

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 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:

- addition of two new Safety Supervisor object states in 6.6.5.5;
- addition of Net LED behaviour requirement for the proposing TUNID process in 6.6.8, 9.1.2 and 9.1.5;
- addition of application path support for process variables in 6.3.9 and 6.3.10;
- addition of multi-port device support in 6.6.4, 6.6.5, 6.6.7 and miscellaneous places;

- correction of network reaction time equations in 9.3.3;
- addition of SIL support up to SIL 3 in 7.6, 8.7, 8.9, 9.5 and miscellaneous places;
- clean up of configuration procedure guidelines in 8.9.14 and 8.9.15;
- switch change detection in 9.1.6;
- deprecation of base format in 3.1.2, 7.1.1.1 and 6.3.3.2;
- fixing Max_Fault_Number value to 2 in 6.3.3.4, 6.8.3 and 8.8.3;
- updated network PFH calculation in 9.5.2;
- miscellaneous minor corrections made since the last publication.

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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