Title – Problem areas in the implementation of IEC 61511 and IEC 61508

A two day course that covers problems that arise during the practical implementation of the risk based approach. Many projects have ended up over budget and behind schedule because the problems have not been anticipated. In some cases risk has not been sufficiently reduced. The course has been derived through independent functional safety assessments carried out on projects. Sector standards are also covered as required.

Contents

Recap of basic requirements
Deriving risk acceptance targets for individual E/E/PES
Problems in determining safety functions and safety integrity levels
Contractual problems in implementing the risk based approach
Difference between different methods of determining SILs
Layer of protection analysis (LOPA)
Case study on LOPA
Problems during the implementation of a safety requirement specification
Differences between IEC 61508 and IEC 61511
Off-shore standards (API 14C, ISO 10418, ISO 13702)
Differences between IEC 61513 and IEC 61508
Integration into your own organisation

Provider	Blacksafe Consulting Ltd, blackw@blacksafe.demon.co.uk	
Application sector	Process, Off-shore	
Target group	User organizations, System integrators, Contractors	
Prerequisites	Good understanding of the basic requirements	
Duration	2 days	
Seminar schedule	Start Day 1: 9 a.m. End final day : 4.30 p.m.	Comments – Timing is flexible
Number of participants	max. 15	
Lecturer	Bill Black (Note 2)	
Seminar fee	£2900 (see Note 1)	
Dates/Location	As required in client office	
Seminar descriptor	IEC 61508/61511 advanced	

Note 1 – Travel and accomodation costs are extra and changed at cost. Price assumes that client provides suitable location, tea, coffee and lunch. Price can be reduced to £2500 if client prepares dossiers from material provided by Blacksafe

Note 2 – Bill Black was a member of IEC 61508 and IEC 61511 working groups during the development of the standards. He is also a member of the working group preparing a revision to IEC 61508.