Irish Standard
I.S. EN 61784-5-6:2013

Industrial communication networks - Profiles -- Part 5-6: Installation of fieldbuses - Installation profiles for CPF 6

I.S. EN 61784-5-6:2013

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:	*Published:*
EN 61784-5-6:2013	2013-12-13

This document was published under the authority of the NSAI and comes into effect on:	ICS number:
2013-12-24	25.040.40 35.100.40
	NOTE: If blank see CEN/CENELEC cover page

NSAI	T +353 1 807 3800	Sales:
1 Swift Square,	F +353 1 807 3838	T +353 1 857 6730
Northwood, Santry	E standards@nsai.ie	F +353 1 857 6729
Dublin 9	W NSAI.ie	W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61784-5-6

December 2013

ICS 25.040.40; 35.100.40

Supersedes EN 61784-5-6:2012

English version

Industrial communication networks - Profiles - Part 5-6: Installation of fieldbuses - Installation profiles for CPF 6

(IEC 61784-5-6:2013)

Réseaux de communication industriels - Profils - Partie 5-6: Installation des bus de terrain - Profils d'installation pour CPF 6 (CEI 61784-5-6:2013)

Industrielle Kommunikationsnetze - Profile - Teil 5-6: Feldbusinstallation - Installationsprofile für die Kommunikationsprofilfamilie 6 (IEC 61784-5-6:2013)

This European Standard was approved by CENELEC on 2013-10-22. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard 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 European Standard 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

CENELEC

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 65C/738/FDIS, future edition 3 of IEC 61784-5-6, 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 61784-5-6:2013.

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 61784-5-6:2012.

EN 61784-5-6:2013 includes the following significant technical changes with respect to EN 61784-5-6:2012:

– alignment with EN 61918:2013;

– addition of new connectors.

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

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

Endorsement notice

The text of the International Standard IEC 61784-5-6:2013 was approved by CENELEC as a European Standard without any modification.

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

IEC/TR 61158-1	NOTE	Harmonized as CLC/TR 61158-1.
IEC 61158 Series	NOTE	Harmonized as EN 61158 Series (not modified).

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

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.

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:

Publication	Year	Title	EN/HD	Year

Addition to Annex ZA of EN 61918:2013:

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

This page is intentionally left blank

IEC 61784-5-6

Edition 3.0 2013-09

INTERNATIONAL STANDARD

NORME INTERNATIONALE

colour inside

Industrial communication networks – Profiles – Part 5-6: Installation of fieldbuses – Installation profiles for CPF 6

Réseaux de communication industriels – Profils – Partie 5-6: Installation des bus de terrain – Profils d'installation pour CPF 6

IEC Central Office
3, rue de Varembé
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
Fax: +41 22 919 03 00
info@iec.ch
www.iec.ch

About the IEC

The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes International Standards for all electrical, electronic and related technologies.

About IEC publications

The technical content of IEC publications is kept under constant review by the IEC. Please make sure that you have the latest edition, a corrigenda or an amendment might have been published.

Useful links:

IEC publications search - www.iec.ch/searchpub

The advanced search enables you to find IEC publications by a variety of criteria (reference number, text, technical committee,…).
It also gives information on projects, replaced and withdrawn publications.

IEC Just Published - webstore.iec.ch/justpublished

Stay up to date on all new IEC publications. Just Published details all new publications released. Available on-line and also once a month by email.

Electropedia - www.electropedia.org

The world's leading online dictionary of electronic and electrical terms containing more than 30 000 terms and definitions in English and French, with equivalent terms in additional languages. Also known as the International Electrotechnical Vocabulary (IEV) on-line.

Customer Service Centre - webstore.iec.ch/csc

If you wish to give us your feedback on this publication or need further assistance, please contact the Customer Service Centre: csc@iec.ch.

A propos de la CEI

La Commission Electrotechnique Internationale (CEI) est la première organisation mondiale qui élabore et publie des Normes internationales pour tout ce qui a trait à l'électricité, à l'électronique et aux technologies apparentées.

A propos des publications CEI

Le contenu technique des publications de la CEI est constamment revu. Veuillez vous assurer que vous possédez l'édition la plus récente, un corrigendum ou amendement peut avoir été publié.

