

# HSSP Ninth Annual Plenary Meeting: U.S. – European Collaboration on Security Standardization Systems

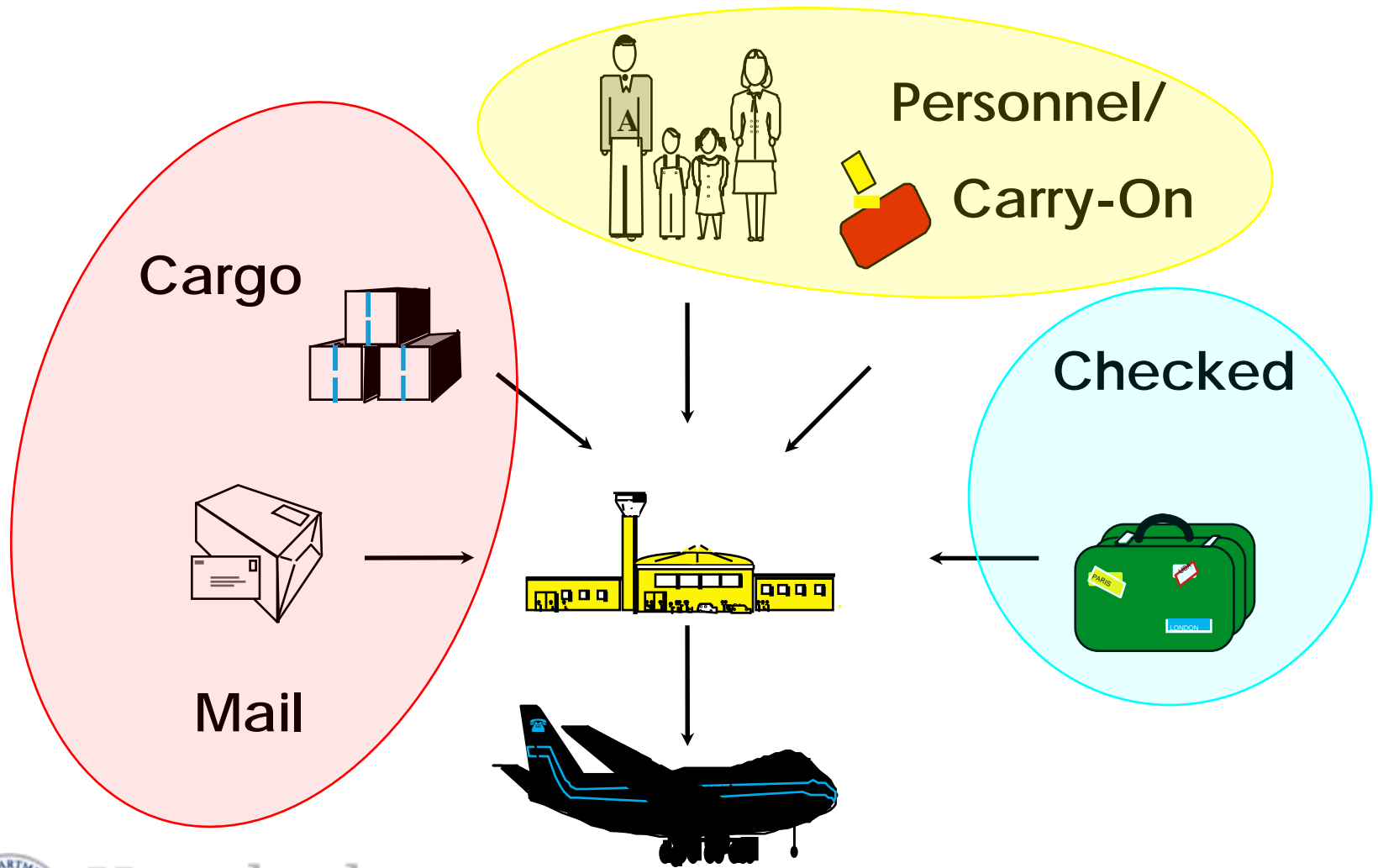
## **PANEL 1: Aviation Security Standardization**

Chair: **Dr. Susan F. Hallowell**, Director  
Transportation Security Laboratory  
Science and Technology Directorate  
Department of Homeland Security

