

**Conceptual Requirements for the  
Combination CBRN Open-Circuit SCBA with  
Tight-Fitting Full Facepiece APR/PAPR**

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**NIOSH/NPPTL Public Meeting  
Crowne Plaza Pittsburgh South  
Pittsburgh, Pa**

**October 12, 2006**



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# Conceptual Requirements for the Combination CBRN Open-Circuit SCBA with Tight-Fitting Full Facepiece APR/PAPR

- Initial concept considers established performance and design criteria from 42 CFR Part 84, consensus standards, and CBRN statements of standard
- The Combination CBRN standard will be developed using rulemaking processes
- Concept paper addresses General Requirements, Combination Unit Specific Requirements, and CBRN Performance Requirements



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## General Requirements:

- Protection of breathing circuit by not allowing disconnection/connection
- No backflow can occur from one mode to the other
- Powered air-purifying units must function and meet non-powered requirements in the blower off mode



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## Combination Unit Specific Requirements:

- Each unit must have an indicator which identifies to the user the mode of operation (air-purifying or air-supplied)
- The indicator must be distinguished and readily apparent to the user without manipulation of the respirator by the user
- The entire combination unit, when operated in any mode, must properly and acceptably function when subjected to the most stringent tests/conditioning applicable to either combination (air-purifying or air-supplied)

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## CBRN Performance Requirements:

- Criteria established in accordance with CBRN SCBA, CBRN APR, and CBRN PAPR Statements of Standard



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# Information Docket

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