Liens utiles:

Recherche de publications CEI - www.iec.ch/searchpub

La recherche avancée vous permet de trouver des publications CEI en utilisant différents critères (numéro de référence, texte, comité d'études,…).
Elle donne aussi des informations sur les projets et les publications remplacées ou retirées.

Just Published CEI - webstore.iec.ch/justpublished

Restez informé sur les nouvelles publications de la CEI. Just Published détaille les nouvelles publications parues. Disponible en ligne et aussi une fois par mois par email.

Electropedia - www.electropedia.org

Le premier dictionnaire en ligne au monde de termes électroniques et électriques. Il contient plus de 30 000 termes et définitions en anglais et en français, ainsi que les termes équivalents dans les langues additionnelles. Egalement appelé Vocabulaire Electrotechnique International (VEI) en ligne.

Service Clients - webstore.iec.ch/csc

Si vous désirez nous donner des commentaires sur cette publication ou si vous avez des questions contactez-nous: csc@iec.ch.

IEC 61784-5-6

Edition 3.0 2013-09

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Industrial communication networks – Profiles – Part 5-6: Installation of fieldbuses – Installation profiles for CPF 6

Réseaux de communication industriels – Profils – Partie 5-6: Installation des bus de terrain – Profils d'installation pour CPF 6

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

PRICE CODE
CODE PRIX XA

ICS 25.040.40; 35.100.40

ISBN 978-2-8322-1061-1

CONTENTS

FOREWORD 7
INTRODUCTION 9
1 Scope 10
2 Normative references 10
3 Terms, definitions and abbreviated terms 10
4 CPF 6: Overview of installation profiles 10
5 Installation profile conventions 10
6 Conformance to installation profiles 11
Annex A (normative) CPF 6 Type 8 network specific installation profile 13
A.1 Installation profile scope 13
A.2 Normative references 13
A.3 Installation profile terms, definitions, and abbreviated terms 13
A.3.1 Terms and definitions 13
A.3.2 Abbreviated terms 14
A.3.3 Conventions for installation profiles 15
A.4 Installation planning 15
A.4.1 General 15
A.4.1.1 Objective 15
A.4.1.2 Cabling in industrial premises 15
A.4.1.3 The planning process 15
A.4.1.4 Specific requirements for CPs 15
A.4.1.5 Specific requirements for generic cabling in accordance with ISO/IEC 24702 15
A.4.2 Planning requirements 15
A.4.2.1 Safety 15
A.4.2.2 Security 15
A.4.2.3 Environmental considerations and EMC 15
A.4.2.4 Specific requirements for generic cabling in accordance with ISO/IEC 24702 16
A.4.3 Network capabilities 16
A.4.3.1 Network topology 16
A.4.3.2 Network characteristics 18
A.4.4 Selection and use of cabling components 20
A.4.4.1 Cable selection 20
A.4.4.2 Connecting hardware selection 24
A.4.4.3 Connections within a channel/permanent link 25
A.4.4.4 Terminators 26
A.4.4.5 Device location and connection 26
A.4.4.6 Coding and labelling 26
A.4.4.7 Earthing and bonding of equipment and devices and shielded cabling 27
A.4.4.8 Storage and transportation of cables 28
A.4.4.9 Routing of cables 28
A.4.4.10 Separation of circuit 28
A.4.4.11 Mechanical protection of cabling components 28

