

INTERNATIONAL STANDARD

NORME INTERNATIONALE



AMENDMENT 1
AMENDEMENT 1

**Industrial communication networks – Profiles –
Part 5-21: Installation of fieldbuses – Installation profiles for CPF 21**

**Réseaux de communication industriels – Profils –
Partie 5-21: Installation des bus de terrain – Profils d'installation pour CPF 21**

[IEC 61784-5-21:2018/AMD1:2024](https://standards.iteh.ai/catalog/standards/iec/32b227c5-07d6-4aa7-b6a7-3e9e3d79c9a0/iec-61784-5-21-2018-amd1-2024)

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PROFILES –****Part 5-21: Installation of fieldbuses –
Installation profiles for CPF 21****AMENDMENT 1****FOREWORD**

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Amendment 1 to IEC 61784-5-21:2018 has been prepared by subcommittee 65C: Industrial networks, of IEC technical committee 65: Industrial-process measurement, control and automation.

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. The main document types developed by IEC are described in greater detail at 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 in the data related to the specific document. At this date, the document will be

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INTRODUCTION to Amendment 1

This Amendment 1 includes the following significant technical changes with respect to IEC 61784-5-21:2018:

- in A.4.3.2.3, Table A.1:
 - 1 000 (Mbit/s) is added to "Supported data rates (Mbit/s)",
 - Category 5e is added to "Cable category per ISO/IEC 11801-3",
 - Category 5e is added to "Connecting HW category per ISO/IEC 11801-3";
- in A.4.3.2.4, Table A.2, Single mode silica:
 - "Bandwidth (MHz) or equivalent at λ (nm)" is changed to 120 and 1 500,
 - "Maximum channel Insertion loss/optical power budget (dB)" is changed to 10,5.

FOREWORD

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

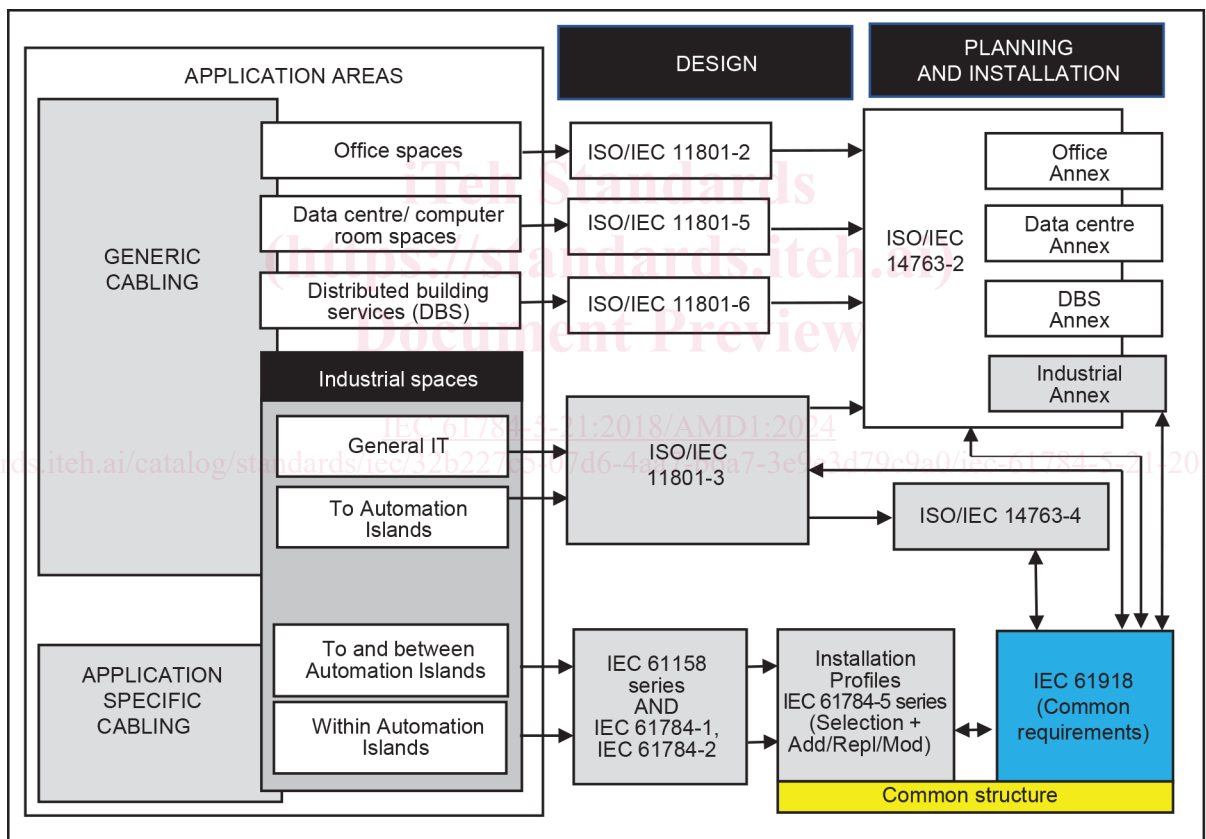
INTRODUCTION

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".

Delete, in the last paragraph, the comma after the brackets.

Replace the existing Figure 1 with the following new figure:



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Figure 1 – Standards relationships

1 Scope

Replace the existing second paragraph with the following new paragraph:

The installation profile is specified in the annex. This annex is read in conjunction with IEC 61918:2018, IEC 61918:2018/AMD1:2022 and IEC 61918:2018/AMD2:2024.