ANSI Homeland Security Standards Panel

Workshop on CBRNE Standards

Development Of CBRN Respiratory Protection Standards

September 11, 2012

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Chemical, Biological, Radiological and Nuclear (CBRN) Respirator Standards Development

- Workshops/Committee Meetings
  - NIOSH-DOD-OSHA Chemical-Biological Respiratory Workshop & Report (March 1999)
  - Interagency Board Standards & PPE Committees

- Initial and Continuing Funding DHS

- Cooperation among NIST, RDECOM, OSHA, NIOSH, NFPA, and DHS

- Define Collaboration for CBRN Standards Development

- IAA’s with NIST and RDECOM

- RDECOM Technical Support for Testing
CBRN Standards Development process for respiratory protection

- Hazard analysis
- Protection determinations
- Human and environmental factors
- Standards concept paper
- Test requirements benchmarked
- STP writing, testing, and methodology validation
- Quality assurance provisions
- Vet the draft standard thru public meetings
- Final standard published in letters to manufacturers
NIOSH CBRN Respirator Standards

http://www.cdc.gov/niosh/npptl/respstds.html

Approved Standards

• Self-Contained Breathing Apparatus (SCBA with CBRN Protection)
• Air-Purifying Escape Respirator (APER) with CBRN Protection
• Air-Purifying Respirator (APR) with CBRN Protection
• Powered Air-Purifying Respirator (PAPR) with CBRN Protection

Standards in Rulemaking Process

• Closed Circuit Self-Contained Breathing Apparatus (CCSCBA) (including CBRN Protection)
• Supplied Air Respirators (including CBRN Protection)
• Combination Respirator Units with CBRN Protection
Systems Approach to PPE

- NFPA 1994 Standard on Protective Ensembles for First Responders to CBRN Terrorism Incidents
  *(Class 2, 3 & 4 CBRN Protective Ensemble Requirements)*

  *(CBRN Technical Rescue Protective Ensemble Requirements)*

- NFPA 1971 Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting
  *(CBRN Structural and Proximity Protective Ensemble Requirements)*

All respirators specified by the ensemble manufacturer for use with these CBRN protective ensembles shall be certified by NIOSH as compliant to the CBRN SCBA, APR and PAPR federal standards.
ATTENTION EMERGENCY RESPONDERS - Guidance on Emergency Responder Personal Protective Equipment (PPE) for Response to CBRN Terrorism Incidents
DHHS (NIOSH) Publication No. 2008-132

Recommendations for the Selection and Use of Respirators and Protective Clothing for Protection Against Biological Agents
NIOSH Publication No. 2009-132
Quality Partnerships Enhance Worker Safety & Health

Visit Us at: http://www.cdc.gov/niosh/npptl/default.html

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