

■ Safety Instrumented Systems: The Must Know for Implementation

There are many different ways of designing safety instrumented systems. Questions such as:

- Which technology should be used (electric, electronic, or programmable)?
- What level of redundancy is appropriate (single, dual, or triple)?
- How often should systems be tested (monthly, quarterly, yearly, or once per shutdown)?
- What about field devices (technology, level of redundancy & test intervals)?

These questions are being asked by users and engineering firms alike. Debate continues as to how one even makes these choices (past experience, qualitative judgment, quantitative analysis, etc.). This seminar will cover the basics of what needs to be done in the design and selection of safety systems.

Contents	<ul style="list-style-type: none"> • Lessons from Previous Accidents • Industry Standards, Guidelines, and Recommended Practices • Independent Protection Layers • Selecting Safety Integrity Levels (SILs) • Failure Modes of Safety Systems • The Real Impact of Redundancy • Different Technologies • Testing and Maintenance Requirements • General Hardware Issues 	
Provider	Instrumentation, Systems, Automation Society 67 Alexander Drive Research Triangle Park, NC, 27709, USA Phone (919) 549-8411 Fax (919) 549-8288 email:info@isa.org, or online: www.isa.org	
Application sector	ANSI/ISA-84.00.01-2004 Part 1 (IEC 61511-1 Mod)	
Target group		
Prerequisites		
Duration	1Day	Comments
Seminar schedule	8:00 am – 4:00 pm	
Number of participants		
Lecturer		
Seminar fee	\$395 Members, \$445 Non-members	
Dates/Location	<ul style="list-style-type: none"> • 11/11/2004 Holiday Inn Select Claymont, DE, US • Course is also available as onsite training 	

Seminar descriptor

EC50C