

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



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

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





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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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PROFILES –****Part 3-3: Functional safety fieldbuses –  
Additional specifications for CPF 3**

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

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

- editorial changes regarding timeliness, transformation of comments in the chart into instructions;
- use abbreviations of PROFINET;
- information added about checks and safety manual for PROFIsafe Address Type 1 and 2;
- information added about PFDavg, support of automatic test, add diagnosis messages;

- explanation and specification of optional statemachines for reaction on device fault;
- new optional variable "OAD\_Nec\_C" for optional feature "Reaction of Device\_Fault in F\_Host";
- specification of the optional F-Host feature for "Disable F-(Sub)Module";
- specify requirements for FSCP 3/1 and PROFIenergy;
- specify requirement for multiple F-Hosts communicating with a single F-(Sub)Module; Update of the Safety Manual;
- diverse error corrections, fixes of typos, and reference updates;
- updated bibliography.

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.

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