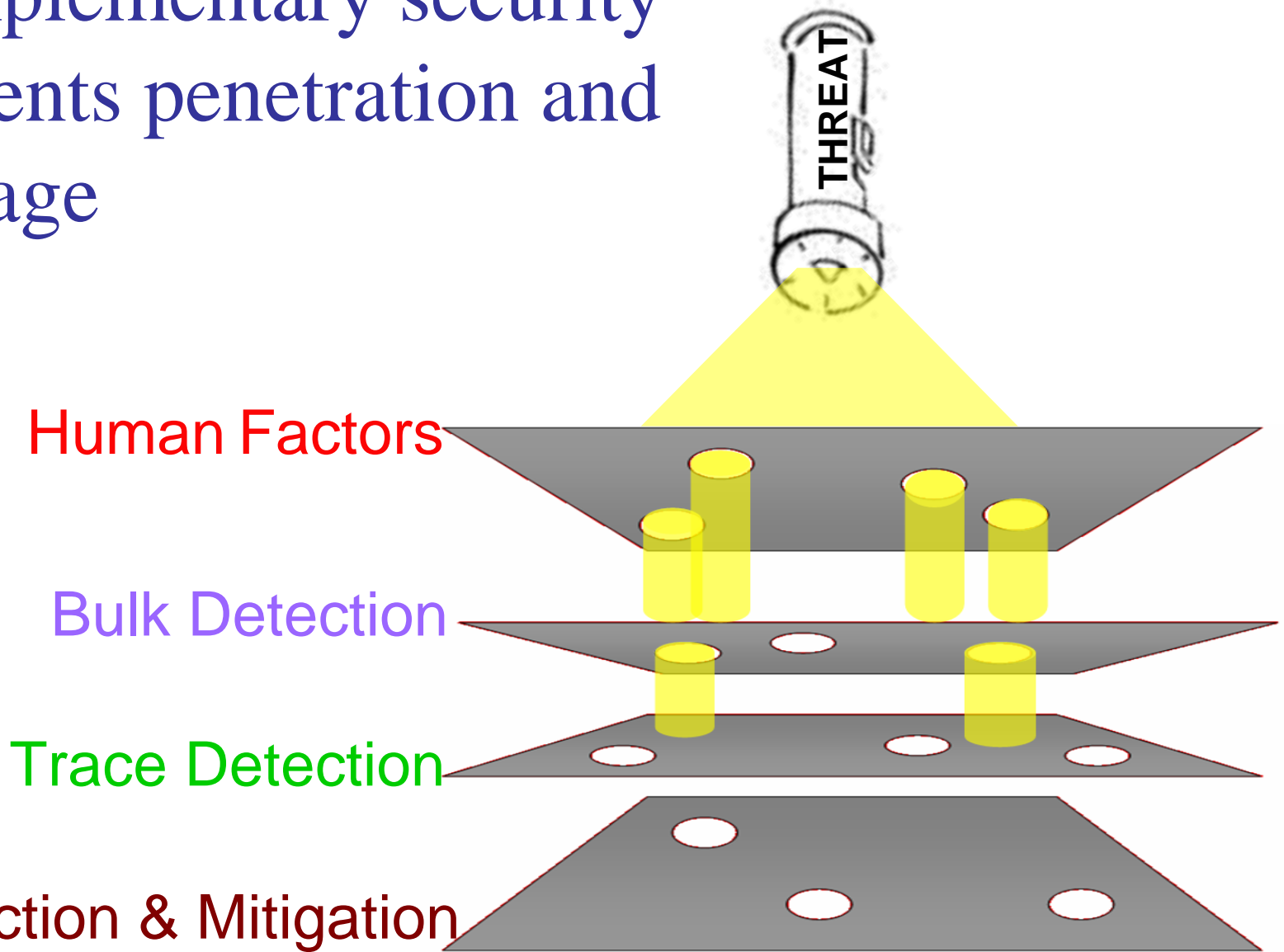


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# Ways That Explosives Can Be Introduced into Transportation Systems



# Complementary security prevents penetration and damage



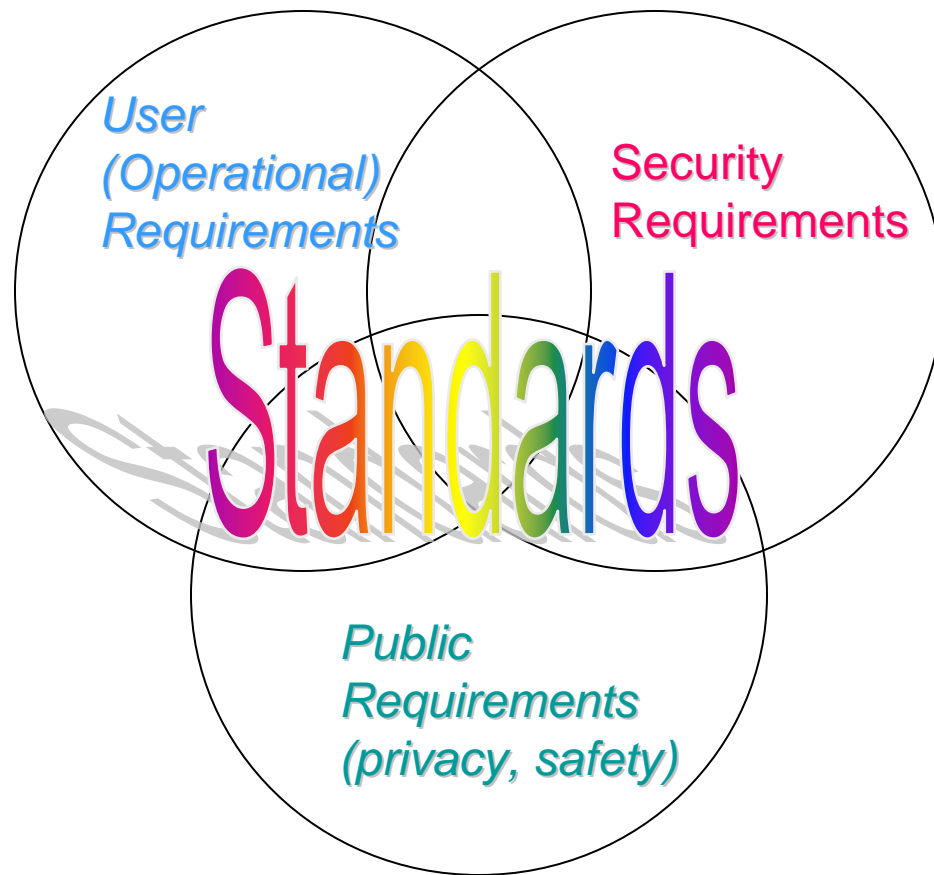
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# Aviation Security Standards

