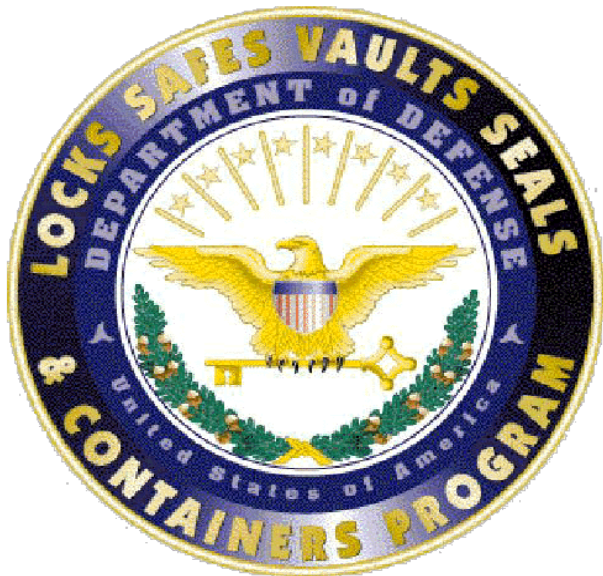




Department of Defense Lock Program



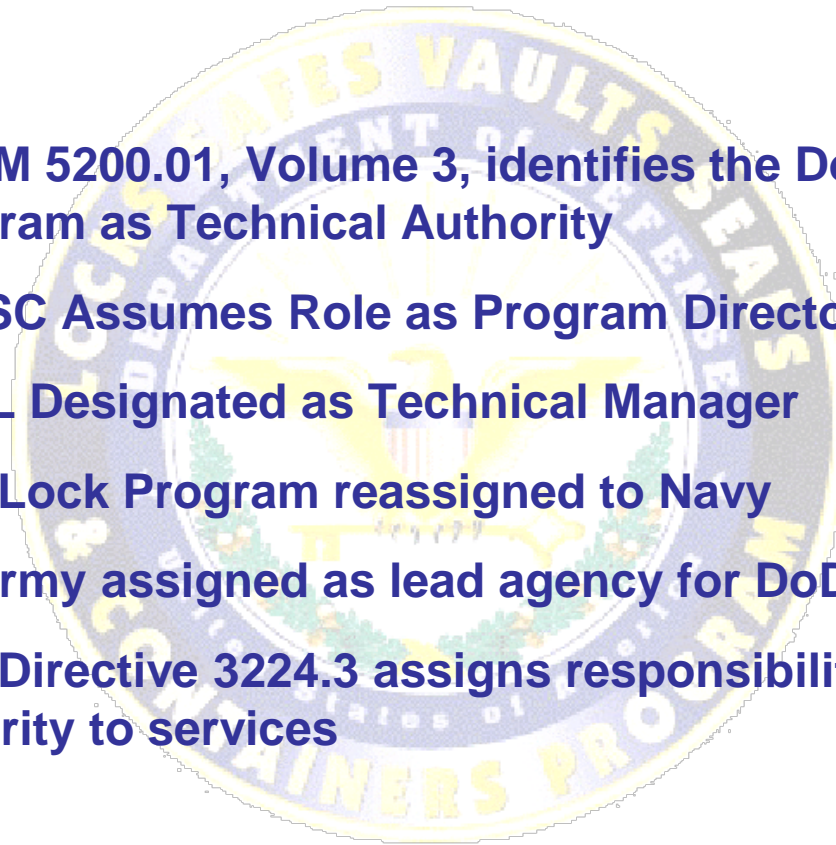
Program Information

March 2012



Program Background

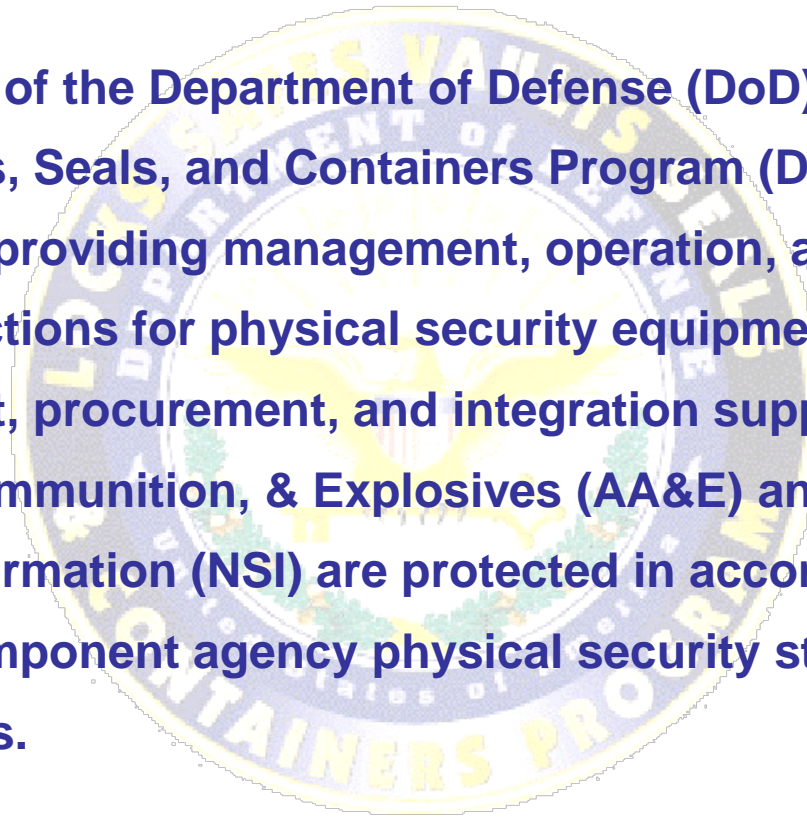
- 2012: DODM 5200.01, Volume 3, identifies the DoD Lock Program as Technical Authority
- 1995: NFESC Assumes Role as Program Director
- 1984: NCEL Designated as Technical Manager
- 1984: DoD Lock Program reassigned to Navy
- 1979: US Army assigned as lead agency for DoD Lock Program
- 1976: DoD Directive 3224.3 assigns responsibility for physical security to services





