

Homeland Security Standards Update within Various Organizations

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Disclaimer

- This presentation is solely the personal viewpoints of the author and in no way reflect the opinion or viewpoints of the National Naval Medical Center at Bethesda or the Department of the Navy.

Acronyms

- ASTM – American Society for Testing and Materials
- ANSI – American National Standards Institute
- NFPA – National Fire Protection Association
- NVLAP – National Voluntary Laboratory Accreditation Program

Acronyms

- FEMA – Federal Emergency Management Agency
- DHS – Department of Homeland Security
- NIC – National Incident Command
- CBRNE – Chemical, Biological, Radiological, Nuclear & Explosive
- EOC – Emergency Operations Center

Current Organizations

- ASTM International (E54 Committee on Homeland Security Applications)
- ANSI – N42.37 (Training Standard on Radiation Detection Equipment used in Homeland Security)
- Health Physics Society
- NFPA 472 Committee
- NVLAP on Instruments Used in Homeland Security Applications
- The InterAgency Board (IAB)
- Responder Knowledge Base (RKB)

Current Positions

- Vice-Chairman for ASTM E54.02 Subcommittee on Emergency Preparedness, Training, and Procedures
- Review Panel Member - ANSI (Training Standard on Radiation Detection Equipment used in Homeland Security)
- Member Radiation Safety Officer Committee and Homeland Security -Health Physics Society
- Member of Writing Group for NFPA 472
- Author of the Handbook for NVLAP on Instruments Used in Homeland Security Applications
- Member of the Decontamination and Detection Committee for The InterAgency Board (IAB)
- Subject Matter Expert for Responder Knowledge Base

Work in Progress for ASTM E54.02

- E54.02.01 – Emergency Preparedness Planning Task Group
 - E2413-04 Standard Guide for Hospital Preparedness and Response – This guide standard ties in with the hospital requirements and applicable community and state emergency plans.
 - Standard under review for necessary updating.

Work in Progress for ASTM E54.02

- E54.02.02 – Emergency Preparedness Planning Task Group
 - Standard Guide for School Preparedness and All Hazards Response – This guide standard covers concepts, principles, and best practices for all-hazards integrated emergency management programs in preparedness, prevention, mitigation, response, and recovery for schools and school districts in preparation and response to a natural or man-caused incident.
 - Work Item # WK8908.

Work in Progress for ASTM E54.02

- E54.02.03 – Emergency Preparedness Operations Task Group
 - Standard Guide for Building Event Dispersion and Health Assessment Preparedness and Response Planning. Initial work conducted by LANL and EML. Follow up work being looked at by NIST for contamination model.
 - Work Item # WK5516.

Work in Progress for ASTM E54.02

- E54.02.04 – Emergency Preparedness Training Task Group
 - Standard Guide for Developing a Training Certification Program. DHS, Specifically FEMA & DNDO along with NFPA and the IAB Training Committee have actions in progress.
 - Work Item: No active work item in ASTM.

Work in Progress for ASTM E54.02

- E54.02.05 – Emergency Preparedness Rad Playbook Task Group
 - Standard Guide for the Development of an Rad Playbook (Development of standard being coordinated with the DHS RadCPR Project).
 - Work Item: WK7020.

Work in Progress for ASTM E54.02

- E54.02.06 – Emergency Preparedness HazMat Task Group
 - Standard Guide for HAZMAT Team Training, Qualification, and Certification – Standard being developed in coordination with NFPA 472 Committee with product being new 472 standard. Complete rewrite of NFPA 473 standard.
 - Work Item: WK4182 – NFPA 472/473

Work in Progress for ASTM E54.02

- E54.02.07 – Emergency Preparedness Planning Task Group
 - Standard Guide for Developing Model Emergency Operations Plans in Response to All-Hazard Events including CBRNE. Plans from all levels should be included in these guides and include all emergency responder levels and disciplines. Coordination with FEMA, NIC, NFPA 1600 and other NFPA activities underway.
 - Work Item: WK13474

Work in Progress for ASTM E54.02

- E54.02.08 – Emergency Preparedness Logistics Task Group
 - Standard Guide for Stakeholder-Focused Consensus-Based Event Restoration Process. Addresses framework standards and standard guides that address community involvement and public communication following an event
 - Work Item: WK4455 (On hold)

Work in Progress for ASTM E54.02

- E54.02.09 – Emergency Preparedness Development Procedures Task Group
 - Standard Guide for the Development and Operation of an Emergency Operations Center. This guide addresses issues and concerns in developing, managing, and operating an Emergency Operations Center (EOC). This guide is considered necessary given the very special nature of an EOC and the lack of current guidance for the considerations involved in designing, outfitting, and operating an EOC.
 - Work Item: WK12954

Work in Progress for ASTM E54.02

- Next meeting for E54
 - Date: June 25-27, 2007.
 - Location: Norfolk, VA

- Other Subcommittees beside E54.02
 - E54.01 – CBRNE Sensors and Detectors
 - E54.03 – Decontamination
 - E54.04 – Personal Protective Equipment (PPE)
 - E54.05 – Building and Infrastructure Protection
 - E54.06 – Electronic Security Systems
 - E54.08 – Operational Equipment

Work in Progress for ASTM E54.02

- Website
 - www.astm.org
 - Click on Technical Committees and Select E54
- Staff Manager
 - Timothy Brooke – 610-832-9729

Work in Progress for ANSI N42.37

- ANSI N42.37 Training Standard 2006 – Standard was adopted and finalized in 2006- Now available from ANSI and IEEE.
- Oak Ridge Institute for Science and Education (ORISE) Currently Co-Chairs this Standards Committee.

