

# Validation of ISO Proposed Protection Class FY15 (93902JP)

## Objective

Complete round robin study to validate ISO TIL method in determination of protection class (PC)



## Applicable standards

- ISO 16900-1, 16975-1-3, 17420-1-2

## Key Partners

- Health and Safety Laboratory, 3M

## Stakeholders

- National and international respirator users, manufacturers and standard developers

## Project Scope

Analyze international round-robin testing to validate the inward leakage performance and ISO defined protection class (PC) of respirators at multiple laboratories.

## FY15 Milestones

- 2Q15- Morgantown Testing Team completed testing using ISO 16900-1 Test method for inward leakage, NaCl continuous sampling flame photometry method, PCA panel.
- 2Q15 - Provide data to TC94/SC15/WG2 and WG3/PG3 TIL Task Group for statistical analysis.
- 3Q15 – Present round robin results at Buxton, UK meeting of TC94/SC15/WG2 and WG3/PG3. Formulate and present American delegation's recommendations regarding revisions to TIL performance requirements currently included in ISO 17420-1 and 2.
- 4Q15 – Share/discuss results at ISRP Americas Section Fall meeting.

## Outputs

- Inward leakage and protection class data for analysis and comparison with data provided by other national and international laboratories
- Identify practical implementation improvements and revisions to ISO 16900-1 Test method for inward leakage
- Proposed revisions to ISO 17420-1 and 2 Performance requirements for supplied breathable gas devices and filtering devices

## Outcomes

- Adoption/change in policies, practices and procedures, including ISO voluntary consensus standards for respiratory protection

Updated: 20 Feb 2015