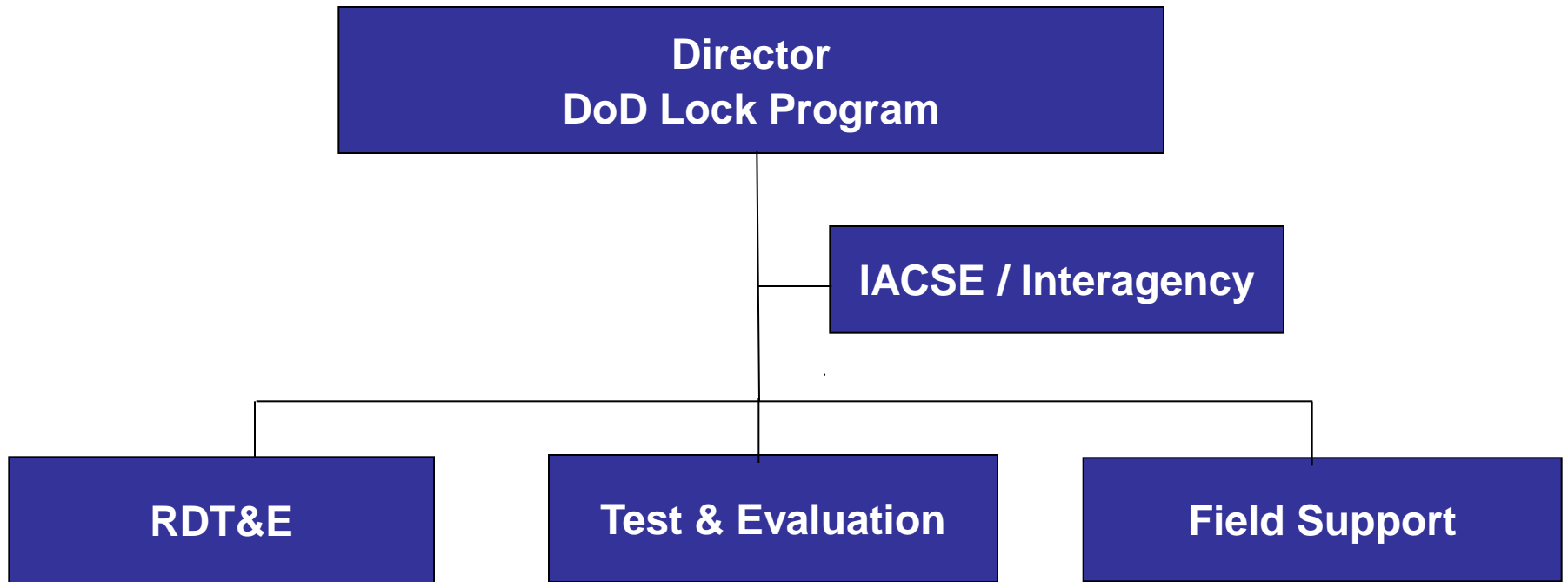
Program Mission

The mission of the Department of Defense (DoD) Locks, Safes, Vaults, Seals, and Containers Program (DoD Lock Program) is providing management, operation, and logistics support functions for physical security equipment. This development, procurement, and integration support assures that Arms, Ammunition, & Explosives (AA&E) and National Security Information (NSI) are protected in accordance with DoD and component agency physical security storage requirements.





Program Structure





Sponsors

- **Commander Naval Installations Command (CNIC)**
- **Naval Facilities Engineering Command (NAVFAC)**
- **DoD Physical Security Equipment Action Group (PSEAG)**
- **United States Army**
- **Defense Logistics Agency (DLA)**
- **Central Intelligence Agency (CIA)**
- **Director of National Intelligence (DNI)**
- **General Services Administration (GSA)**



RDT&E Projects

- Internal Locking Device
- Storage Magazines
- Shipboard Security Systems
- Advanced Container Security Device (ACSD)
- Weapons Tracking Seal



The Next Generation of High Security Locking Systems



**Existing 833 Padlock and
NAPEC 0957 Hasp**



**Completed ILD Swinging
Door Installation**



ILD Advantages

- **Significantly increases attack resistance over all other approved high security locking systems.**
- **Easily installed as part of new construction or retrofit on existing magazines.**
- **Significantly improves key operation and reduces key breakage problems.**
- **Operates reliably in all weather / environmental conditions.**
- **Significantly reduces opening and securing times.**
- **Teflon anodized operating parts and body to maximize product life, and eliminate periodic lubrication.**



