



ANSI Committee on Education

Standardization Case Studies

ACCOMPANYING QUESTION AND ANSWER WORKSHEET

As appropriate, please suggest recommended study, test or quiz questions / answers to accompany the case study proposed above.

Proposed Question	Study Question – What factors facilitated the rapid pace of the standards activity described above?
Proposed Answer	<p>Study Discussion Topics – The following factors influenced pace of development. Discuss further:</p> <ul style="list-style-type: none"> • Market need • Government mission • Status of homeland security issue in society and business at the time • NIST expertise and oversight

Proposed Question	How did NIST, IEEE, and ANSI help meet DHS's rad/nuc detection needs
Proposed Answer	DHS, NIST, IEEE, and ANSI worked together through the N42 Radiation Detection Standards Program to develop the standards necessary to meet expanded monitoring needs. This highly motivated, well organized group combined their comprehensive experience through three subcommittees [N42.RM—Radioactivity Measurements, N42.RPI—Radiation Protection Instrumentation, N42.HSI—Homeland Security Instrumentation] to create and revise required standards in significantly shorter than usual timeframes.

Proposed Question	How does the GRaDER program further the work of the N42 committee?
Proposed Answer	GRaDER provides guidance to law enforcement and first responder organizations who need to purchase and use rad/nuc detection equipment. By setting standards, accrediting testing labs, and providing instrument test results, GRaDER helps users choose effective equipment and use it properly.

Please return completed Project Worksheet to training@ansi.org.

Questions can be directed to [Lisa Rajchel](mailto:Lisa.Rajchel@ansi.org) (212.642.4932) or [Stacy Leistner](mailto:Stacy.Leistner@ansi.org) (212.642.4931)

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Proposed Question	What is the role of NVLAP in the GRADER program?
Proposed Answer	DHS's Domestic Nuclear Detection Office (DNDO) manages The GRaDER program with technical assistance from NIST. NIST's National Voluntary Laboratory Accreditation Program (NVLAP) is a voluntary, fee-supported program to accredit laboratories found competent to perform specific tests or calibrations. This accreditation process ensures that the laboratories are fully able to perform independent testing of the radiation detectors. Results of the GRaDER program testing are made available to law enforcement and first responder agencies to inform their procurement and grant awards processes.

Proposed Question	
Proposed Answer	

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