



■ Introduction to Product Safety Design and Certification for IT and Test Measurement Products

This course gives you an understanding of grounding, from both an electrical systems relationship and an instrument loops relationship. You'll learn the purpose of grounding and electrical systems, grounding for safety, signal noise, signal wiring systems, and methods used to reduce noise.

With products using hazardous voltages of 115 – 230Vac and measurement devices voltages up to 1,000 volts and higher, comes increased risk of shock or burn to the user, and possible fire or damage to the product itself. Understanding the role safety standards and certification play is crucial for companies who want to succeed in the global marketplace. This seminar covers product safety certification with design guidance to ensure product safety compliance, protect the consumer, and limit manufacturer's risks.

The concept of product safety will be introduced with a focus on design, testing, and certification. Key topics presented include safety insulation, component selection, environmental classification, and safety testing as the means to verify product safety conformity. The meaning of agency safety marks (UL, TUV, VDE, etc.) and the role of the CE marking will also be discussed.

Contents	<ul style="list-style-type: none"> • Safety Requirements Basis • Safety Hazards and Product Classification • Product Design for Safety • Safety Testing
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	
Target group	
Prerequisites	
Duration	1 Day
Seminar schedule	8:00am – 4:00 pm
Number of participants	
Lecturer	
Seminar fee	\$395 Members, \$445 Non-members
	Comments
Dates/Location	<ul style="list-style-type: none"> • 1/13/2005 ISA Training Institute Research Triangle Park, NC, US • 2/18/2005 Data Train Institute Long Beach, CA, US

- Course is also available as onsite training

Seminar descriptor	ES60PC
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