ILD Applications

**Single Sliding Magazine
Door ILD System**



**Universal Mount ILD System for
Double Swinging Magazine Doors
(Blast Doors)**



**Double Swinging
Magazine Door ILD System**



**Single Personnel Door
ILD System (Armory)**



**Double Sliding Magazine
Door ILD System**

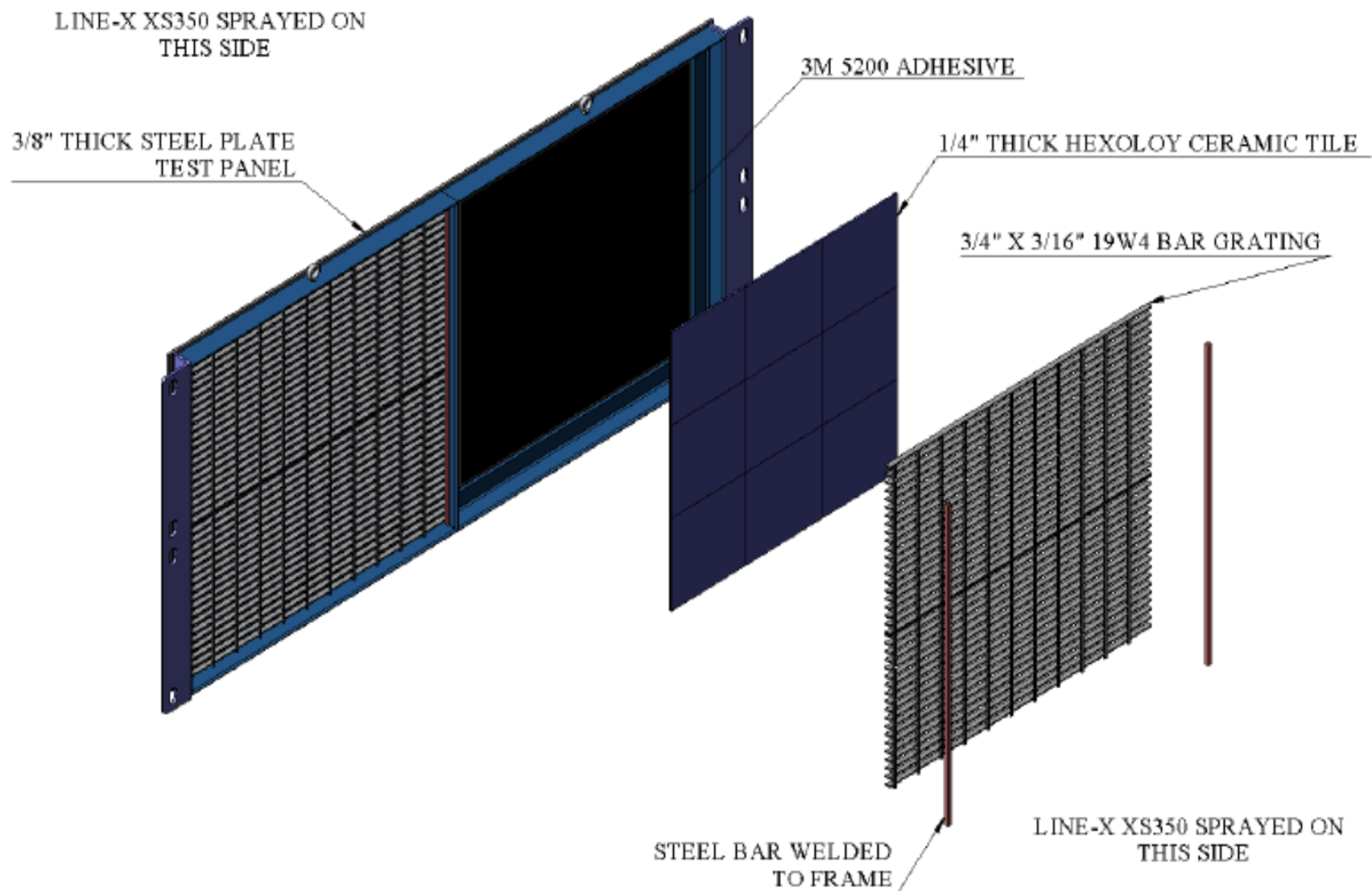




Physical Security of Weapon Storage Magazines

The typical magazine
door is constructed of 3/8"
plate steel





MTP-07-1 TEST PANEL



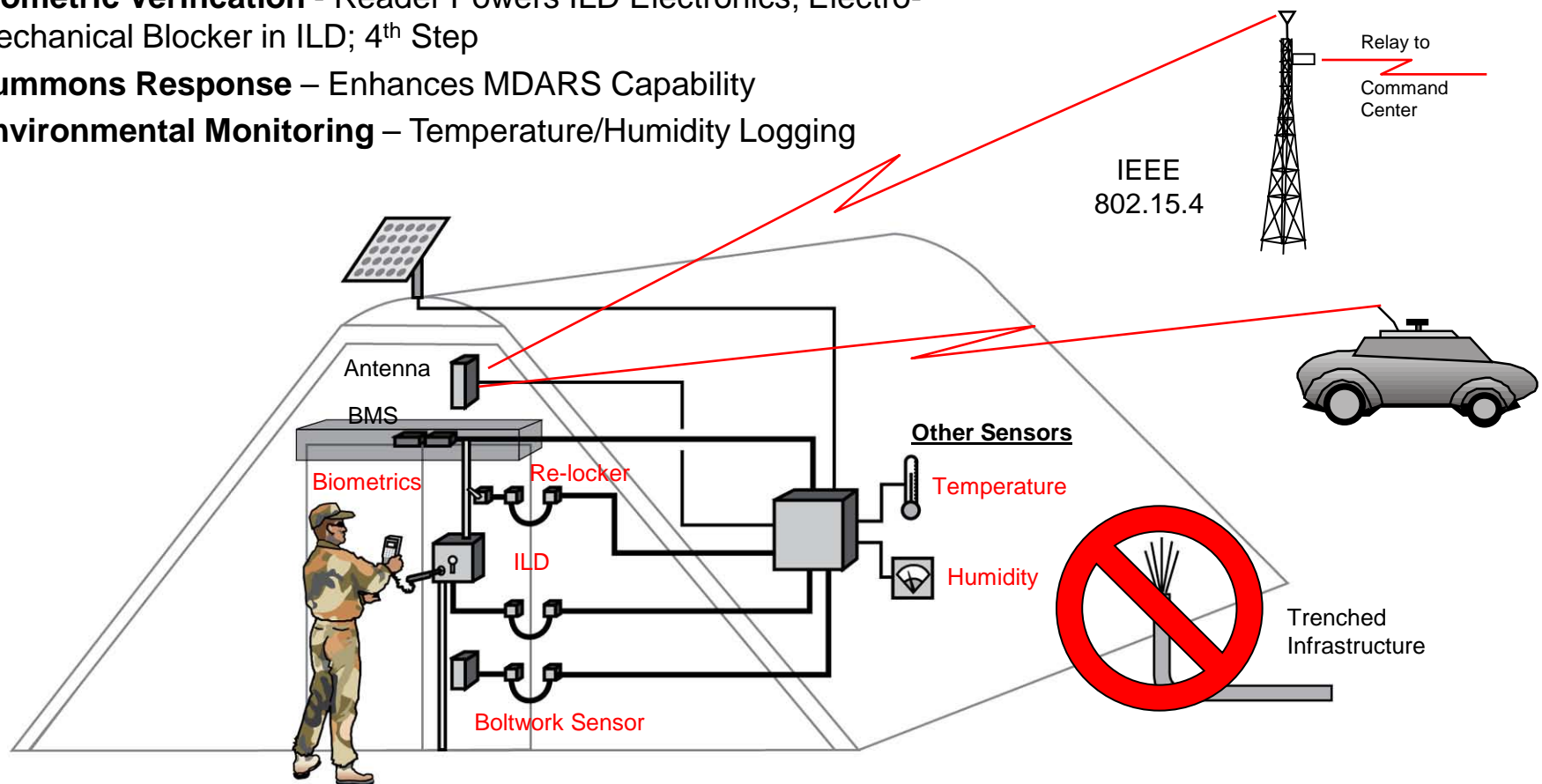
Physical Security of Weapon Storage Magazines

Stops 1200 grain LSC



Smart Magazine

- **Lock / Boltwork / Door Sensors** - Sequential Operation
- **Electro-Mechanical Re-locker** - 1-Hour Delay; 2-Way Comms
- **Biometric Verification** - Reader Powers ILD Electronics; Electro-Mechanical Blocker in ILD; 4th Step
- **Summons Response** – Enhances MDARS Capability
