Personal Protective Technology Conformity Assessment Working Group Formation and Process

NIOSH PPT Conformity Assessment Public Meeting
September 17, 2013

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Director, National Personal Protective Technology Laboratory
An estimated 20 million workers use personal protective equipment on a regular basis to protect themselves from job hazards.

The MISSION of the PPT program is to prevent work-related injury, illness and death by advancing the state of knowledge and application of personal protective technologies (PPT).
Presentation overview

PPT conformity assessment (CA) background

PCAWG successes
NIOSH Conformity Assessment
Foundational Background

June 2008
NA PPT Program Evaluation Report: Five Recommendations

May 2010
PPT Program’s Action Plan to Implement Recommendations

February 2011
IOM’s Analysis of NA Report Recommendation 1: Comprehensive CA Program

May 2011
NIOSH Docket # 237 Public Comment on IOM CA Report

October 2011
NIOSH PPT Conformity Assessment Working Group Established
“Conformity assessment is key to ensuring that the products we purchase are effective and perform to specifications…”

“[NIOSH] should work with [stakeholders] to develop, implement, and support conformity assessment processes for non-respirator PPT.

CA processes should be commensurate with the level of risk that could result from failure of the PPT to protect the user from workplace hazards.”
Meeting Objectives

- Report PCAWG process and findings
- Discuss a NIOSH draft framework scope
- Initiate a public dialogue in defining a national PPT CA framework
Over 30 PCAWG Members and Consultants
The PPT Conformity Assessment Working Group Project Organization and Workflow
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- Project Definition and Organization (Working Group)
- Terminology (Sub-Group)
- Products and Standards (Sub-Group)
- Levels of Risk (Sub-Group)
- Surveillance Data (Sub-Group)
- Compliance and Enforcement (Sub-Group)
- Prioritization (Working Group)
- Conformity Assessment Framework and Processes (Working Group)

Project Management (NIOSH/NPPTL Chair)
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Products and standards database incorporate useful data fields

<table>
<thead>
<tr>
<th>Organization</th>
<th>Designation</th>
<th>Title</th>
<th>Year</th>
<th>Hazard Type</th>
<th>Industry</th>
<th>Standard Type</th>
<th>PPE Type</th>
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<tr>
<td>ANSI/ISEA</td>
<td>ANSI/ISEA 103</td>
<td>Classification and Performance Requirements for Chemical Protective Clothing</td>
<td>2010</td>
<td>chemical</td>
<td></td>
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<td>Chemical safety clothing</td>
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<td>ANSI/ISEA</td>
<td>ANSI/ISEA 107</td>
<td>High visibility apparel and headwear</td>
<td>2010</td>
<td>physical</td>
<td></td>
<td></td>
<td>Visibility warning clothing</td>
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<td>ANSI/ISEA</td>
<td>ANSI/ISEA 110</td>
<td>Air Purifying Respiratory Protective Smoke Escape Devices</td>
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<td></td>
<td>Escape respirators</td>
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<tr>
<td>ANSI/ISEA</td>
<td>ANSI/ISEA 207</td>
<td>High-Visibility Public Safety Vests</td>
<td>2011</td>
<td>physical</td>
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<tr>
<td>ANSI/ISEA</td>
<td>ANSI/ISEA Z87.1</td>
<td>Occupational and educational personal eye and face protection</td>
<td>2010</td>
<td>chemical</td>
<td>General Industry</td>
<td></td>
<td>Spectacles, face shields, goggles, welding helmets</td>
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<tr>
<td>ANSI/ISEA</td>
<td>ANSI/ISEA Z89.1</td>
<td>Industrial head protection</td>
<td>2009</td>
<td>physical</td>
<td></td>
<td></td>
<td>Industrial helmets</td>
</tr>
</tbody>
</table>

Sample Report in which ANSI/ISEA records were queried
A strength of the prototype database is the ability to search for records using a variety of criteria.
A beta version of the Products and Standards Database is being developed.

Background

The PPT Conformity Assessment Working Group (PCAWG) was established in 2011 by the National Personal Protective Technology Laboratory (NPPTL) of the National Institute for Occupational Safety and Health (NIOSH).

Among other tasks, the PCAWG was charged to develop an inventory of product and performance standards for PPE. To accomplish these goals, subgroup members researched current OSHA regulations, PPE performance standards, and PPE testing standards, which were subsequently integrated into an interactive, searchable, prototype Microsoft Access database.

Your input is valuable!

NPPTL values your feedback and ideas regarding this database:

- Who are potential users? What are potential uses?
- Who should be responsible for updating and maintenance?
- What format is most useful (i.e., searchable, online, downloadable)?
- How should the database be marketed to ensure its use?
- How can information regarding suppliers of applicable PPE be incorporated into the database?
- Would you be willing to participate in a focus group? If so, please contact John Sporrer listed below.

For more information or to provide feedback contact:

John Sporrer  
eyo@cdc.gov  
412-386-6435

Prototype PPE Standards Database

Prototype database for personal protective equipment (PPE) standards

For workers using PPE, it is important to understand if your equipment conforms to the right standards.

We are looking for input as we create a database to clarify these standards to make that task easier.
NIOSH is moving toward more structured post-market activities and results dissemination

- Develop a consistent policy regarding what data to collect
- Recommend database format and analysis approach
- Determine approach for disseminating information
- Post market working group established
  - Internal NIOSH and FDA, CPSC, UL, NIST
  - November 5, 2013 meeting in Pittsburgh
NIOSH Health Hazard Evaluation (HHE) Program can serve as a model to develop a “PPE HHE”

- “10-day” Letter after 1st site visit
- Employee notification letters
  - personal monitoring results
- Interim Report, as needed
- Final Report
- Post final report documents:
  - Scientific manuscripts, MMWR articles, presentations, NIOSH blog, HHE Facebook page, NIOSH numbered documents, and trade magazines

Can search thousands of HHE reports at: http://www.cdc.gov/niosh/hhe/
NPPTL is shifting focus to continue to improve PPT leadership by

- most effectively leveraging our laboratory resources,
- leading respiratory and non-respiratory conformity assessment activities,
- emphasizing PPE compliance improvement.
NIOSH will continue to work with the PCAWG and all partners to refine the PPT CA Framework.