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.

**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

**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

**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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