

Developing PPE-Info to connect Ebola response healthcare workers to relevant PPE

**The National Institute for Occupational Safety and Health
National Personal Protective Technology Laboratory**

Today I'm going to take you on a Journey

WHAT - the heck is a standard and why is it relevant?

WHERE – on earth did PPE-Info (formerly PPE-PROS) come from?

WHY – are we involved in the Ebola response effort?


HOW – how are we making it happen?

WHAT - the heck is a standard and why is it relevant?



WHAT - the heck is a standard and why is it relevant?

stand·ard

/ˈstændərd/ 

noun

1. **A document** that provides **requirements, specifications, guidelines or characteristics** that are used to ensure that materials, products, processes **meet their intended purpose**.

WHAT - the heck is a standard and why is it relevant?

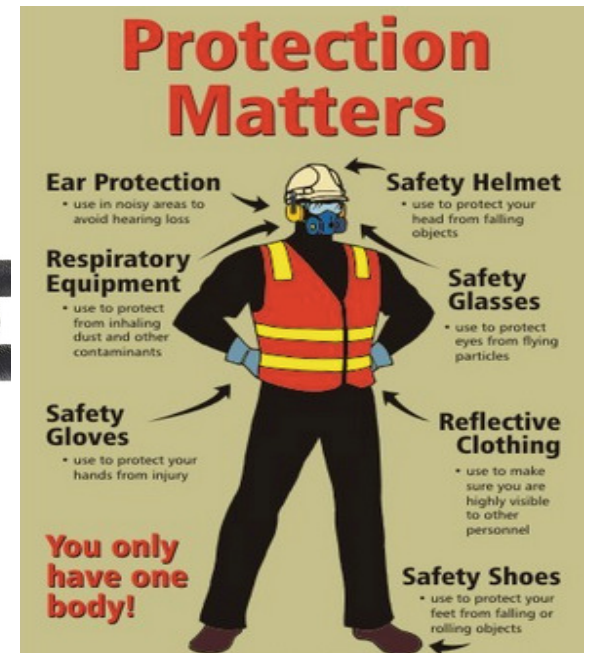


WHAT - the heck is a standard and why is it relevant?

PPE standards are the **link** that connect **manufacturer products** and **employee protection**

