

DE0107 How to apply IEC61508 for mechanical devices

Who should attend?

- ◆ Mechanical Engineers
- ◆ Safety Managers dealing with mechanical products
- ◆ Mechanical Quality Responsible

Duration: 1 day (or in-house, jointly agreed, please contact us for more information)

Language: Can be chosen between German or English, training material will be in English

Location: exida.com GmbH office
Prof.-Messerschmitt-Straße 1
D-85579 Neubiberg / Germany

Certificate: Each participant gets a letter of attendance.

For more information, please contact:
Kerstin Tietel ☎ +49 89 44118232

✉ kerstin.tietel@exida.com

DE0107 How to apply IEC61508 for mechanical devices

Agenda and Content

- ◆ Functional Safety in general and relevant standards
- ◆ Why Functional Safety for mechanical parts?
- ◆ Mechanical parts according to ISO 13849-1
- ◆ Introduction to CEN/TC 69/WG 1 “Functional Safety of safety-related automated industrial valves”
- ◆ Safety lifecycle requirements for the development of safety-related automated industrial valves
- ◆ FMEA/FMEDA for mechanical products
- ◆ What is required to achieve a certain Safety Integrity Level (SIL)?
 - SIL_{PFD}
 - SIL_{LAC}
 - SIL_{CAP}
- ◆ Final Elements in the context of an entire safety function
 - Impact of proof testing
 - Proof Test Coverage (PTC)
 - Partial Stroke Testing (PST)
 - Route 1H versus 2H