



**ANSI – ESO Conference**  
Transatlantic Standardization  
Partnerships on E-Mobility/Electric  
Vehicles, Energy, and Security

October 12, 2011

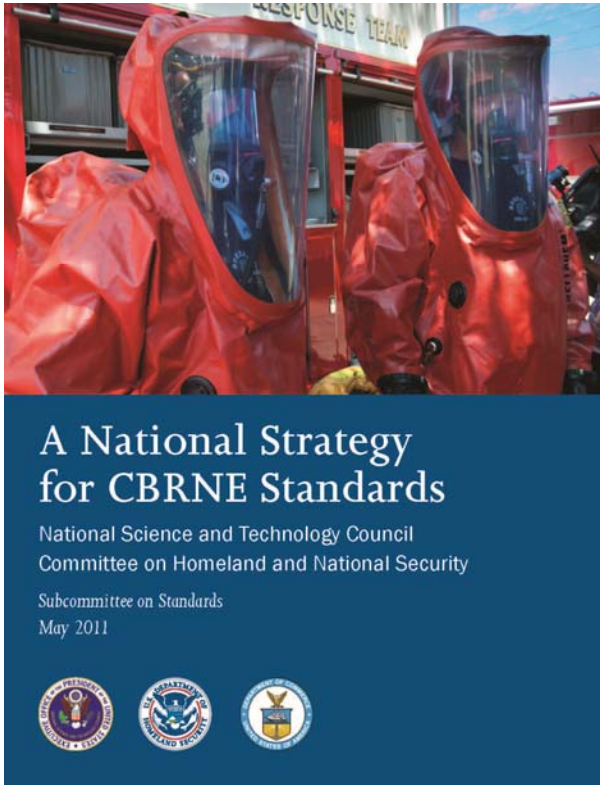


# Chemical Biological Radiological and Nuclear Security

Gordon Gillerman  
Standards Services  
National Institute of Standards and Technology

ANSI – ESO Conference: Transatlantic Standardization Partnerships  
on E-Mobility/Electric Vehicles, Energy, and Security

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For CBRN standards related to people, processes and equipment this means:

- Coordinate and facilitate the development of CBRNE equipment performance standards
- Coordinate and facilitate the development and adoption of interoperability standards
- Establish a comprehensive CBRNE equipment conformity assessment infrastructure
- Promote enduring CBRNE standards based operating procedures
- Establish CBRNE training and certification standards

# Why an integrated approach to standards is key



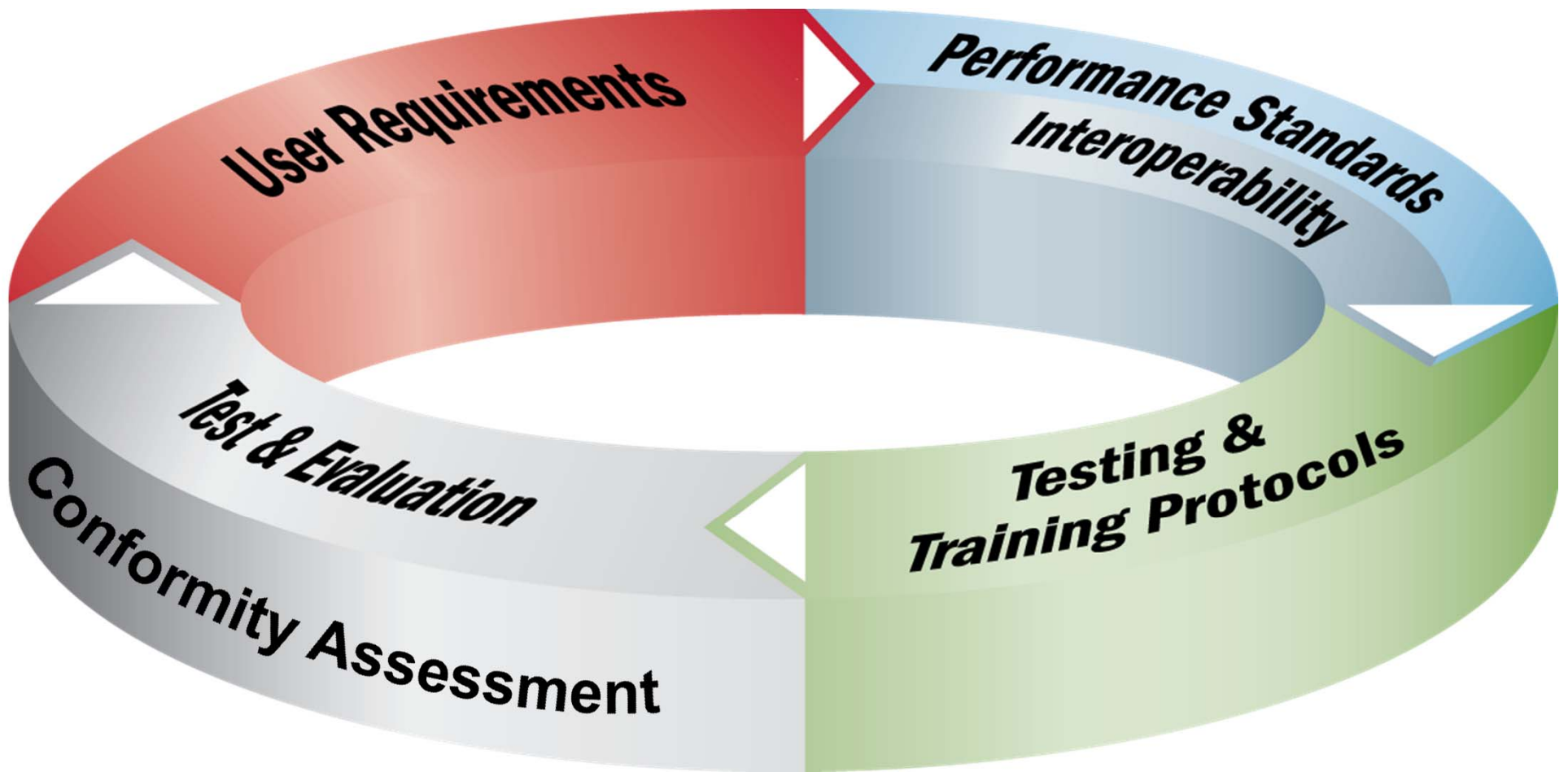
**Equipment**  
**Performance**  
**Fitness for Purpose**  
**Interoperability**