NFPA 472 – The Vote

- NFPA 472 – Standard for Professional Competence of Responders to Hazardous Materials Incidents, is up for a vote at the National Fire Protection Association's annual meeting, which takes place in Boston, MA, June 3-7, 2007.
- If passed, these will be among the most significant changes in the 21-year history of NFPA 472, which defines the basic responder levels of Awareness, Operations, Technician and Incident Commander. NFPA 472 is one of the most widely-used standards in the world.

NFPA 472 – The Vote

- NFPA 472 – If adopted, the standard will be re-designated – Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents.
- As the new designation suggests, the revised NFPA 472 encompasses the terrorist/criminal use of hazardous materials, acknowledging that the threat of terrorism has become a major issue for emergency responders.

NFPA 472 – The Vote

- Broadening the Standard for All Responders.
 - The Committee has made great efforts to design the standard to meet the needs of all emergency responders, no matter what their particular discipline may be.
 - While individual competencies at the Operations Level are not significantly changing, the concept of Operations-level core and “mission-specific” competencies is being introduced.
 - There are no significant revisions proposed at the Hazardous Materials Technician level.

NFPA 472 – The Vote

- Live Coverage of the Proceedings from the Conference.
 - Emergency Film Group will be covering the proceedings live from the floor of the conference on its website at www.efilmgroup.com
 - Featured will be interviews with members of NFPA's Technical Committee on Hazardous Materials Response Personnel, the group responsible for facilitating the standard and its revision.

NVLAP for Instruments Used in Homeland Security Applications

- Program Introduction.
 - Presented program overview at Mid-Year HP Conference in Scottsdale, AZ.
- New NVLAP Program announced in the Federal Register.
 - Primary Author for Handbook that details the requirements for the program.
 - Provided briefing at last year's International Dosimetry Conference.
- Current Status.
 - Briefing to be provided by NVLAP Manager – Mrs. Betty Ann Sandoval.

The IAB Annual Report with the Standardized Equipment List (SEL)

- Mission of the IAB
 - The InterAgency Board (IAB) for Equipment Standardization and Inter Operability Working Group is designed to establish and coordinate local, state, and federal standardization, interoperability, and responder safety to prepare for, respond to, mitigate, and recover from any incident by identifying requirements for Chemical, Biological, Radiological/Nuclear and Explosives (CBRNE) incident response equipment.

The IAB Annual Report with the Standardized Equipment List (SEL)

- Scope: The IAB supports the local, state, and federal responders' efforts in Homeland Security by:
 - Providing an independent operational viewpoint to federal agencies;
 - Facilitating integration among local, state, and federal response communities to promote proper selection and use of the best available equipment and procedures to optimize safety, interoperability, and efficiency;

The IAB Annual Report with the Standardized Equipment List (SEL)

- Scope: The IAB supports the local, state, and federal responders' efforts in Homeland Security by:
 - Developing , maintaining, and updating a Standardized Equipment List (SEL) that provides the responder a reference to the type of the equipment required to prepare for, respond to, mitigate, and recover from a CBRNE incident;
 - Advocating for, assisting in, and promoting the development and implementation of performance criteria, standards, and test protocols for SEL-listed CBRNE incident response equipment;

The IAB Annual Report with the Standardized Equipment List (SEL)

- Scope: The IAB supports the local, state, and federal responders' efforts in Homeland Security by:
 - Encouraging the coordination of local and state response communities with established military and federal acquisition programs for procurement of SEL-listed CBRNE incident response equipment;
 - Identifying and prioritizing CBRNE incident response equipment requirements;
 - Preparing and publishing an annual report to articulate the activities and accomplishments of the IAB.

The IAB Annual Report with the Standardized Equipment List (SEL)

■ Organization

■ Chairman

■ Federal Coordinating Committee (FCC)

■ SubGroups/Committees

- Subgroups – The IAB has four equipment SubGroups that consists of subject matter experts.
- Personal Protective and Operational Equipment
- Interoperable Communications and Information Systems
- Detection and Decontamination

The IAB Annual Report with the Standardized Equipment List (SEL)

- Organization
 - SubGroups/Committees
 - Medical
 - Committees – The IAB has three additional committees that consist of additional Subject Matter Experts
 - Standards Coordinating Committee – Note this committee also has the four sub-group Co-Chairs
 - Science and Technology
 - Training

The IAB Annual Report with the Standardized Equipment List (SEL)

- Website for the IAB: www.iab.gov
- Website for the online SEL:
www.rkb.mipt.org/tutorial/index.cfm?page=37

The Responder Knowledge Base (RKB)

- The Responder Knowledge Base is sponsored by the Memorial Institute for the Prevention of Terrorism (MIPT)
 - Website: www.rkb.mipt.org
 - Ask an Expert – Subject Matter Experts field questions from responders

The Responder Knowledge Base (RKB)

Question?