A.4.4.12 Installation in special areas 28
A.4.5 Cabling planning documentation 28
A.4.5.1 Common description 28
A.4.5.2 Cabling planning documentation for CPs 28
A.4.5.3 Network certification documentation 29
A.4.5.4 Cabling planning documentation for generic cabling in accordance with ISO/IEC 24702 29
A.4.6 Verification of cabling planning specification 29
A.5 Installation implementation 29
A.5.1 General requirements 29
A.5.1.1 Common description 29
A.5.1.2 Installation of CPs 29
A.5.1.3 Installation of generic cabling in industrial premises 29
A.5.2 Cable installation 29
A.5.2.1 General requirements for all cabling types 29
A.5.2.2 Installation and routing 31
A.5.2.3 Specific requirements for CPs 31
A.5.2.4 Specific requirements for wireless installation 31
A.5.2.5 Specific requirements for generic cabling in accordance with ISO/IEC 24702 31
A.5.3 Connector installation 31
A.5.3.1 Common description 31
A.5.3.2 Shielded connectors 31
A.5.3.3 Unshielded connectors 31
A.5.3.4 Specific requirements for CPs 31
A.5.3.5 Specific requirements for wireless installation 33
A.5.3.6 Specific requirements for generic cabling in accordance with ISO/IEC 24702 33
A.5.4 Terminator installation 33
A.5.5 Device installation 33
A.5.6 Coding and labelling 33
A.5.7 Earthing and bonding of equipment and devices and shield cabling 33
A.5.8 As-implemented cabling documentation 33
A.6 Installation verification and installation acceptance test 33
A.6.1 General 33
A.6.2 Installation verification 33
A.6.2.1 General 33
A.6.2.2 Verification according to cabling planning documentation 33
A.6.2.3 Verification of earthing and bonding 33
A.6.2.4 Verification of shield earthing 34
A.6.2.5 Verification of cabling system 34
A.6.2.6 Cable selection verification 34
A.6.2.7 Connector verification 34
A.6.2.8 Connection verification 34
A.6.2.9 Terminators verification 34
A.6.2.10 Coding and labelling verification 34
A.6.2.11 Verification report 34
A.6.3 Installation acceptance test 34
A.6.3.1 General 34

A.6.3.2 Acceptance test of Ethernet based cabling 34
A.6.3.3 Acceptance test of non-Ethernet-based cabling 34
A.6.3.4 Specific requirements for wireless installation 35
A.6.3.5 Acceptance test report 35
A.7 Installation administration 35
A.8 Installation maintenance and installation troubleshooting 35
Annex B (normative) CPF 6 Ethernet network specific installation profile 36
B.1 Installation profile scope 36
B.2 Normative references 36
B.3 Installation profile terms, definitions, and abbreviated terms 36
B.3.1 Terms and definitions 36
B.3.2 Abbreviated terms 36
B.3.3 Conventions for installation profiles 36
B.4 Installation planning 37
B.4.1 General 37
B.4.1.1 Objective 37
B.4.1.2 Cabling in industrial premises 37
B.4.1.3 The planning process 37
B.4.1.4 Specific requirements for CPs 37
B.4.1.5 Specific requirements for generic cabling in accordance with ISO/IEC 24702 37
B.4.2 Planning requirements 37
B.4.2.1 Safety 37
B.4.2.2 Security 37
B.4.2.3 Environmental considerations and EMC 37
B.4.2.4 Specific requirements for generic cabling in accordance with ISO/IEC 24702 38
B.4.3 Network capabilities 38
B.4.3.1 Network topology 38
B.4.3.2 Network characteristics 38
B.4.4 Selection and use of cabling components 40
B.4.4.1 Cable selection 40
B.4.4.2 Connecting hardware selection 43
B.4.4.3 Connections within a channel/permanent link 47
B.4.4.4 Terminators 48
B.4.4.5 Device location and connection 48
B.4.4.6 Coding and labelling 48
B.4.4.7 Earthing and bonding of equipment and devices and shielded cabling 48
B.4.4.8 Storage and transportation of cables 48
B.4.4.9 Routing of cables 48
B.4.4.10 Separation of circuit 48
B.4.4.11 Mechanical protection of cabling components 48
B.4.4.12 Installation in special areas 48
B.4.5 Cabling planning documentation 48
B.4.6 Verification of cabling planning specification 48
B.5 Installation implementation 48
B.5.1 General requirements 48