- **Environmental Monitoring** – Temperature/Humidity Logging





Shipboard Security Systems



Capability

Develop GSA Approved shipboard security solutions, Federal specifications, and policy requirements to mitigate current security vulnerabilities aboard ship.

Service Requirements:

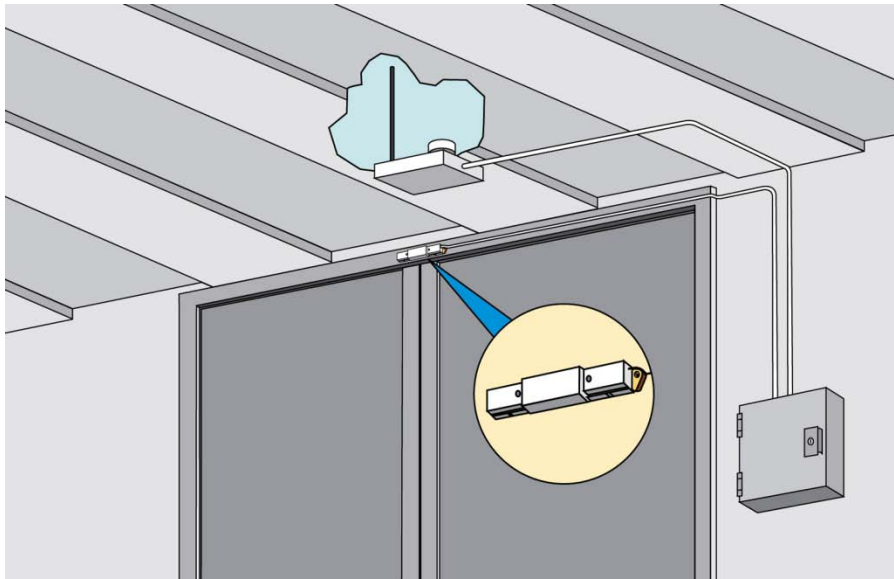
- Chief of Naval Operations (N09N2). Security requirements equivalent to GSA class 6 security containers.
- KPPs: Security containers that meet storage, shock, vibration, and mounting requirements.

Transition Sponsor: GSA, NAVSEA PMS 500

Policy Requirement Sponsor: CNO, OUSD(I)



Advanced Container Security Device (ACSD)



Capability

- The ACSD is being developed to address DHS requirements for cargo transport. A scaled down version will meet DoD physical security and anti-tamper requirements of cargo and ordnance transport and storage.

