

INTERNATIONAL STANDARD

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**Industrial communication networks – Profiles –
Part 3-2: Functional safety fieldbuses – Additional specifications for CPF 2**

**Réseaux de communication industriels – Profils –
Partie 3-2: Bus de terrain de sécurité fonctionnelle – Spécifications
supplémentaires pour CPF 2**



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This third edition cancels and replaces the second edition published in 2010. This edition constitutes a technical revision. The main changes with respect to the previous edition are listed below (and highlighted in yellow in this document).

- Added detailed requirements for use of FSCP 2/1 in conjunction with CP 16/3 (see 4.1, 6.4.3, 6.5.3, 8.2, 8.13, and miscellaneous references when referencing CPF 2 networks);
- Defined object class section keywords for safety to EDS file definition in 8.10.2.1;
- New sections on safety CRC overview in 7.1.2.1 and Rollover counts for EF format in 7.4;
- Corrections to PFH calculations in 9.5.2;

- Change from MACID to NodeID as general reference to network identifier;
- Miscellaneous minor corrections made since the last publication.

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

FDIS	Report on voting
65C/851/FDIS	65C/854/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 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 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- withdrawn,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.

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