

Important Topics for IEC 61508 Maintenance

Results of a podium discussion organised by the German Chapter of the System Safety Society, Munich, April 5, 2005-04-06

Participants:

Peter Amey (Praxis HIS)
Jens Braband (Siemens AG, moderator)
Rainer Faller (exida)
Peter B. Ladkin (University of Bielefeld)
Wolfgang Reinelt (ZF Lenksysteme)
Ralf Westerkamp (Etamax Space)

Editorial & Management

- Better representation (red thread) (X)
- Encourage flexible use
- Informative Examples/Case Studies
- Convergence with other standards (e. g. aviation)

SIL

- Meaning
- Determination (X)
- Integration of guidance on SIL in main part
- Capability (of Components)

SW

- Recommendations on Use of Formal Methods
- Classifications of SW failure types
- Requirements for SW caused failure detection at runtime

Others

- Emphasize requirements validation
- Replace Safe Failure Fraction by Diagnostic Coverage