IEC 61784-3-8

Edition 3.0 2021-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE

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Industrial communication networks – Profiles – Part 3-8: Functional safety fieldbuses – Additional specifications for CPF 8

Réseaux de communication industriels – Profils – Partie 3-8: Bus de terrain de sécurité fonctionnelle – Spécifications supplémentaires pour CPF 8

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FOREWORD

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IEC 61784-3-8 has been prepared by subcommittee 65C: Industrial networks, of IEC technical committee 65: Industrial-process measurement, control and automation. It is an International Standard.

This third edition cancels and replaces the second edition published in 2016. This edition constitutes a technical revision.

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

- structured for compliance with IEC 61784-3 Ed.4;
- general editorial changes and clarifications;
- safety measures (11.5.3);

- safety application service elements (11.6.2);
- safety PDU format (11.7.1);
- constraints for calculations of system characteristics (11.9.5);
- safety measures (12.5.3);
- safety PDU format (12.7.1);
- behaviour (12.7.2);
- constraints for calculations of system characteristics (12.9.5);
- hash function calculations (Annex A).

The text of this International Standard is based on the following documents:

FDIS	Report on voting
65C/1083/FDIS	65C/1087/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 International Standard 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/standardsdev/publications.

A list of all parts of the IEC 61784-3 series, published under the general title *Industrial communication networks – Profiles – Functional safety 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 "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

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- withdrawn,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

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