

Post-Market Activities: Improving PPT Effectiveness through Testing, Evaluation, and Corrective Measures—FY17—(921044N)

Objective

- Enhance PPT protections by providing conformity assessment standards and requirements recommendations—to Scheme Owners and other members of the PPT community—based on the results of post-market testing and evaluation activities



Applicable standards

- NIOSH
- NFPA
- ASTM

Key Partners

- Strategic National Stockpile
- FDA
- CDC ICU, CDC NCEZID
- HHS/ASPR
- Various state, county, city, hospital stockpiles
- IAFF
- NFPA

Stakeholders

- ISEA



Project Scope

- The PPT from the following hazard exposure scenario-PPT combinations will be tested and evaluated in a product audit or point-of-use assessment (POUA) context:
 - Handling Infectious Patients During Pandemics—Stockpiled Surgical Gowns & Respirators
 - Agents Causing Harm to or Being Absorbed Through Dermal Tissues During Structural fire fighting—Turnout Gear
 - Hazardous Drug Handling During Patient Treatment—Gloves and/or Gowns
 - Pesticide Handling to Control Mosquito-borne Infectious Diseases—Protective Clothing

Milestones

- FY17 Q1: First PPT Combination sub-project (Stockpiled PPE) funded through OPHPR
- FY17 Q2: Second PPT Combination sub-project (Turnout Gear) submitted for NORA funding

Outputs

- Stockpile Best Practices Guide
- Technical Reports to individual collaborating stockpile facilities
- Peer-reviewed journal publications and conference proceedings
- Recommendations for improvement to NFPA 1851 standard
- Trade journal articles
- Survey questions and survey administration tool(s)

Outcomes

NIOSH will establish and participate in sector-specific industry partnerships to identify case-specific corrective measures including 1) developing a sampling strategy consensus standard; 2) enhancing the language for existing performance, post-market conformity assessment, or care and maintenance standards; 3) developing intervention and outreach materials; and 4) recommending changes to PPT shelf-life. NIOSH will also offer research support to various sector-specific partnerships. assessment recommendations.

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