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EESTI STANDARDI EESSÕNA

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See Eesti standard EVS-EN 61784-5-15:2012	This Estonian standard EVS-EN 61784-5-15:2012
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ingliskeelset teksti.	EN 61784-5-15:2012.
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avaldamisega EVS Teatajas.	published in the official bulletin of the Estonian Centre for Standardisation.
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ICS 25.040.40, 35.100.40

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EUROPEAN STANDARD

EN 61784-5-15

NORME EUROPÉENNE EUROPÄISCHE NORM

April 2012

ICS 25.040.40; 35.100.40

English version

Industrial communication networks Profiles Part 5-15: Installation of fieldbuses Installation profiles for CPF 15
(IEC 61784-5-15:2010)

Réseaux de communication industriels -Profils -Partie 5-15: Installation des bus de terrain -Profils d'installation pour CPF 15 (CEI 61784-5-15:2010)

Industrielle Kommunikationsnetze -Profile -Teil 5-15: Feldbusinstallation -Installationsprofile für die Kommunikationsprofilfamilie 15 (IEC 61784-5-15:2010)

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CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 65C/602/FDIS, future edition 1 of IEC 61784-5-15, 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 61784-5-15:2012.

The following dates are fixed:

latest date by which the document has	(dop)	2012-10-20
to be implemented at national level by		
publication of an identical national		
standard or by endorsement		
latest date by which the national	(dow)	2014-10-19
standards conflicting with the		
document have to be withdrawn		
	to be implemented at national level by publication of an identical national standard or by endorsement latest date by which the national standards conflicting with the	to be implemented at national level by publication of an identical national standard or by endorsement latest date by which the national standards conflicting with the

This standard is to be used in conjunction with IEC 61918, second edition (2010-07), together with the European Common Modification published with EN 61918:2008.

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The text of the International Standard IEC 61784-5-15:2010 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

applies.				
<u>Publication</u>	<u>Year</u>	Title	EN/HD	<u>Year</u>
IEC 61918	2010	Industrial communication networks - Installation of communication networks in industrial premises	-	-
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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 61918:2010 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/TR 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 61784-5-15 for CPF 15), allows readers to work with standards of a convenient size.

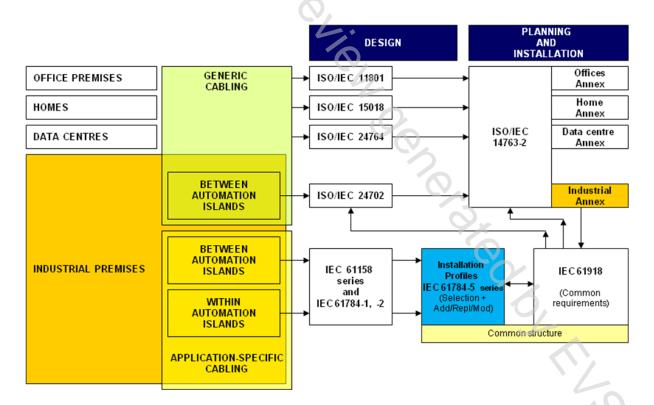


Figure 1 - Standards relationships

INDUSTRIAL COMMUNICATION NETWORKS – PROFILES –

Part 5-15: Installation of fieldbuses – Installation profiles for CPF 15

1 Scope

This part of IEC 61784 specifies the installation profiles for CPF 15/1 (MODBUS™-TCP)¹ and CPF 15/2 (RTPS).

The installation profiles are specified in the annex. This annex is read in conjunction with IEC 61918:2010.

2 Normative references

The following referenced documents are indispensable for the application 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.

IEC 61918:2010, Industrial communication networks – Installation of communication networks in industrial premises

The normative references of IEC 61918:2010, Clause 2, apply. For profile specific normative references, see Clause A.2.

3 Terms, definitions and abbreviated terms

For the purposes of this document, the terms, definitions and abbreviated terms of IEC 61918:2010, Clause 3, apply. For profile specific terms, definitions and abbreviated terms see Clause A.3.

4 CPF 15: Overview of installation profiles

CPF 15 consists of two communication profiles as specified in IEC 61784-2.

The installation requirements for CP 15/1 (MODBUS TCP) and CP 15/2 (MODBUS with RTPS) are identical and are specified in Annex A.

5 Installation profile conventions

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

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