

Strategic Plan for CBRN Equipment Standards

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Report Documentation Page

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Introduction and Overview

- **Members of the Committee**
 - NFPA, NIOSH, NIST, FEMA, OSHA, EPA,
 - DOE, ANSI, SBCCOM, NDPO, FBI
- **Relationship to other projects**
- **High-level timing goals- MOU, IA**

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PURPOSE

- A suite of minimum performance, commonality and interoperability standards is needed for Chemical/Biological/Radiological/Nuclear (CBRN) equipment utilized by the first responders to acts of terrorism. Such standards, and the associated requirements and test protocols, are needed to guide manufacturers and equipment developers; and equipment procurement decisions by public safety and health agencies. This document presents the strategy and process within the IAB Standards Subgroup for identifying, adopting, modifying, and developing CBRN equipment standards, in the following prioritized order: respiratory protection, personal protective, communications, decontamination, detection, and medical equipment. It does not address the specifics of schedules, resources, or those standardization processes that are agency-specific.

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GOALS & OBJECTIVES

- **GOAL**

- SUITE OF STANDARDS
- FACILITATE INFORMED PROCUREMENT TO USERS, MANUFACTURERS, DEVELOPERS ,and the TEST and EVALUATION COMMUNITY to **ENSURE PRODUCT COMPLIANCE**

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GOALS & OBJECTIVES

- **OBJECTIVE**

- 1. Not Reinvent work previously done
 - Or
- 2. Provide Redundant products
- However will take advantage of all available information and standards that are applicable

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OVERVIEW of the PROCESS

- PREPARATION PHASE
- IMPLEMENTATION PHASE

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PREPARATION PHASE

- **Evaluate existing standards to see:**
 - **A. If existing standards can be adopted into the suite of CBRN standards**
 - **B. If they need to be modified before being adopted**
 - **C. If new standards need to be developed**

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PREPARATION PHASE

- **The SCC needs the key equipment subgroups to ID standards for equipment in their commodity area**
- **Subgroup must evaluate their applicable standards to assess adequacy, need for modification, gaps and conflicts**
- **Continued-**

PREPARATION PHASE

- **Part of the preparation phase also includes:**
- **I.D. of the Threat**
- **I.D. of Operational Requirements**
 - **Input from the User Community**
 - **Agreement by the NFPA TCC to provide assistance**
 - **Survey & Assessment of existing standards**

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IMPLEMENTATION PHASE

- **INCORPORATE WORK FROM SUB-GROUPS BY:**
 - 1. Process of adoption of existing standards
 - 2. Coordination of the modification of standards within SRO's, SEO's, & SDO's.
 - 3. Development of New Standards
 - Continued-

IMPLEMENTATION PHASE

- **SCC has a methodology for reviewing standards within the suite:**
 - Typically within a 5 year cycle
 - Reaffirm applicable standards and disseminate to local, state & federal public safety and health communities
 - Recall obsolete standards
 - Continued-

IMPLEMENTATION PHASE

- **INTERIM STEPS:**

- **First Responder equipment compendium set of guides by NIST/OLES**
 - Will catalogue existing CBRN equipment, their characteristics, and contain test data where found
 - Of necessity; interim voluntary standards/or comparative evaluation protocols for testing of CBRN equipment

IMPLEMENTATION PHASE

- **NIST/OLES Compendium Guides- By the end of the calendar year**
 - **Chemical Detection Guide**
 - **Bio Guide**
 - **Decontamination Guide**
 - **PPE Guide**
 - **Communications Guide**

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STANDARDS COORDINATION COMMITTEE (SCC)

- **NIST/OLES serves as
“Executive Agent” for the
SCC Suite of Standards**
- **Following Organizations:
NIOSH, OSHA, EPA,
NFPA, NIST/OLES,
NDPO, ANSI, SBCCOM,
CHPPM, DoE, IAFF, IAFC,
IACP, FBI.**
- **Chair of each Commodity
Subgroup**



STANDARDS COORDINATION COMMITTEE (SCC)

- **FUNCTIONS of SCC**
 - **Facilitate Standards Suite development**
 - **Alert subgroups & request reconciliation when contradictory**
 - **Alert subgroups when proposed requirements are contradictory to Federal and State Regulations**
 - **Raise attention to similar or additional requirements under internal development within SDO's, SRO's, and SEO's.**
 - **Provide technical and non-technical advice**

SUBGROUPS

- **ROLES:**

- **Subject Matter Experts (Users)**
- **Maintain and Update Equipment Lists**
- **Provide input to Chair in order that they may bring it forward to the SCC**
- **Address ways and means by which technology can support WMD Response**

CONCLUSION

- **General Discussion**
- **Questions and Answers**

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