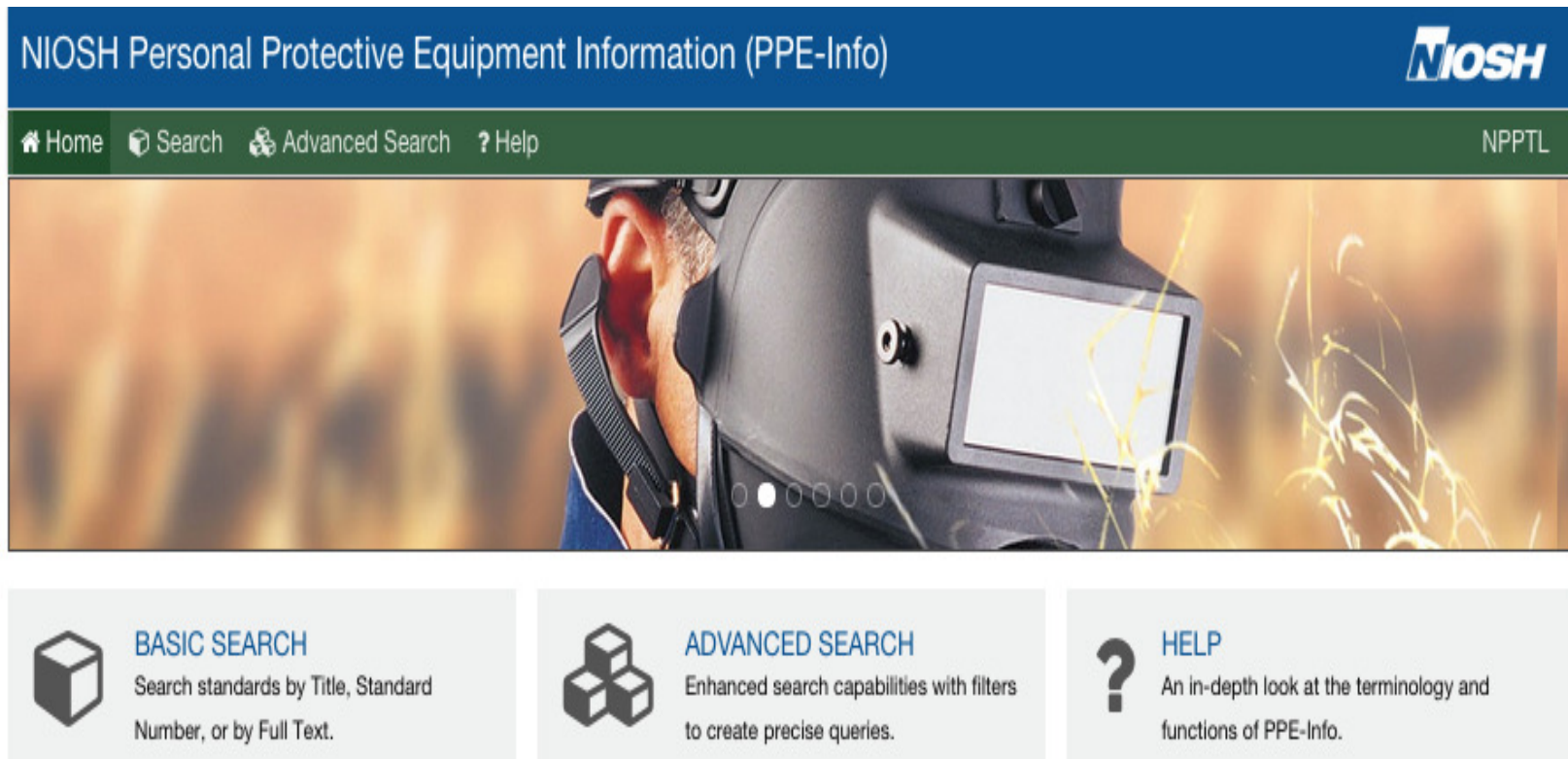


PPE Standards



WHERE – on earth did PPE-Info come from?

Is a compendium of national standards and information regarding respiratory and non-respiratory personal protective technologies



NIOSH Personal Protective Equipment Information (PPE-Info) **NIOSH**

Home Search Advanced Search Help NPPTL

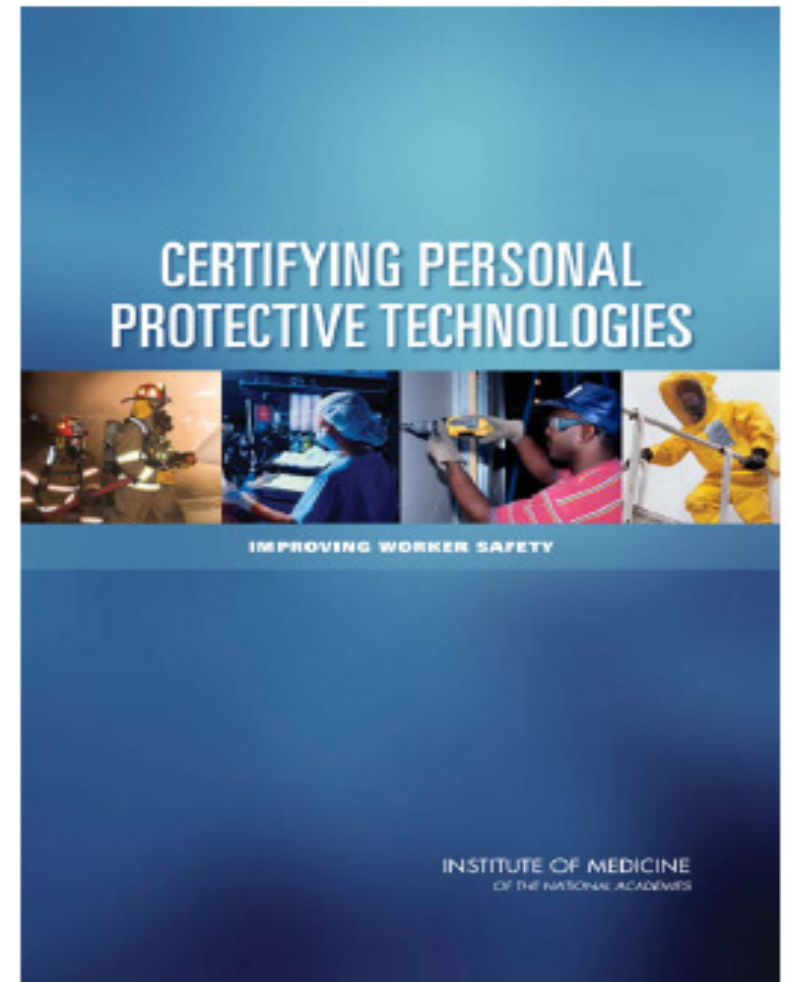
BASIC SEARCH
Search standards by Title, Standard Number, or by Full Text.