Service Requirements:

- War Zones – Stolen AA&E Containers

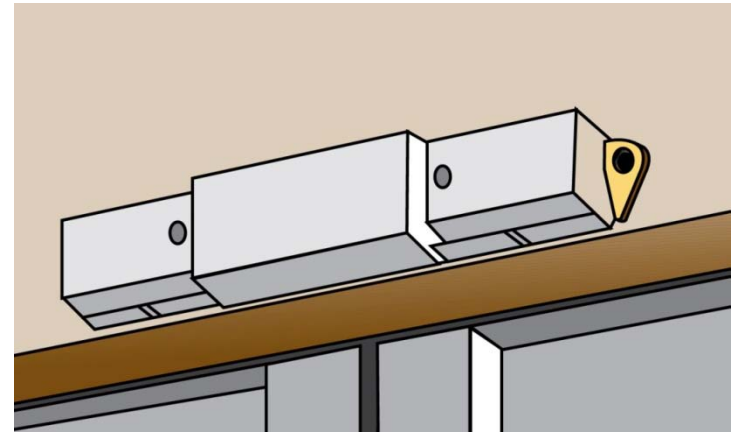
Transition Sponsor: CNIC/NWS Earle



CSD / ACSD

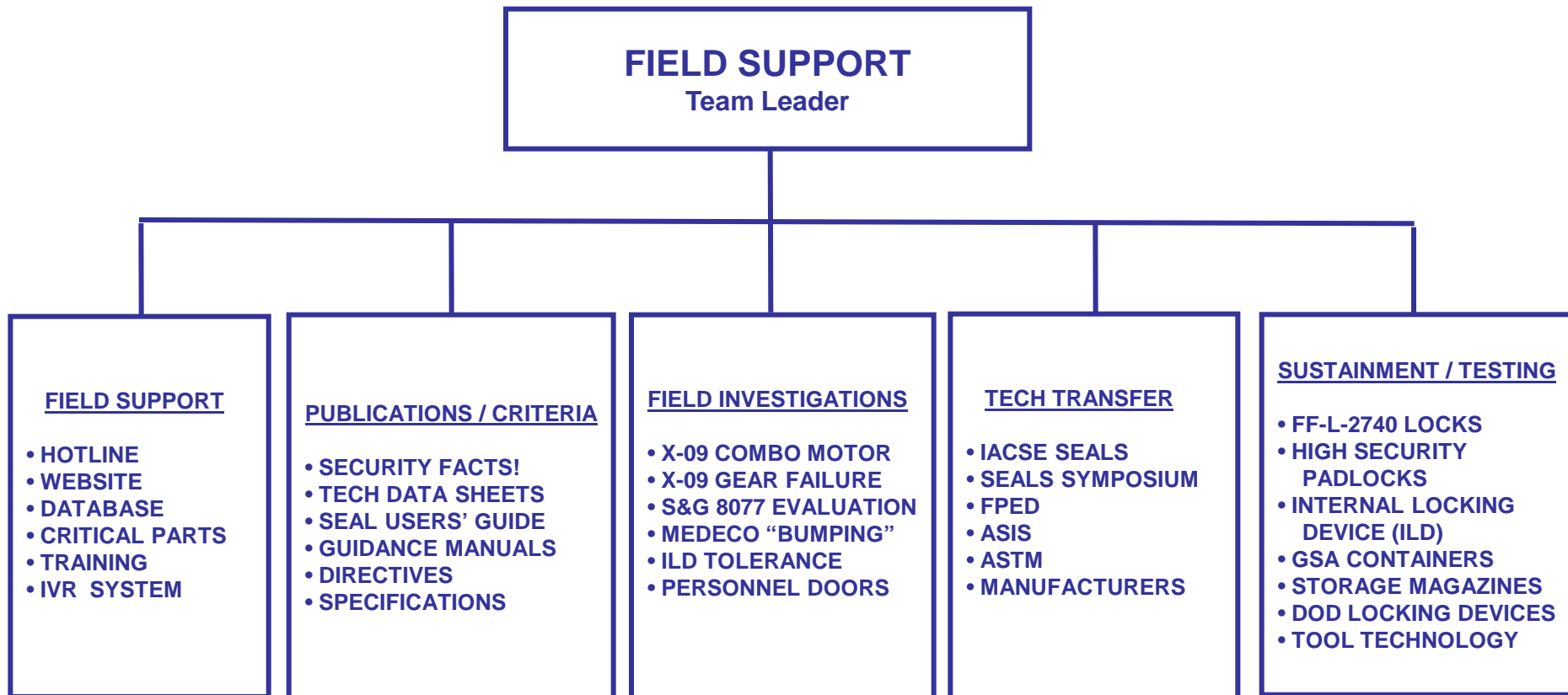
Railcar IDS:

- **Mobile IDS in Boxcars**
 - Interior Volumetric Sensor
 - Doors & Side/Roof Breach
 - Low Nuisance Alarm
 - Battery Operated
- **Wireless Communications**
 - IEEE 802.15.4
 - Low Power, Robust, Secure
- **Customs & Border Protection (CBP) and DHS S&T**
 - Inter-Modal Container Security
 - Conveyance Security Device (CSD)
 - Door Opening – Electronic Seal
 - Advanced Container Security Device (ACSD)
 - Door Plus Breach
 - Magazine/Rail Car (MaRC) Communications Module (aka MATTS)





Field Support Structure




Technical Support Hotline

[Contact](#) [Search](#) [Reports](#) [Print Labels](#) [Standard Comments](#) [Administration](#) [Exit Hotline](#)

Field Support Branch

H o t l i n e



Version 11.2.0 Date 6-15-2011

[Hotline User Guide](#)

[Call Information Form](#) [Lock Program Web Site](#) [Contact Administrator](#)

- 350+ support requests per month
- Toll-Free / DSN
- E-mail Support
- Customer Surveys
- Security Hardware Selection
- Directives & Guidance
- Parts Requests & Procurement
- Troubleshooting
- Training



DoD Lock Program Website

- 17,500+ Visitors per Month
- Technical Support
- 22,667 Downloads
- One-Stop Tool

