

Standards Development

Organizational Support to ISO – FY17 (921Z6JG)

Objective

Provide research and technical expertise necessary to influence the ISO standards pertaining to respiratory protective devices (RPD) to enhance and harmonize 42 CFR Part 84 performance requirements



Applicable Standards

- 42 CFR Part 84
- 29 CFR 1910 .134

Key Partners

- Regulators, academicians, respirator manufacturers, certifiers and users worldwide

Stakeholders

- Regulators
- Manufacturers
- Employers
- Certification agencies and testing laboratories
- Respirator Users

Project Scope

Fully participate in the ISO SDO process and administer the ANSI accredited US Technical Advisory Group to (USTAG). Conduct applied research where necessary to support these efforts.

Milestones FY17

- ISO TC94/SC15 published 2 test method standards
- ISO TC94/SC15 published 3 technical specifications
- 1Q FY17 USTAG hosted 2016 plenary meeting in Pittsburgh, PA, included discussions and tours at NIOSH/NPPTL
- 1Q-2Q FY17 completed 8 ballots or requests for comment including comments to ISO 17420 Parts 1 and 2
- 3Q-4Q consult/support committee draft special application CBRN RPD and RN RPD, provide comments to ballots

Outputs

- Fourteen RPD test method standards - Inward Leakage, Resistance, Particle and Gas Filter Efficiency, RPD Headforms, Mechanical Strength, Practical Performance, Interactive Flow Rate, Carbon Dioxide, Flame and Heat, Field of Vision, Work of Breathing, Mining Escape RPD, Noise
- Eight Technical Specifications - Human Factors
- Four Technical Specifications - Marking and Information, Classification, Selection, Use and Maintenance

Outcomes

- Greater international harmonization of RPD test methods and performance requirements
- Inclusion of ISO RPD test methods in NIOSH research protocols

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