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National Personal Protective Technology Laboratory

CBRN Respirator Standard Development

Holiday Inn Select, Pittsburgh South
Pittsburgh, PA
Jonathan Szalajda

July 19, 2005

CBRN Respirator Standards

The findings and conclusions in this presentation have not been formally disseminated by the National Institute for Occupational Safety and Health and should not be construed to represent any agency determination or policy.

Agenda – July 19, 2005

10:00	Welcome	Les Boord
10:05 - 10:20	CBRN Respirator Standards	Jon Szalajda
10:20 - 10:30	Closed-circuit SCBA Overview	John Kovac
10:30 - 11:00	Closed-circuit SCBA Conceptual Requirements	Frank Palya
11:00 - 11:30	ABMS Related Requirements	Nick Kyriazi
11:30 - 12:00	Benchmark Testing	Tim Rehak
12:00 - 1:00	Lunch	

Agenda – July 19, 2004

1:00 –1:30	Computational Fluid Dynamics of Facepiece Leakage	John Kovac
1:30 - 1:45	Closed-circuit SCBA Conceptual Requirements	John Kovac Frank Palya
1:45 – 2:15	Open for attendee comments	
2:15 - 2:45	Break	
2:45 - 3:00	Overview - Guidelines for Use of NIOSH-Approved CBRN Respirators	Terry Cloonan
3:00 - 3:30	CBRN SCBA Users' Guide	Terry Cloonan
3:30 - 3:45	CBRN APR User's Guide	Mike Bergman
3:45 - 4:00	Open for attendee comment	
4:00	Wrap-up and adjourn	Jon Szalajda

Meeting Logistics

- Sign in sheets
- Meeting recorded and transcribed verbatim for docket
- Presentation in accordance with the agenda
- Q & A period after each presentation
 - Comment at microphone; identify name and affiliation
 - Additional presentations – sign up at registration desk

Information Docket CBRN CC SCBA

- **Mail:**
 - NIOSH Docket Office
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- **Email:** niocindocket@cdc.gov
- **Fax:** (513) 533-8285
- **Phone:** (513) 533-8303
- **NPPTL Web Site:** <http://www.cdc.gov/niosh/npptl>

CBRN Standards Partnerships

- **Workshops/Committee Meetings**
 - NIOSH-DOD-OSHA Chemical-Biological Respiratory Workshop & Report (March 1999)
 - Interagency Board standards & PPE committees
- **Cooperation among NIST, RDECOM, OSHA, NIOSH, NFPA, and DHS**
- **Define collaboration for CBRN standards development**
- **IAA's with NIST and RDECOM**
- **Initial and continuing funding from NIST-NIJ/NIST-DHS/ and CDC**
- **RDECOM technical support for testing**

CBRN Respirator Standards Impact

- NIOSH CBRN Respirator Standards have been recognized and adopted by:
 - The DOD/DHS InterAgency Board
 - DHS, as the first CBRN standards used for issuing grants to responder organizations
 - NFPA in their protective ensemble standards
- British Standards Institute (BSI) is considering adopting our standards in the UK since there are no CBRN respiratory protection standards in ISO

CBRN Respirator Standards

- **Standards Completed**

- SCBA – January 2002
- SCBA upgrades – March 2003
- Gas masks – March 2003
- Escape sets – October 2003

- **Standards in Development**

- PAPRs
- Closed-circuit SCBA
- Integrated SCBA/PAPR
- Integrated SCBA/APR



CBRN Respirator Standards

- **Continue Standards Development Efforts for Remaining Classes of Respirators**
 - Public Process
- **Provide clarifications to Existing CBRN Standards (SCBA, APR, APER, SCER) based upon lessons learned over the past four years**
 - Clarifications, Not Revisions to Requirements
 - Post Clarifications to Web Site by Oct 30, 2005
 - 30 day Public Review and Comment Period
 - Post Updates by Dec 30, 2005