Eval. WOB test method and proposed RPD performance requirements FY17 (93902JT)

Objectives	Applicable Standards
 NPPTL evaluates proposed resistance and flow methods of ISO RPD standards Comparative analysis of proposed methods and standards and those in current certification scheme for all classes of RPD Determine their applicability in certification scheme Identify their applicability to proposed requirements in research and standards development 	ISO 16900-12,16900-13, 16900-8, 16900-5, ISO 17420-1,17420-2 (ISO 16900-9)
	 42 CFR Part 84 (and standard test procedures)
	• NFPA 1981
	Key Partners
	ANSI, ISO (head form task group), NIOSH
	<u>Stakeholders</u>
	Respiratory Protection Standards Development Organizations
	 Respirator manufacturers
	 Respirator users
Project Scope (all years)	Outputs (completed and/or planned)
 Develop NPPTL WOB methods Characterize WOB for current respirators Compare WOB to NIOSH methods 	 Comparison of ISO WOB and NIOSH APR ISRP Yokohama (11/2016)
	 ISO visitors discussion (10-2016)
	Paper on method, experience and results (internal review)
4. Determine effects of headform size	Paper Comparing WOB and NIOSH methods(draft)
	Paper discussing effect of head form on WOB(planned)
5. Evaluate human responses to RPD with high WOB	Outcomes (completed and/or planned)
FY17 Milestones	 Support the development of respiratory protective device ISO test methods and
Q3. Evaluation of WOB method for ability to assess NIOSH requirements	performance standards, ISO 17420-1 and 2 Table 1 in ISO 16900-5 revised and
Q4. Apply WOB in research topics	approved
	 Provide basis for NIOSH to determine the utility of these method(s)

DEPARTMENT OF HEALTH AND HUMAN SERVICES Centers for Disease Control and Prevention National Institute for Occupational Safety and Health