ADVANCED SEARCH
Enhanced search capabilities with filters to create precise queries.

HELP
An in-depth look at the terminology and functions of PPE-Info.

WHERE – on earth did PPE-Info come from?

PPE-Info was developed in response to recommendations from the Institute of Medicine (IOM) in its report



WHERE – on earth did PPE-Info come from?

The report charged NPPTL
to -

*“Expand its efforts to
become a national
clearinghouse for
information on all types
of PPT”*



WHERE – on earth did PPE-Info come from?

ANSI/AAMI PB70 ?

Search By Full Text

Search Filters

Personal Protective Equipment Category <input type="text" value="Include all PPE Categories"/>	Hazard Category <input type="text" value="Include all Hazard Categories"/>
Standard Organization <input type="text" value="Include all Standard Organizations"/>	Standard Type <input type="text" value="Include all Standard Types"/>
SOC Code <input type="text" value="Include all SOC Codes"/>	Standard Status <input type="text" value="Include all Standard Statuses"/>

3 Results Found | Page 1 of 1

[ANSI/AAMI PB70](#)

Association for the Advancement of Medical Instrumentation (AAMI) i

"Liquid barrier performance and classification of protective apparel and drapes in health care facilities"

This standard establishes a system of classification for protective apparel and drapes used in health care facilities based on their liquid barrier performance and specifies related labeling requirements and standardized test methods for determining compliance. 🗨

- **Status:** Current
- **Standard Type(s):** Specification, Test Method
- **Hazard Type(s):** Biological
- **PPE Type(s):** Medical protective clothing
- **Testing Lab(s):** Nelson Laboratories, Inc

WHY – are we involved in the Ebola response effort?



WHY – are we involved in the Ebola response effort?

In the CDC's guidance on PPE for Ebola Response Healthcare workers –

Recommendations are given in the form of protection standards for PPE selection and use.

Ebola (Ebola Virus Disease)

Ebola (Ebola Virus Disease)

About Ebola



2014 West Africa Outbreak



Outbreaks



[CDC](#) > [Ebola \(Ebola Virus Disease\)](#) > [U.S. Healthcare Workers and Settings](#) > [Personal Protective Equipment \(PPE\)](#)

Guidance on Personal Protective Equipment To Be Used by Healthcare Workers During Management of Patients with Ebola Virus Disease in U.S. Hospitals, Including Procedures for Putting On (Donning) and Removing (Doffing)

HOW – how are we making it happen?

