PROFIsafe:
Frequently Asked
Questions

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1. **What has been the motivation for PROFIsafe V2.6?**

Answer: New feature requirements such as signal-channel-specific-passivation, additional watchdog for configuration-in-run and new fault models for the residual error probability calculation in future Edition of IEC 61784-3. See the following table for the differences:

New requirement	PROFIsafe V 2.4	PROFIsafe V 2.6
Signal-specific-passivation: Use of qualifiers according to the PI document "Remote IO for Factory Automation":	Not supported	Supported
SIL-Monitor times	> 100 h	> 10 h
Programmable IO data routers within PROFINET	Verification and validation of safety functions at each modification of router	No activities at router modifications
Watchdog extension for "Configuration-in-Run"	Not supported	New F-Parameter "F_WD_Time_2"
Fault models in IEC 61784-3	Fulfills requirements of Edition 3	Fulfills already requirements of future Edition 4

2. **The system description is based on the features of PROFIsafe version 2.6. How about support of the previous version 2.4?**

Answer: A new F-Parameter "F_CRC_Seed" allows the configuration according to version 2.4 or 2.6.

3. **Is there any report available from assessment bodies about an assessment of the PROFIsafe concept/specification?**

Answer: Yes. Positive assessment reports from IFA and TÜV can be downloaded from www.profisafe.net.

4. **Which major preconditions are highly recommended for the efficient first development of a PROFIsafe-related product?**

Answer:
- Establishing safety development processes according to IEC 61508
- Usage of a PROFIsafe development kit in order to avoid pitfalls or detours
- Development accompanied by an assessment body (according to "V" model of IEC 61508)

5. **Which PROFIsafe development kits are available?**

Answer: Currently, two development kits are known. Further information can be obtained from the PI business office or during the "PROFIsafe Certified Designer" training classes.

6. Are there competence centers for PROFIsafe available?

Answer: UAssistance from several professional competence centers and/or technology providers worldwide is available. It is also possible to join the PROFIsafe working group in case of particular technology support. Further information can be obtained from the PI business office or during the "PROFIsafe Certified Designer" training classes.

7. PROFIsafe requires test and certification by PI test laboratories. Which PITLs are available?

Answer: Currently, four PITLs are accredited: in Fürth, Magdeburg, Prague, and in Beijing. Further information can be obtained from the PI business office.

8. Are there any PROFIsafe training classes operated by PI?

Answer: PNO operates PROFIsafe training classes two times a year in Karlsruhe, Germany. Further information can be obtained from the PI business office or from the website www.profibus.com/technology/profisafe/.

9. Which organization or medium can I address in case of detailed technical questions or problem reports?

Answer: It is possible to send e-mail to the PI business office which will forward it to an expert or working group. Another possibility is the entry of a change request using the PI project data¬base on www.profibus-projects.com. Login and password can be found on second page of the PROFIsafe specification.

10. After a successful test and assessment by a PITL a PROFIsafe certificate can be achieved. How long is this certificate valid?

Answer: The normal validity period is 3 years. However, if there have been no changes to a PROFIsafe product, the validity can be extended on written demand. The PI specification "PROFIsafe test and certification" provides more details within its "grandfather" rules.

11. How can F-Device with PROFIsafe Version V 2.4 and / or V2.6 be combined within a fieldbus network of F-CPU?

Answer: The Engineering of F-Host identifies the F-Device based on GSDML whether it supports PROFIsafe V2.4 and / or V2.6. The new F-Hosts which can support V2.6, must also support V2.4 up to 2021. These F-Hosts will support any combination or mixture of F-devices with V2.4 and V2.6 versions in a fieldbus network (and even within a modular devices).

12. Is there a special website for PROFIsafe?

Answer: Yes, the link is www.profisafe.net.