

National Personal Protective Technology Laboratory

**Powered Air Purifying Respirator and
Closed Circuit Self-Contained Breathing
Apparatus Standards Development
Efforts for Respiratory Protection
against Chemical, Biological,
Radiological, and Nuclear (CBRN)
Agents**

Sheraton Station Square, Pittsburgh, PA

December 15, 2004

Welcome

Richard Metzler

**Director, National Personal Protective
Technology Laboratory**



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 Standards Development

CBRN SCBA

- January 2002:
 - 6 manufacturers, 46 approvals
- Upgrades – March 2003
 - 2 manufacturers, 16 retrofits

CBRN APR

- March 2003
 - 2 manufacturers, 3 approvals

Quality Partnerships Enhance Safety and Health



Homeland Security



OSHA



ISEA
INTERNATIONAL
SAFETY EQUIPMENT
ASSOCIATION



NIST
National Institute of
Standards and Technology

CDC

Workplace
Safety and Health

NIOSH

NPPTL *Research to Practice
through Partnerships*
NPPTL 2004 Dec 15, A Metzger

CBRN Standards Development

Purpose of this public meeting

- Present concepts for CBRN powered air-purifying respirator standard
- Present concepts for CBRN closed-circuit self-contained breathing apparatus respirator standard