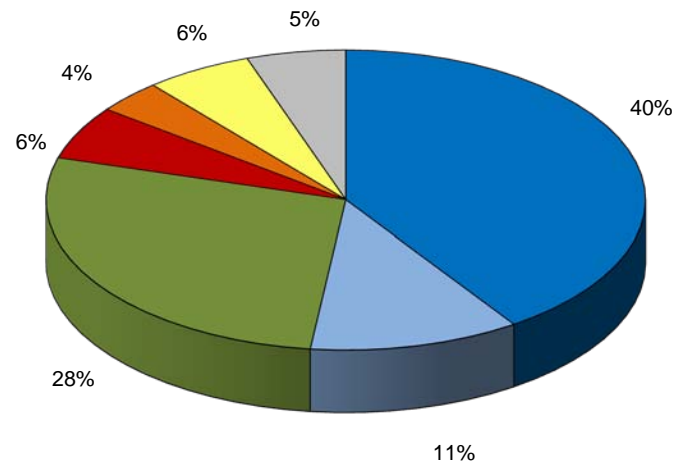


The screenshot shows the official website of the Department of Defense Lock Program. At the top, there is a NAVFAC logo (Naval Facilities Engineering Command) and a search bar. Navigation links include About Us, Document Library, Business Opportunities, Organization, Ask NAVFAC, and Seabees. The main header reads "Department of Defense Lock Program" with a sub-header "NAVFAC > NAVFAC Worldwide > Engineering Service Center > DoD Lock Program". A sidebar on the left lists various resources: Lock Program Home, Program Information, GSA Approved Security Equipment Inspection Program, Security Hardware, Documents, Training, Newsletter Index, Security Events, Links Index, FAQ, and Feedback/Other Info. The main content area features an "INTRODUCTION" section explaining the program's purpose and sponsors (CNIC, NAVFAC, PSEAG, US Army, DLA, CIA, DNI, and GSA). It also provides contact information for the Technical Support Hotline (800) 290-7607, (805) 982-1212, DSN 551-1212, and an email address: NFESCLock-TSS@navy.mil. A "Suggestions" button is located at the bottom right. A circular seal for the "LOCKS, SAFES, VAULTS, SEALS & CONTAINERS PROGRAM" is visible in the bottom left corner of the website screenshot.



Field Support Database

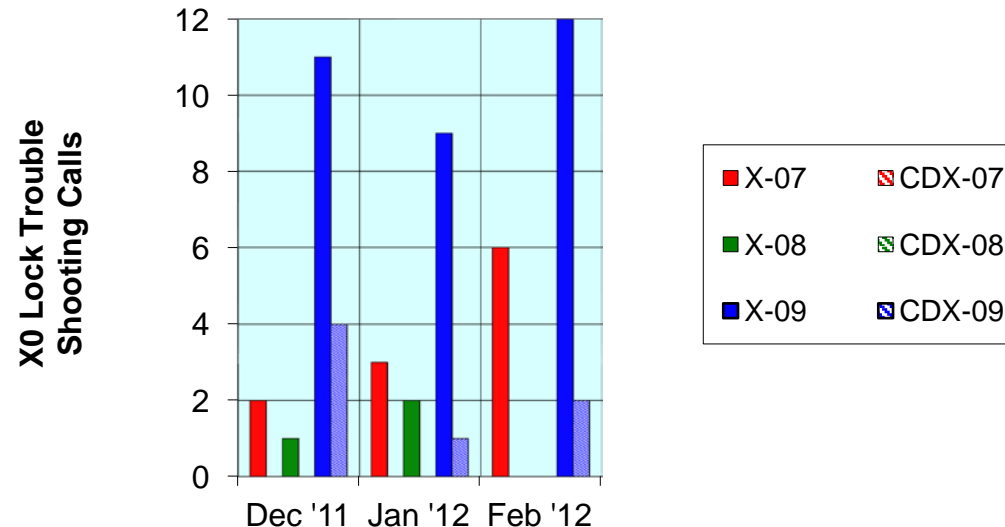
- Document Hotline Requests
- Track Open and Closed Cases
- Analyze Failure Trends
- Produce Monthly Reports



	Physical Security Equipment Procurement Support
	Security Hardware Use and Selection
	Security Directives and Guidance
	Trouble-Shooting Combination Locks
	Part Requests for X-07/8/9 and CDX-07/8/9 Locks
	Provide Technical Instruction
	Other Request Topics



