

CBRN Standard Development

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NIOSH/NPPTL Public Meeting
Hilton Garden Inn, Canonsburg, Pa

CBRN Standard Development

Standard Development Schedule

- PAPRs
- Integrated SCBA/PAPR
- Integrated SCBA/APR
- Closed-circuit SCBA
- Supplied Air Respirators

CBRN Standard Development

CBRN APR Retrofit

- CBRN APR Retrofit Concept to be introduced on NIOSH/NPPTL Web Site by May 31, 2004
- CBRN APR Retrofit Concept protocols will be similar to those of the CBRN SCBA

CBRN Standard Development

CBRN APR Retrofit

- Retrofit capability limited to the facepiece of an approved CBRN APR
- Limited to facepieces in service less than 5 years
- Retrofit performed by manufacturer qualified technician
- Limited to design configurations of an approved CBRN APR

CBRN PAPR Standard Development

Performance Based CBRN PAPR Concept

- Flow
 - Testing via use of Breathing Machines
 - Constant Flow and Pressure Demand
- Filter Capacity
 - Tested at Flow Rate Determined by PAPR Blower
- Particulate Efficiency
 - 99.97% Tested at Flow Rate or Velocity Determined by PAPR Blower
- Hazard Protection
 - Minimum CBRN APR Range (CWAs, TICs & Particulate)
 - Possible Stacking Protections

CBRN PAPR Standard Development

Future Considerations for Respirator Certification

Application Content

- Unique Labeling Requirements
 - Stacking Provisions
 - Component labeling
- Quality Control Plan
 - Canister Uniformity
 - Manifold Airflow Uniformity

CBRN PAPR Standard Development

Actions for CBRN PAPR Concept Development

- Revise and post CBRN PAPR Concept
- Continue Stakeholder Discussions on Concept Development/Benchmark Testing
 - Breathing Performance Testing
 - Breathing Machine @ Ambient Conditions
 - 99.97% Efficiency Particulate Testing
 - High Flow
 - Face Velocity

CBRN PAPR Standard Development

Actions for CBRN PAPR Concept Development

- Development/Benchmark Testing (Continued)
 - Gas & Vapor Capacity Testing at High Flow
 - CWA and LRPL
 - Environmental Conditioning
 - Battery Performance
- Next Public Meeting: September 2004 Time Frame
- Target Date for Standard: December 2004

Information Docket CBRN PAPR Respirator

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