BLACK SAFE

Title – Fundamentals of IEC 61511 – Safety instrumented systems for the process sector

A two day course that explains the basic requirements of IEC 61511. The course follows the IEC 61511 lifecycle, explains requirements and allows participants to undertake case studies that demonstrate how the principles can be applied to an application. Common requirements that apply to all lifecycle phases such as safety management, verification and functional safety assessment are also described. (It should be noted that many of basic requirements of IEC 61511 are the same as IEC 61508 but there are important technical differences)

Contents	Relationship with other standards and benefits of the risk based approach Determination of safety requirements specification Allocation and determination of safety functions and safety iintegrity levels Case study on determining safety requirements Systematic hardware and software requirements Reliability fundamentals Architecture, relaibility and diagnostics requirements Case study on architecture Application software Operations and maintenance Safety management and planning 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	None
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 61511 basic

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.