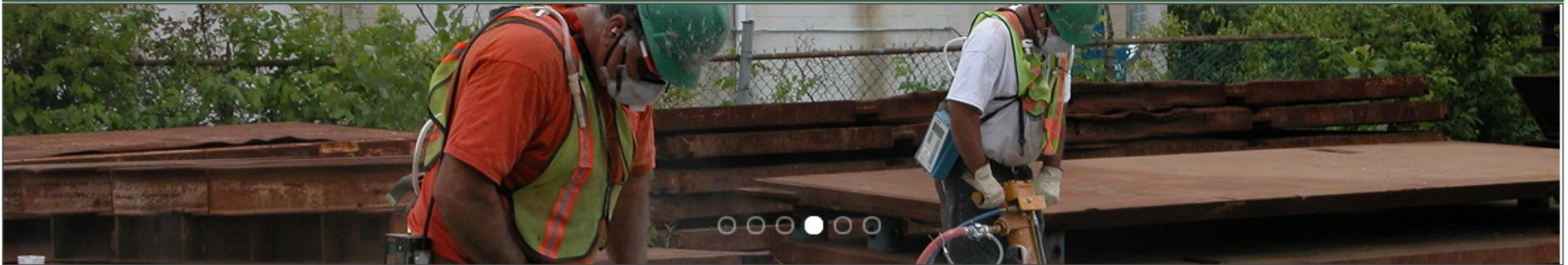
CDC A-Z INDEX ▾

Personal Protective Equipment Information (PPE-Info)



[Home](#) [Search](#) [Advanced Search](#) [Medical Response Guidance](#) [Help](#)

NPPTL



BASIC SEARCH

Search standards by Title, Standard Number, or by Full Text.



ADVANCED SEARCH

Enhanced search capabilities with filters to create precise queries.



HELP

An in depth look at the terminology and functions of PPE-PROS.



MEDICAL RESPONSE GUIDANCE FOR PPE SELECTION

Guidance for medical response personnel (e.g. hospital staff) on products that claim compliance with identified relevant protection standards for a specific response (e.g. Ebola).



<https://www.cdc.gov/DDED/PROS/ERG/>

HOW – how are we making it happen?



