 Network capabilities	35
C.4.3.1 Network topology.....	35
C.4.3.2 Network characteristics	35
C.4.4 Selection and use of cabling components.....	37
C.4.4.1 Cable selection	37
C.4.4.2 Connecting hardware selection	37
C.4.4.3 Connections within a channel/permanent link.....	38
C.4.4.4 Terminators	38
C.4.4.5 Device location and connection.....	39
C.4.4.6 Coding and labelling	39
C.4.4.7 Earthing and bonding of equipment and devices and shielded cabling.....	39
C.4.4.8 Storage and transportation of cables.....	39
C.4.4.9 Routing of cables	39
C.4.4.10 Separation of circuit.....	39
C.4.4.11 Mechanical protection of cabling components	39
C.4.4.12 Installation in special areas.....	39
C.4.5 Cabling planning documentation.....	39
C.4.6 Verification of cabling planning specification	39
C.5 Installation implementation	40
C.5.1 General requirements.....	40
C.5.2 Cable installation.....	40
C.5.2.1 General requirements for all cabling types	40
C.5.2.2 Installation and routing	40
C.5.2.3 Specific requirements for CPs	40
C.5.2.4 Specific requirements for wireless installation.....	40
C.5.2.5 Specific requirements for generic cabling in accordance with ISO/IEC 24702	40
C.5.3 Connector installation.....	40
C.5.4 Terminator installation.....	40
C.5.5 Device installation	40
C.5.6 Coding and labelling.....	40
C.5.7 Earthing and bonding of equipment and devices and shield cabling.....	40
C.5.8 As-implemented cabling documentation.....	41

C.6 Installation verification and installation acceptance test	41
C.6.1 General	41
C.6.2 Installation verification	41
C.6.2.1 General	41
C.6.2.2 Verification according to cabling planning documentation	41
C.6.2.3 Verification of earthing and bonding	41
C.6.2.4 Verification of shield earthing	41
C.6.2.5 Verification of cabling system	41
C.6.2.6 Cable selection verification	41
C.6.2.7 Connector verification	41
C.6.2.8 Connection verification	41
C.6.2.9 Terminators verification	41
C.6.2.10 Coding and labelling verification	41
C.6.2.11 Verification report	41
C.6.3 Installation acceptance test	41
C.6.3.1 General	41
C.6.3.2 Acceptance test of Ethernet-based cabling	41
C.6.3.3 Acceptance test of non-Ethernet-based cabling	41
C.6.3.4 Specific requirements for wireless installation	41
C.6.3.5 Acceptance test report	42
C.7 Installation administration	42
C.8 Installation maintenance and installation troubleshooting	42
Figure 1 – Standards relationships	10
Table A.1 – Network characteristics for balanced cabling based on Ethernet	15
Table A.2 – Network characteristics for optical fibre cabling	16
Table A.3 – Information relevant to copper cable: fixed cables	17
Table A.4 – Information relevant to copper cable: cords	17
Table A.5 – Information relevant to optical fibre cables	18
Table A.6 – Connectors for balanced cabling CPs based on Ethernet	19
Table A.7 – Optical fibre connecting hardware	19
Table A.8 – Relationship between FOC and fibre types (CP 11/1)	19
Table A.9 – Recommended minimum distances specific for CP 11/1	20
Table A.10 – Parameters for balanced cables	21
Table A.11 – Parameters for silica optical fibre cables	21
Table B.1 – Network characteristics for balanced cabling based on Ethernet	25
Table B.2 – Network characteristics for optical fibre cabling	26
Table B.3 – Information relevant to copper cable: fixed cables	27
Table B.4 – Information relevant to copper cable: cords	27
Table B.5 – Information relevant to optical fibre cables	28
Table B.6 – Connectors for balanced cabling CPs based on Ethernet	29
Table B.7 – Optical fibre connecting hardware	29
Table B.8 – Relationship between FOC and fibre types (CP 11/2)	29
Table B.9 – Recommended minimum distances specific for CP 11/2	31
Table B.10 – Parameters for balanced cables	31

Table B.11 – Parameters for silica optical fibre cables	32
Table C.1 – Network characteristics for optical fibre cabling	36
Table C.2 – Information relevant to optical fibre cables	37
Table C.3 – Optical fibre connecting hardware	38
Table C.4 – Relationship between FOC and fibre types (CP 11/3).....	38
Table C.5 – Parameters for silica optical fibre cables	40

INTERNATIONAL ELECTROTECHNICAL COMMISSION

INDUSTRIAL COMMUNICATION NETWORKS – PROFILES –

Part 5-11: Installation of fieldbuses – Installation profiles for CPF 11

FOREWORD

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International Standard IEC 61784-5-11 has been prepared by subcommittee 65C: Industrial networks, of IEC technical committee 65: Industrial-process measurement, control and automation.

This third edition cancels and replaces the second edition published in 2010. This edition constitutes a technical revision.

This edition includes the following technical changes with respect to the previous edition:

- Addition of a new Annex C (normative).

