



# **Ninth Annual ANSI-HSSP Plenary: U.S. European Collaboration on Security Standardization Systems**

## **Open Discussion**

*Moderated by*

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# Open Discussion



- Based on what standards we know exist, can we identify the gaps that need to be filled and priorities for European-U.S. collaboration?
  - What works?
  - What doesn't work?
  - What needs more research, development, or refinement?
  - Roles of the public/private sectors.
  - Upcoming Opportunities.

# General



- Standards required for ease of exchange of data
- Standards required for resiliency
- Need for international interoperability standards
- Need for integration of standardization & research to improve innovation (need to avoid duplication)
- Need for interoperability among public safety organizations at the international level
- Need for the alignment of security policies at the European and international level
- Cross-boundary information sharing presents a challenge
- bvg

# Panel 1: Aviation Security



- Better communication of performance requirements that may be classified
- Development of consensus standards that can be used to demonstrate underlying capability of equipment that will result in capability of passing performance requirements
- Valued of Knowledge Bases
- Development of test articles
- Accessibility of T&E facilities for validation
- Appropriate conformity assessment systems need to be established

# Panel 1: Aviation Security



- Need for national standards for canine detection (e.g. training, scientifically supported, etc.)
- VBIED; going beyond the airport checkpoint (DoD)
- Vapor Standards - developing quantitative and qualitative methods
- Homemade Explosives Standards (HMEs)
- U.S./E.U. collaboration needed (security scanners & liquid screening equipment)

# Panel 1: Aviation Security



## identifying needs:



**ANSI-HSSP Workshop on Standards for Noninvasive Inspection Systems**

- April 2010
- 160 participants
- 75 organizations

|  |   |
|--|---|
| revised ANSI N42.46<br>(technical performance, cargo/vehicle)                      | <ul style="list-style-type: none"> <li>• <i>add materials discrimination test</i></li> <li>• re-size for air-cargo inspection</li> <li>• apply statistical scoring</li> <li>• safety considerations</li> <li>• compare results to IEC cargo standard</li> </ul> |
| revised ASTM F-792 (classic aviation checkpoint IQ test piece)                     | technically outdated  |
| ANSI N43.16<br>(cargo/vehicle radiation safety)                                    | needed by CBP, NBSCAB, & TSIF   |
| revised NIJ 0603.01<br>(bomb squads; image quality)                                | NBSCAB 2010 requirements document   |
| IEC standard for x-ray AIT image quality   | NWP accepted OCT 2010   |
| imaging performance standard for mm-wave or technology-neutral standard            | currently no extant standards   |
| dosimetric protocol to measure high-E beams used in cargo screening                | under development at NIST, traceable to primary standards   |
| standard screener training, CONOPS, data formats, and Automated Target Recognition | NEMA's DICOS standard, <i>etc.</i>  |

## Panel 2: Borders & Maritime Security



- Need for authentication methods for documentation to prevent counterfeiting
- Mobile identification & verification – multiple applications – good topic for joint international standardization effort
- Urgent need for international maritime security standards
- Need for singular privacy standard
- Need for one standard security measure
- International certified list of secure data hardware

# Panel 3: Conformity Assessment



- Need to create 3<sup>rd</sup> party accreditation authorities in conjunction with Customs
- Challenges related to funding
- Self-declaration vs. certification



# Panel 4: Global Supply Chain Security



- Need to incentivize processes used
- Securing freight containers is not only a GSCS issue but is a major issue that has not yet been adequately addressed
- Standardized sensor network interfaces are needed and exist to facilitate interoperability
- Smart and wireless sensor and sensor integrated RFID standards can benefit:
  - Cargo container security
  - Supply chain security, e.g. cold chain
- Need to continue the harmonization of national and international sensor and related standards to foster worldwide interoperability and information sharing

# Panel 4: Global Supply Chain Security



- Lack of harmonization & standardization for security equipment and requirements
- Need for comprehensive & effective multi-layered risk management approach
- Need for common customs requirements, procedures, & standards to ensure global interoperability
- Need for family of standards to manage security aspects of globalization
- Public-private partnership needed to secure critical infrastructure
- Commercially acceptable global standards must be derived from commercial industry best practices
- Need standards for outsourcing

# Panel 5: Preparedness & Crisis Management



- U.S. & E.U. could jointly implement standards to validate an impact assessment resulting from open source information
- Need to establish international standards to provide interoperable & secure communications
- Need for interoperability among public safety organizations at the international level
- There is a need for the alignment of security policies at the European and international level
- Cross-boundary Information sharing presents a challenge

# Panel 5: Preparedness & Crisis Management



| Capability Category                 | Capabilities                             | High level Findings     |
|-------------------------------------|--|-------------------------|
| Alerting and Notification           | General Alerting and Notification        | Gaps May Exist          |
|                                     | Vehicular Emergency Alerting             | Gaps May Exist          |
|                                     | Sensor Information Notification          | Gaps May Exist          |
| Resource Management                 | Resource Ordering and Acquisition        | Gaps May Exist          |
|                                     | Resource Tracking and Monitoring         | Draft Standard          |
|                                     | Facility Status/Resource Utilization     | Gaps May Exist          |
| Decision Support Information        | Traffic Information and Advisory         | Approved Standard(s)    |
|                                     | Weather Information and Forecast         | Approved Standard       |
|                                     | Facility and Site Assessment Information | Gaps May Exist          |
|                                     | Suspicious Activity Information          | Voluntary standard      |
|                                     | Vehicular Information                    | Approved Standard       |
| Situational Awareness and Reporting | Situation Reporting and Awareness        | Standard in Development |
|                                     | Incident Information/Incident Status     | Gaps May Exist          |
| Personal Information                | Patient/Victim Information and Tracking  | Gaps May Exist          |
|                                     | Responder Credentials                    | Gaps May Exist          |
|                                     | Citizen Information                      | Gaps May Exist          |

# Next Steps



- Acknowledge excellent information exchange that has taken place during HSSP Plenary 2010
- Agreement to foster the collaboration with the European Union through European Standards Organizations in further dialogue on homeland security standardization
- Explore communicating the benefit of international standardization on cross-border issues