Guidance Search PPE Submittal

● Ebola ● Clinically Stable ● Gowns ● ANSI/AAMI PB70 ●

Exposure

Patient

PPE Type

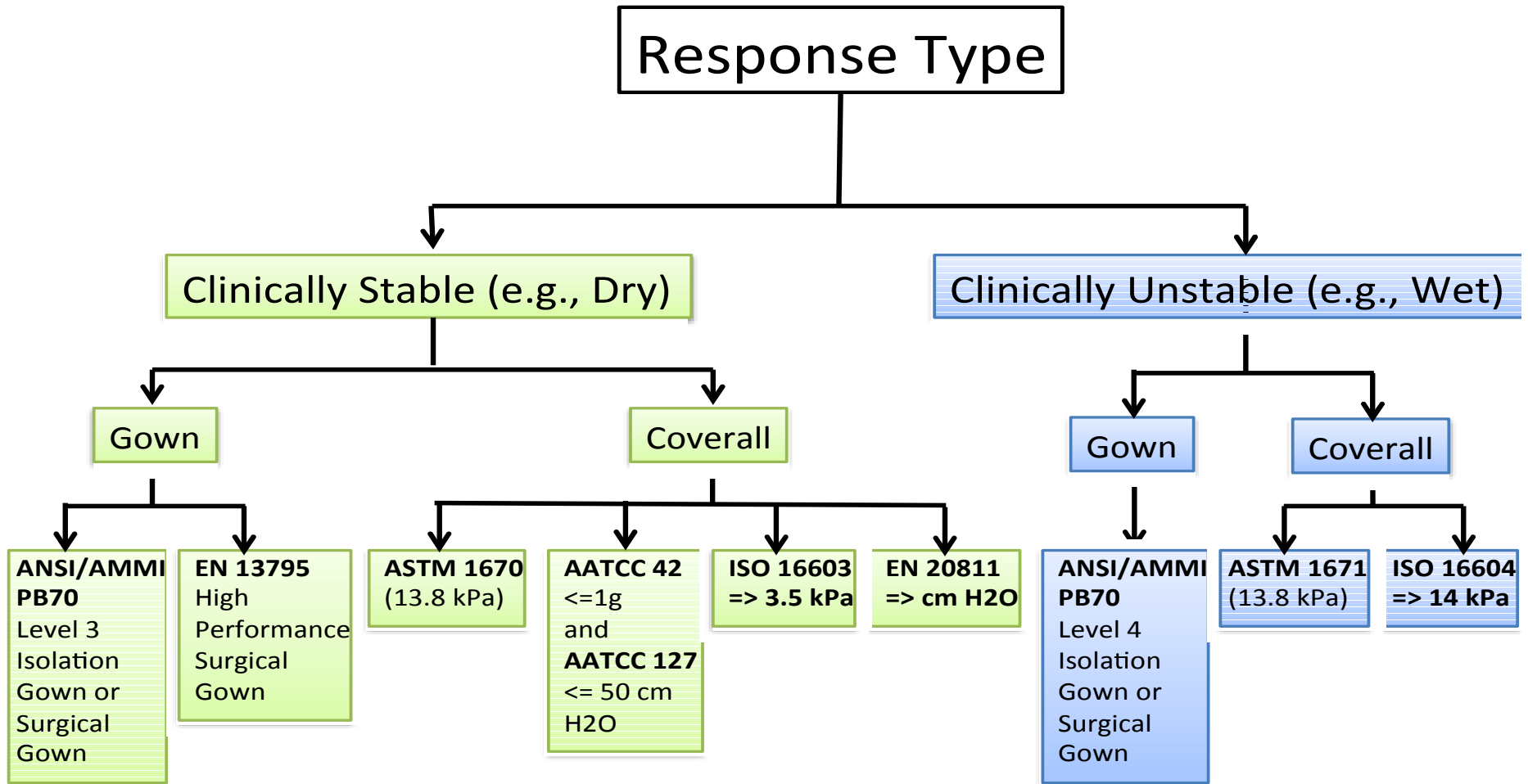
Standard

Based on the CDC guidance and your selection of "Exposure", "Patient" designation and "PPE Type", applicable protection standards are provided in the dropdown menu below. These standards provide differing levels of protection from microorganisms in blood and body fluids. For more information, links to standard details are provided in the PPE-Info database. CDC/NIOSH/NPPTL provides additional guidance, which explains the basic tenants of these standards. (<http://www.cdc.gov/niosh/npptl/topics/protectiveclothing/>).

What protection would you like to select? ⓘ

ANSI/AAMI PB70

HOW – how are we making it happen?



HOW – how are we making it happen?

16 Products Found | Page 1 of 2

Manufacturer

All

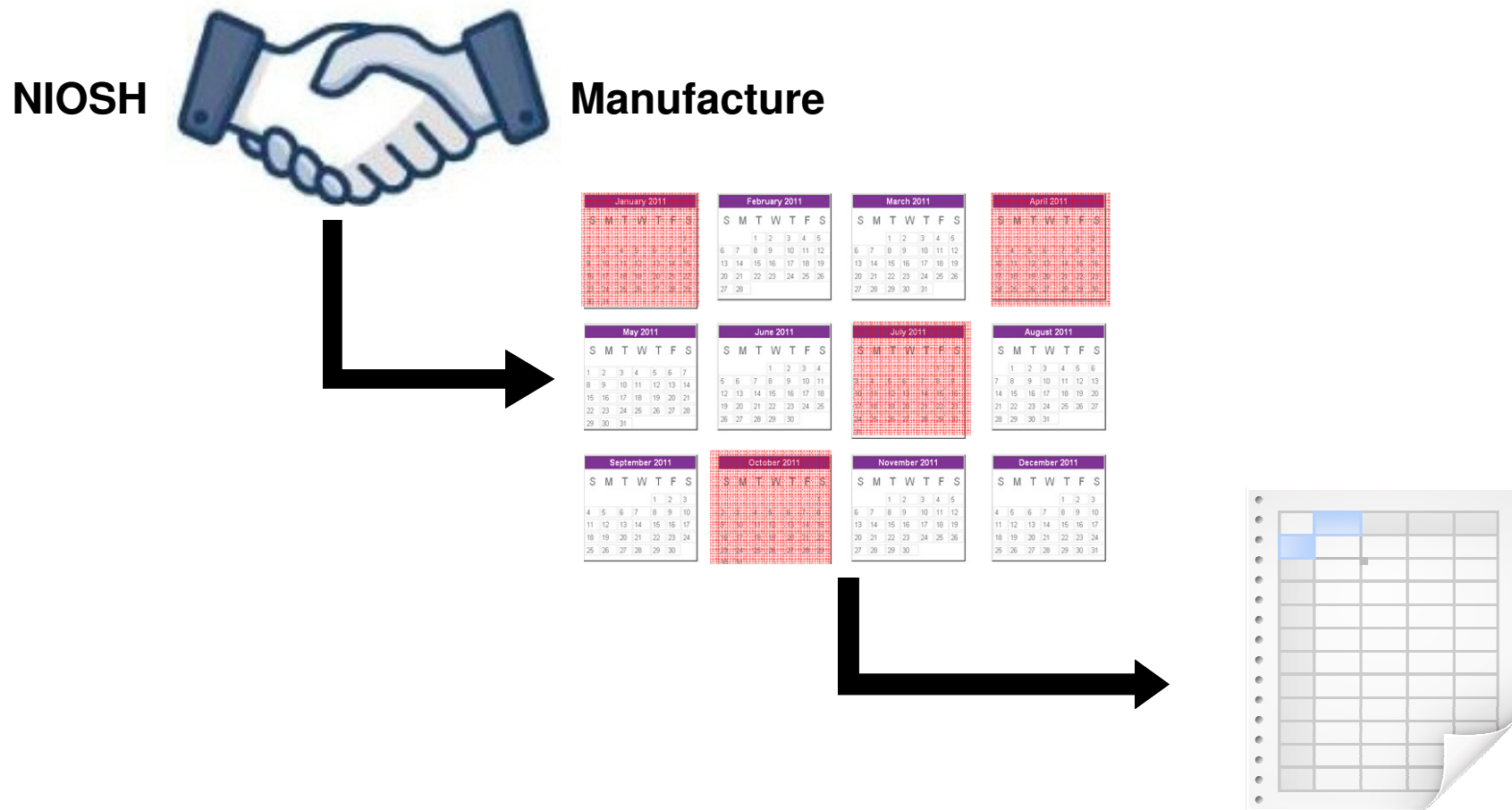
[SmartGown fully impervious gowns - 89005](#)