This standard is to be used in conjunction with IEC 61918:2013.

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

FDIS	Report on voting
65C/738/FDIS	65C/743/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 the ISO/IEC Directives, Part 2.

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

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

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INTRODUCTION

This International Standard is one of a series produced to facilitate the use of communication networks in industrial control systems.

IEC 61918:2013 provides the common requirements for the installation of communication networks in industrial control systems. This installation profile standard provides the installation profiles of the communication profiles (CP) of a specific communication profile family (CPF) by stating which requirements of IEC 61918 fully apply and, where necessary, by supplementing, modifying, or replacing the other requirements (see Figure 1).

For general background on fieldbuses, their profiles, and relationship between the installation profiles specified in this standard see IEC 61158-1.

Each CP installation profile is specified in a separate annex of this standard. Each annex is structured exactly as the reference standard IEC 61918 for the benefit of the persons representing the roles in the fieldbus installation process as defined in IEC 61918 (planner, installer, verification personnel, validation personnel, maintenance personnel, administration personnel). By reading the installation profile in conjunction with IEC 61918, these persons immediately know which requirements are common for the installation of all CPs and which are modified or replaced. The conventions used to draft this standard are defined in Clause 5.

The provision of the installation profiles in one standard for each CPF (for example IEC 61784-5-11 for CPF 11), allows readers to work with standards of a convenient size.

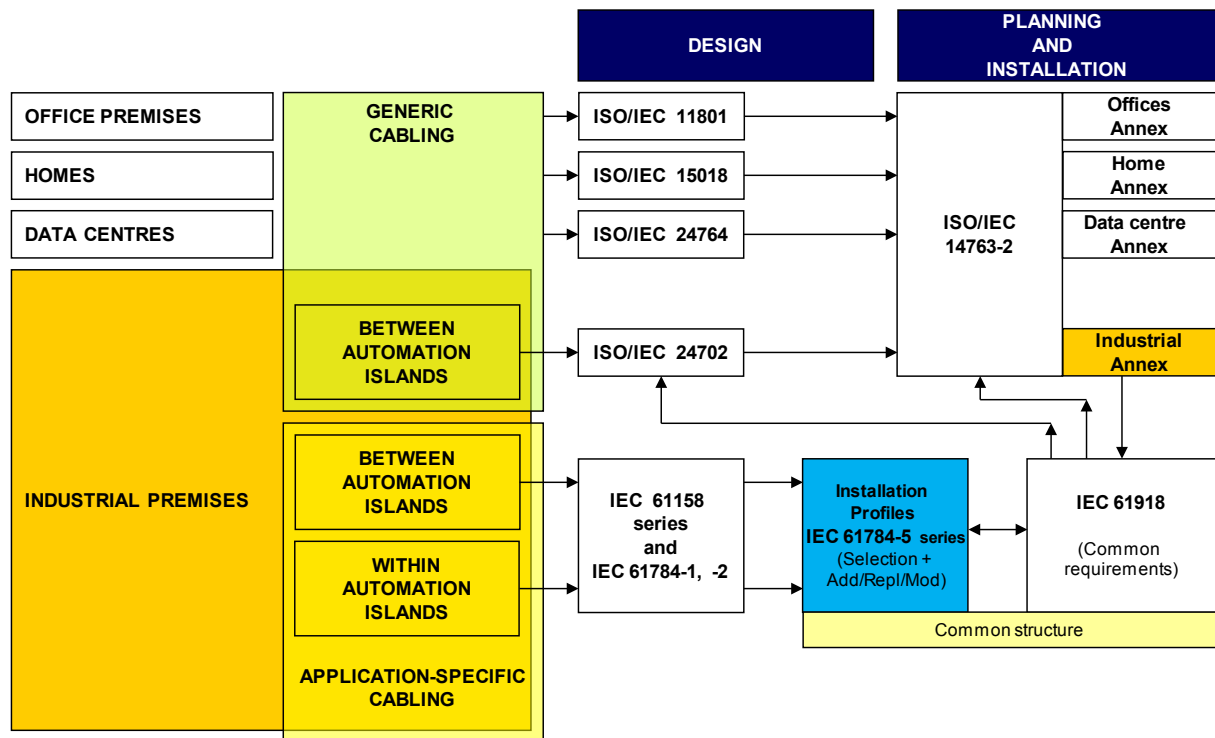


Figure 1 – Standards relationships

INDUSTRIAL COMMUNICATION NETWORKS – PROFILES –

Part 5-11: Installation of fieldbuses – Installation profiles for CPF 11

1 Scope

This part of IEC 61784-5 specifies the installation profiles for CPF 11 (TCnet¹).

The installation profiles are specified in the annexes. These annexes are read in conjunction with IEC 61918:2013.

2 Normative references

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.

IEC 61918:2013, *Industrial communication networks – Installation of communication networks in industrial premises*

The normative references of IEC 61918:2013, Clause 2, apply. For profile specific normative references see Clause A.2.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

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