Standards Development
Organizational Support to ISO – FY15 (921Z6JG)

Objective

Provide research and technical expertise necessary to influence the ISO standards pertaining to respiratory protection to enhance and harmonize 42 CFR 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. Conduct applied research where necessary to support these efforts.

Milestones FY15

- ISO 16900-1 Test method for inward leakage published, expect publication of 7 additional test method standards
- New USTAG electronic ballot procedure in use, recent ballots ISO 16973 Classification and 16975 Selection, use and maintenance
- Terms and Definitions – revision ongoing
- 4Q15 – 1Q16 New work item proposals – performance requirements filtering devices and supplied breathable gas devices
- Consult/support committee draft special application CBRN RPD
- Potential Economic Impact Model/Plan completed
- ISO headform and torso CAD development and 3D printing

Outputs

- FIVE test method standards - Inward Leakage, Resistance, Particle and Gas Filter Efficiency, Field of Vision
- Two standards – Terms and Definitions and Connector Thread
- EIGHT Technical Specifications - Human Factors, including June 2014 Psycho-physiological effects
- Technical Specification - Marking and Information

Outcomes

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