- Manufacturer: [Cardinal Health](#)
- Model: 89005
- PPE Type: Gowns
- Tested Component(s):
 - ◆ Fabric: [ANSI/AAMI PB70](#)

[MICROCOOL Breathable High Performance Surgical Gown - 72445](#)

- Manufacturer: [Halyard](#)
- Model: 72445
- PPE Type: Gowns
- Tested Component(s):
 - ◆ Fabric: [ANSI/AAMI PB70](#), [ASTM F1670 / F1670M - 08\(2014\)e1](#), [ASTM F1671 / F1671M - 13](#)

HOW – how are we making it happen?



HOW – how are we making it happen?

SIGNATURES This document needs to be signed. View Signatures...													
Manufacturer	Model	Commercial Name	Size	Fabric passes AATCC 42 ≤ 1 g	Fabric passes AATCC 127 ≥ 50 cm H2O	Fabric passes ANSI/AAMI PB70 Level 3	Fabric passes ANSI/AAMI PB70 Level 4	Fabric passes ASTM F1670 (13.8 kPA)	Fabric passes EN 20811 ≥ 50 cm H2O	Fabric passes ISO 16603 ≥ 3.5 kPA	Fabric passes ASTM F1671 (13.8 kPA)	Fabric passes ISO 16604 ≥ 14 kPA	Seams ASTM F (13.8 k

Electronic Verification of Product Information

Acknowledgement

I verify that the information provided in the excel sheet titled "Product Add, Edit & Verify" is correct to the best of my knowledge and that each row of product information has been reviewed for accuracy. By providing an electronic signature to this document, I attest to accuracy and completeness of the information provided.

X

SUMMARY

- Standards are one mechanism for assuring worker protection and they can be very confusing
- The IOM and Stakeholders called for a PPT Information clearinghouse and NPPTL responded with PPE-Info
- We are connecting recommended Ebola response PPE standards with relevant products
- Manufacturer partnerships are the key to our success

The success of PPE-Info is dependent on your input and partnership



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Disclaimer: The findings and conclusions in this presentation have not been formally disseminated by the National Institute for Occupational Safety and Health and should not be construed to represent any agency determination or policy.

Thank You!