B.5.2 Cable installation 49
B.5.2.1 General requirements for all cabling types 49
B.5.2.2 Installation and routing 50
B.5.2.3 Specific requirements for CPs 50
B.5.2.4 Specific requirements for wireless installation 50
B.5.2.5 Specific requirements for generic cabling in accordance with ISO/IEC 24702 50
B.5.3 Connector installation 50
B.5.3.1 Common description 50
B.5.3.2 Shielded connectors 50
B.5.3.3 Unshielded connectors 50
B.5.3.4 Specific requirements for CPs 50
B.5.3.5 Specific requirements for wireless installation 51
B.5.3.6 Specific requirements for generic cabling in accordance with ISO/IEC 24702 51
B.5.4 Terminator installation 51
B.5.5 Device installation 51
B.5.6 Coding and labelling 51
B.5.7 Earthing and bonding of equipment and devices and shield cabling 51
B.5.8 As-implemented cabling documentation 51
B.6 Installation verification and installation acceptance test 51
B.6.1 General 51
B.6.2 Installation verification 51
B.6.3 Installation acceptance test 51
B.7 Installation administration 51
B.8 Installation maintenance and installation troubleshooting 51
Bibliography 52

Figure 1 – Standards relationships 9
Figure A.1 – Type 8 network structure example 17
Figure A.2 – Example of a Type 8 network configuration 18
Figure A.3 – Sub-D connector pin assignment 32
Figure A.4 – M23 circular connector pin assignment 32
Figure A.5 – M12 circular connector pin assignment 32
Figure A.6 – Terminal connector at the device 33
Figure B.1 – Plug connector interface M12-FO 45
Figure B.2 – Adaptor connector interface M12-FO 46
Figure B.3 – Terminal connector at the device 50

Table A.1 – Basic network characteristics for balanced cabling not based on Ethernet 19
Table A.2 – Network characteristics for optical fibre cabling 20
Table A.3 – Information relevant to balanced cable: fixed cables 21
Table A.4 – Information relevant to balanced cable: cords 22
Table A.5 – Remote bus fibre optic cable length 24
Table A.6 – Connectors for copper cabling CPs not based on Ethernet 24
Table A.7 – Optical fibre connecting hardware 25
Table A.8 – Relationship between FOC and fibre types (Type 8 networks) 25

Table A.9 – Colour code for balanced cables used by Type 8 networks 27
Table A.10 – Parameters for balanced cables 29
Table A.11 – Parameters for silica optical fibre cables 30
Table A.12 – Parameters for POF optical fibre cables 30
Table A.13 – Parameters for hard clad silica optical fibre cables 30
Table A.14 – Pin assignment of the terminal connector 33
Table B.1 – Network characteristics for balanced cabling based on Ethernet 39
Table B.2 – Network characteristics for optical fibre cabling 39
Table B.3 – Information relevant to balanced cable: fixed cables 41
Table B.4 – Information relevant to balanced cable: cords 42
Table B.5 – Information relevant to optical fibre cables 43
Table B.6 – Connectors for balanced cabling CPs based on Ethernet 44
Table B.7 – Optical fibre connecting hardware 44
Table B.8 – Dimensions of plug connector interface M12-FO 45
Table B.9 – Dimensions of adaptor connector interface M12-FO 46
Table B.10 – Relationship between FOC and fibre types (CP 6/2 Ethernet network) 47
Table B.11 – Parameters for balanced cables 49
Table B.12 – Parameters for silica optical fibre cables 49
Table B.13 – Parameters for POF optical fibre cables 49
Table B.14 – Parameters for hard clad silica optical fibre cables 50

INTERNATIONAL ELECTROTECHNICAL COMMISSION

INDUSTRIAL COMMUNICATION NETWORKS – PROFILES –

Part 5-6: Installation of fieldbuses – Installation profiles for CPF 6

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of 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, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). 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. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
6) All users should ensure that they have the latest edition of this publication.
7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61784-5-6 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:

– Alignment with IEC 61918:2013.
– Addition of new connectors.

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 communication 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

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

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

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 61784-5-6 for CPF 6), allows readers to work with standards of a convenient size.