**People**  
**Curriculum Development**  
**Equipment Specific Training**  
**Operational Training**  
**Credentialing**



**Operations**  
**Situational Awareness**  
**User Requirements**  
**Communications**  
**Procedures**





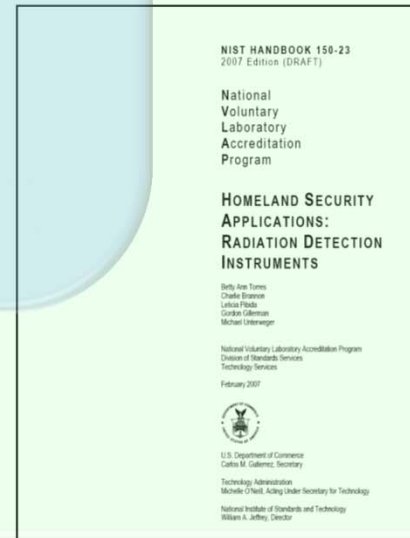
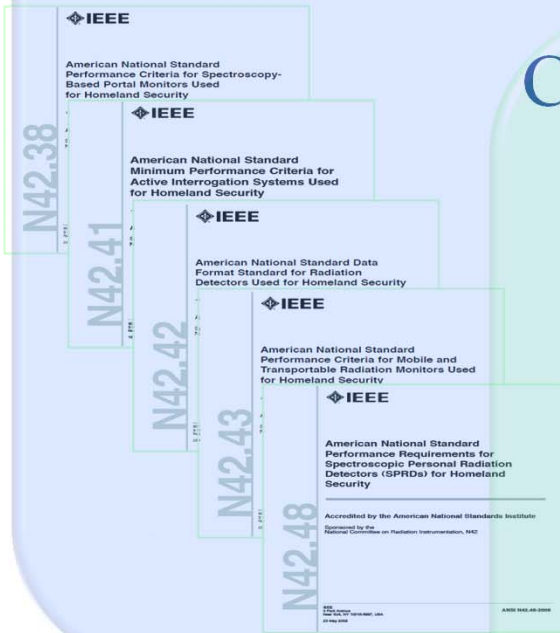
# Where are we now?

Equipment performance standards  
and interoperability standards


Conformity assessment infrastructure



*Domestic Nuclear Detection Office (DNDO)*  
**Graduated Rad/Nuc Detector Evaluation and Reporting (GRaDER) Program**



# Standard operating procedures



Designation: E 2601 – 08

## Standard Practice for Radiological Emergency Response<sup>1</sup>

This standard is issued under the fixed designation E 2601; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

# Training and certification standards

NFPA® 472

Standard for  
Competence of Responders  
to Hazardous Materials/Weapons  
of Mass Destruction Incidents

2008 Edition


NFPA, 1 Batterymarch Park, Quincy, MA 02269-9412  
An International Code

NFPA® 473

Standard for  
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An International Code and Standards Organization



American National Standard  
for Training Requirements  
for Homeland Security Purposes  
Using Radiation Detection Instrumentation  
for Interdiction and Prevention

Accredited by the American National Standards Institute  
Sponsored by the  
National Committee on Radiation Instrumentation, N42

**N42.37**

IEEE  
3 Park Avenue  
New York, NY 10016-5987, USA  
13 April 2007

ANSI N42.37-2006

# But economic and homeland security are both important, so

- US-EU collaboration on standards can
  - Provide a technical framework for confidence
  - Reduce the security burden on people, things and services that cross our borders
  - Reduce redundant operations, and
  - Allow us to concentrate security resources based on risk