Examples of Trend Analysis

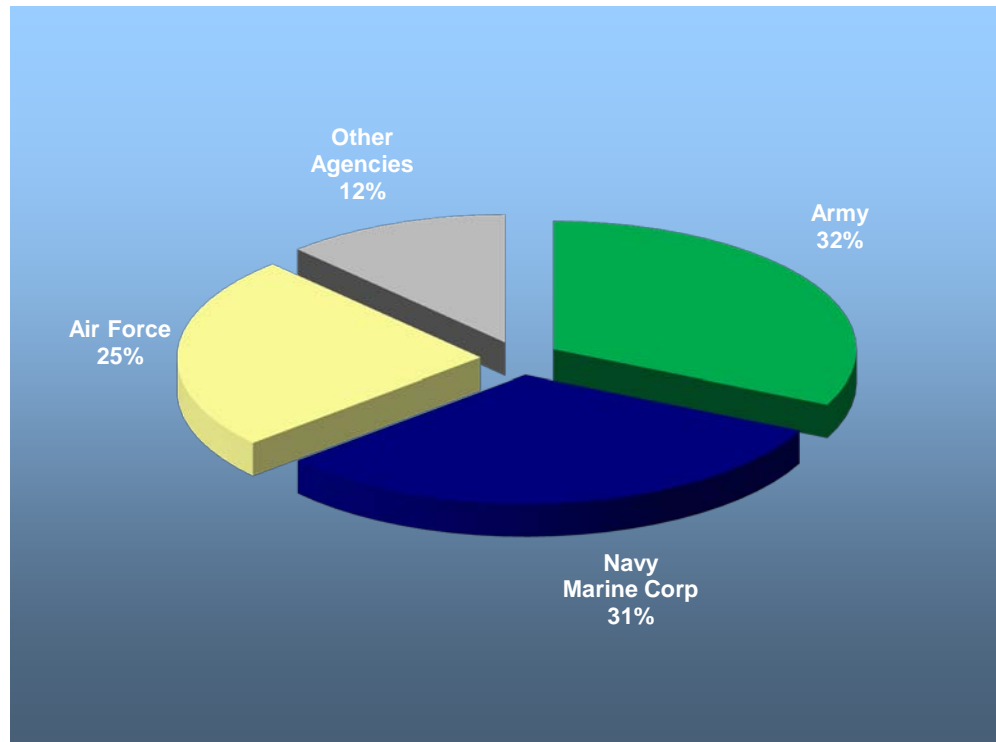


- **Problem (X-09)**
 - X-09 Failure to Open
- **Action**
 - Stopped Production
 - Investigation
- **Cause**
 - X-09 Combo Motors
 - Epoxy Not Curing Properly
- **Results**
 - Changed Epoxy
 - Changed QA Procedures

- **Problem (CDX-09)**
 - Inadvertent Opening
- **Action**
 - Immediate Site Visit
 - Investigation
- **Cause**
 - CDX-09 Combo Motor Gear
 - #1 Gear Tooth Breakage
- **Results**
 - Redesign Gear Tooth
 - Tested/Approved OCT 2006



Customer Support

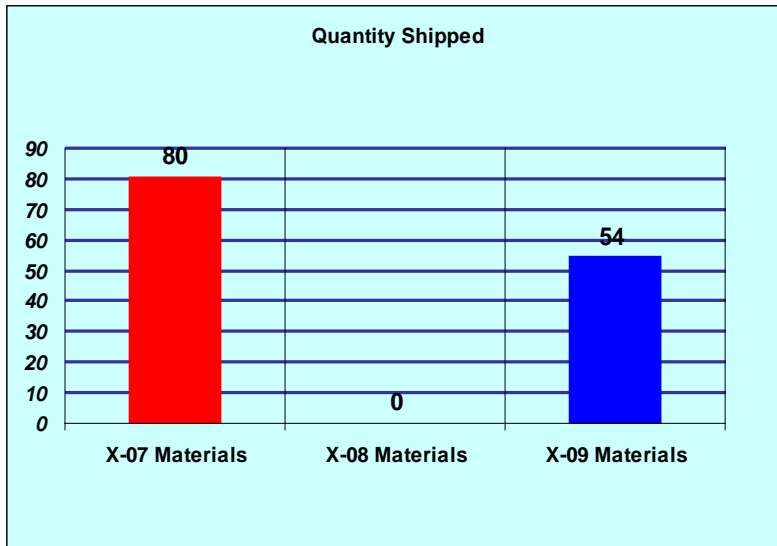


	Army
	Navy / Marine Corp
	Air Force
	Other Agencies



Equipment Parts Support

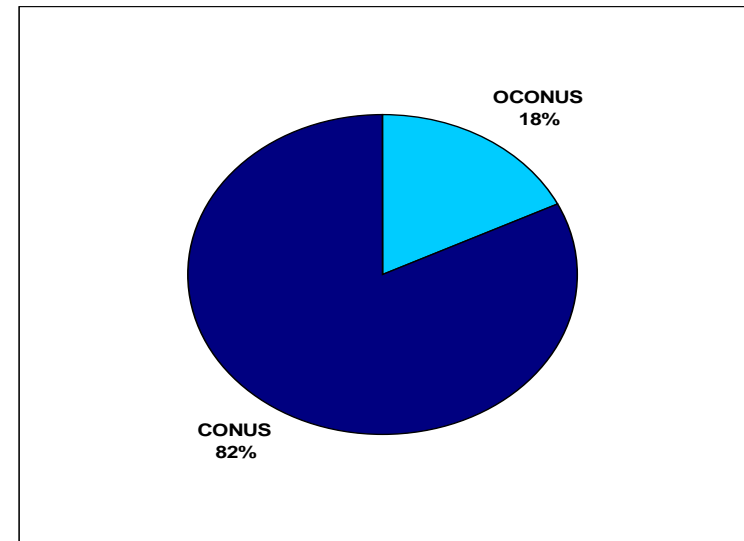
Inventory



637 Parts Shipped FYTD

- Warranty Items
- Critical Spares
- DSCP Parts Support
- Container Manufacturer Support