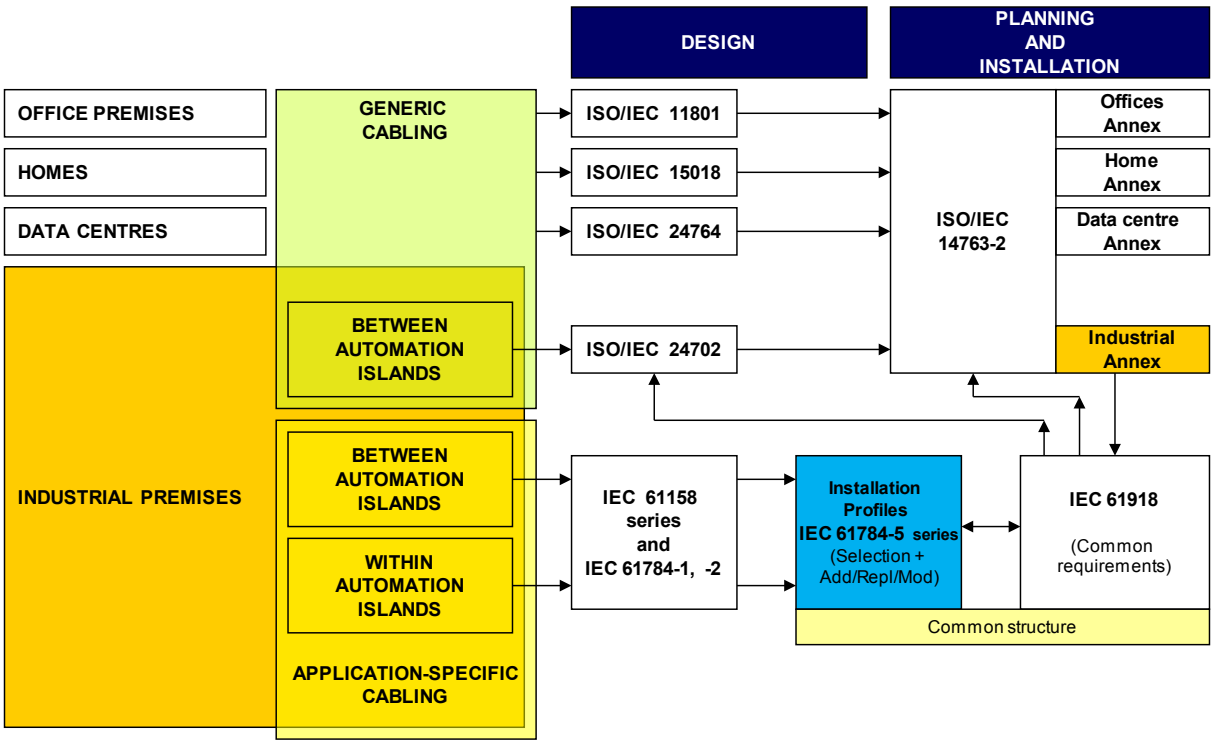

Figure 1 – Standards relationships

INDUSTRIAL COMMUNICATION NETWORKS – PROFILES –

Part 5-6: Installation of fieldbuses – Installation profiles for CPF 6

1 Scope

This part of IEC 61784-5 specifies the installation profiles for CPF 6 (INTERBUS)[1].

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 Clauses A.2 and B.2.

3 Terms, definitions and abbreviated terms

For the purposes of this document, the terms, definitions and abbreviated terms given in IEC 61918:2013, Clause 3, apply. For profile specific terms, definitions and abbreviated terms see Clauses A.3 and B.3.

4 CPF 6: Overview of installation profiles

CPF 6 consists of seven communication profiles (see IEC 61784-1 for CP 6/1, CP 6/2, CP 6/3, see IEC 61784-2 for CP 6/4, CP 6/5, CP 6/6, see IEC 61784-3-6 for FSCP 6/7).

The CPF 6 Type 8 network (non-Ethernet-based) installation profile is specified in Annex A.

The CPF 6 Ethernet network specific installation profile is specified in Annex B.

5 Installation profile conventions

The numbering of the clauses and subclauses in the annexes of this standard corresponds to the numbering of IEC 61918:2013 main clauses and subclauses.

---

[1] INTERBUS is a trade name of INTERBUS Club, an independent organisation of users and vendors of INTERBUS products. This information is given for the convenience of users of this International Standard and does not constitute an endorsement by IEC of the trademark holder or any of its products. Compliance to this profile does not require use of the trade name INTERBUS. Use of the trade name INTERBUS requires permission of the trade name holder.