- Performance Requirements=Performance Specifications, not Standards
- Voluntary Consensus Standards
- X-ray Based Standards
- Trace Standards
- Data export standards (DICOS, common image display to screeners from different security platforms)



# Three aspects of development of standards for collaborative testing



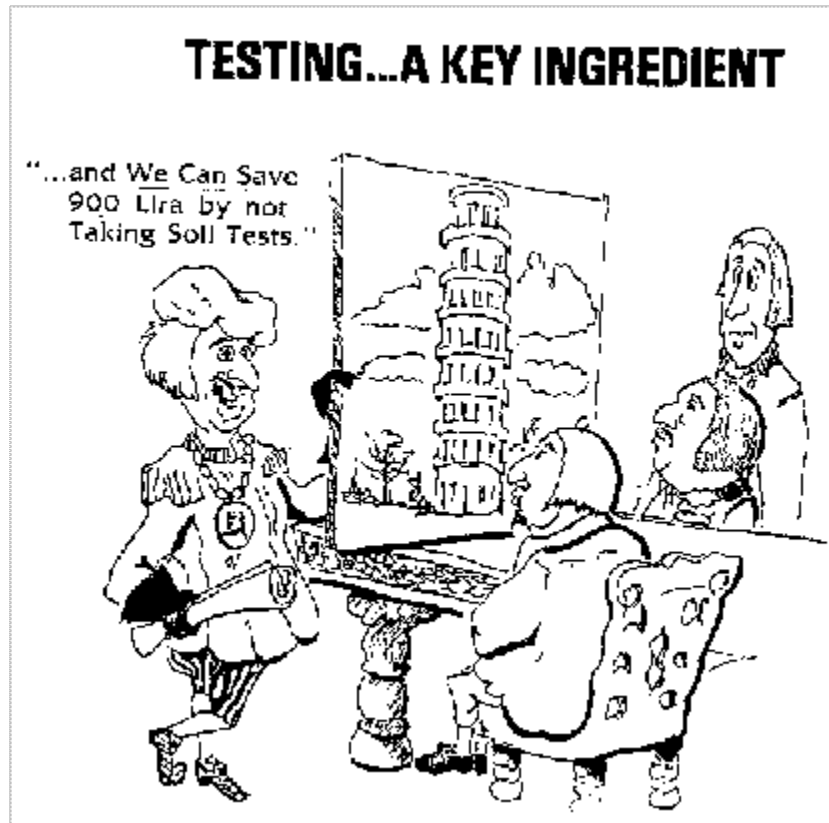
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# Requirements to Standards Evolution?

- 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



# Collaborative Testing Across Boundaries



## Boundaries

- Governments
- Departments
- Cultural
- Geographical



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# PANEL 1

## Aviation Security Standardization

**Dr. Larry Hudson**, Physicist, Physical Measurement Laboratory, National Institute of Standards and Technology (NIST), “*X-ray and  $\gamma$ -ray Standards for Aviation Security*”

**Dr. Stefan Lukow**, Trace Chemist , Transportation Security Laboratory, Science and Technology Directorate, US Department of Homeland Security (DHS ),“*Trace Explosive Standards for the Lab and Field*”

**Mr. David Kontny**, Chief of Staff, Office of Infrastructure Protection, DHS, “*K-9 Standards for Security*”

**Klaus Keus**, Institute for the Protection and Security of the Citizen, Security Technology Assessment, European Commission, Joint Research Centre



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# Homeland Security



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