

Safety and Security Interface Technology Initiative: the Security Technology Information Archive (STIA)



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Technology and Assistance
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Safety and Security Interface Goals

- **Effectively meet both 10CFR830 and the Design Basis Threat (DBT)**
- **Provide tools and information to streamline the process**
- **Provide for improved cross functional communications**

TROSSI

- **Topical Report on Security and Safety Integration (TROSSI) – Sept. 11, 2006**
- **Joint product of EFCOG SAWG and Security Working Group**
- **Included:**
 - **Controls selection process**
 - **Safety Basis/Security documentation integration**
 - **Configuration control**
 - **Development of shared “tool box” of information and successes**

Approach Similarities and Challenges

- **Similarities**

- Both deal with upset scenarios and risks: likelihood, consequences, and controls
- Provide risk information

- **Challenges**

- Security events outside DSA space
- Security risks applicable to facilities and across site
- Security and Safety must not defeat each other

What is STIA?

Security Technology Information Archive

A data “clearing house” to provide timely access to information needed to select, install, operate, model, inspect, maintain, and receive credit for deployment of security equipment.

Sharing safety and security data across DOE and NNSA will expedite the deployment of technologies and reduce redundant work!


Who Are The Users?

- **Site Security Operations Staff**
- **Protective Force**
- **Performance Test Staff**
- **Site VA Analysts**
- **Site Safety Personnel**
- **Project Managers**
- **Inspectors and Auditors**


What Data and Resources will it Contain?

- **Performance Data for Security Technologies**
 - Site lessons learned reports
 - Short summary or “cut” sheet on various technologies
- **Safety Data for Security Technologies**
 - Laboratory test reports
 - Site lessons learned data leading to safety authorization
 - Failure Modes and Effects Analysis (FMEA)
 - Maintenance requirements and plans
 - Software Quality Assurance (Verification and Validation)
 - DOE Approved Training Plans (includes safety requirements)
- **Vendor Data**

STIA Archive Manager has Searchable Database of Archived Information



Security Technology Information Archive
Technology Deployment Resource Center



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Corporate Name	<input type="text"/>
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Document ID	<input type="text"/>
Technology	<input type="text" value="ADVANCED CONCEPT ARMORED VEHICLE (ACAV0000)"/> <input type="text" value="AMMUNITION (AMMO0000)"/> <input type="text" value="DILLON AERO (DILAER00)"/> <input type="text" value="EXPLOSIVE DETECTION (EXPDET00)"/> <input type="text" value="GLOBAL POSITIONING SYSTEM TRACKING (GPSTKR00)"/>
Category	<input type="text" value="AFTER ACTION SITE EVALUATION FORM (AASEF)"/> <input type="text" value="ACCEPTANCE TESTS (ACTST)"/> <input type="text" value="ADDITIONAL SOURCES OF INFORMATION (ADDIN)"/> <input type="text" value="category1 (catg1)"/> <input type="text" value="CONDUCT OF OPERATIONS (CDOPS)"/>
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Technology

Category

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How Will Data Be Disseminated?

- **Users will contact STIA via phone or email requesting information.**
- **STIA staff will verify the User's need to know and clearance.**
- **STIA staff will locate information (in a proactive manner) and distribute in appropriate manner: postal mail paper copies and/or CDs; electronically mail with or without encryption.**

**Jason Morrow, STIA Archive Manager
phone 865-241-6615
email morrowj@ornl.gov**

*The STIA staff will be knowledgeable of deployed systems,
and capable of guiding requestors to the right product quickly*

Where Will The Data Come From?

- **The STIA will be placed on routine distribution of HSS reports published in 2007 and beyond.**
- **STIA staff is actively gathering archived and new information from DOE and NNSA sites, other govt agencies, and vendors.**

If you have information you would like to submit for inclusion in STIA, contact Jason Morrow, STIA Archive Manager, phone 865-241-6615.

What's In It For Me?

- **STIA is a piece of your TROSSI toolbox!**
 - **Security Systems Toolbox: Development, Data Capture, Data Sharing, Standing Database; Safety Basis and Security Documentation Integration**
- **TROSSI Lead Site Approach and data submission to STIA will reduce the duplication of effort for safety approvals – saves you time and money!**
- **STIA will distribute regular reports providing status updates on archived information (e.g. abstract report) so you know what information each site is contributing for your use, too.**

Where Will It Be and Who Will Run It?

- The STIA physically resides at Oak Ridge National Laboratory

- STIA Subject Matter Expert and Archive Manager

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- **Additional Contacts:**

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- **PSI: Bobby Beaty (865) 680-3004**

Site Point of Contacts

- **SAWG and Security Working Group need to identify site Points of Contact (i.e., one of each) at each site with security/safety interface**
- **Concept is to have a lead site for each technology**
- **Periodic teleconferences**