Areas Supported



Parts Shipped Immediately

- OCONUS Shipments
 - 1 Week
- CONUS Shipments
 - 1-2 Day Delivery Time

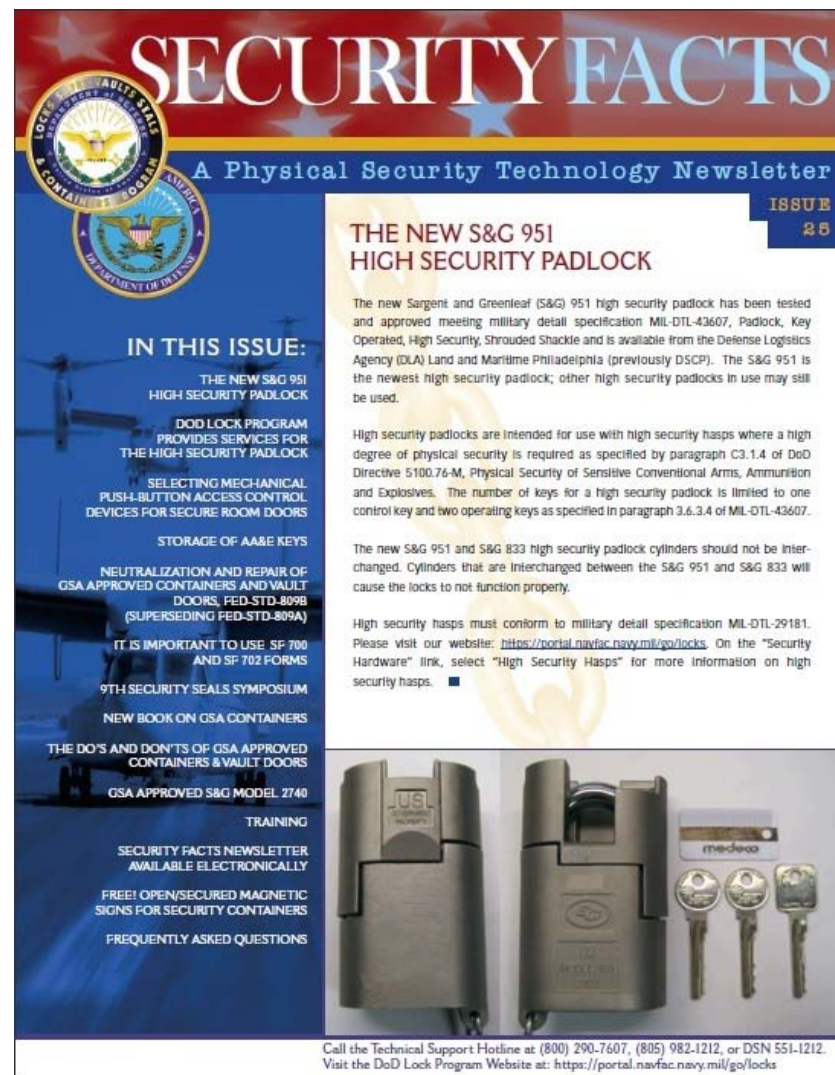


Field Support Training

- DoD Lock Program Overview
 - FF-L-2740 Lock Retrofit Program
 - Technical Information
 - Administration
 - Procurement
 - Container Opening and Repairing
 - Installation, Operation, and Troubleshooting
 - Kaba Mas X-07
 - Kaba Mas X-08
 - Kaba Mas X-09
 - S&G Model 2740
- 
- On-Site Training
 - CONUS Training
 - OCONUS (Asia, Europe, Hawaii)

“Security Facts” Newsletter

- Quarterly Publication
- Developed by FSB
- 18,000+ Subscriptions
- Articles Include:
 - Government Directives
 - Manufacturer Products
 - Equipment Trouble-Shooting
 - Security Industry Conferences
 - Critical Issues
 - Current Events





**Naval Facilities Engineering Service Center
Port Hueneme, California 93043-4370**

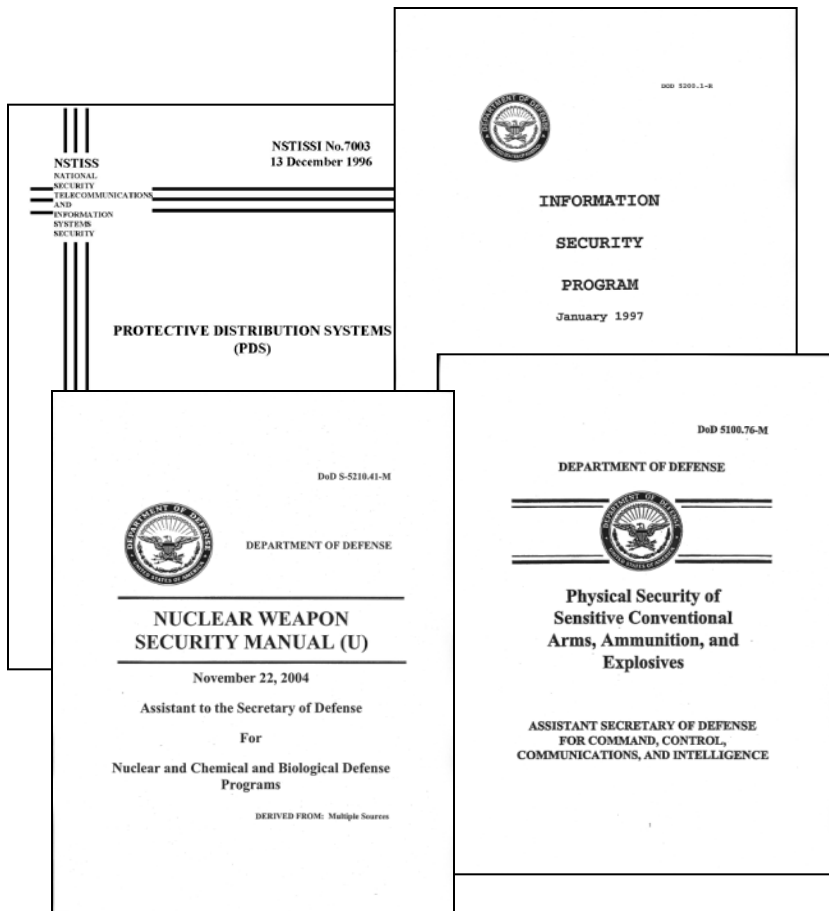
December 2006

DESCRIPTION

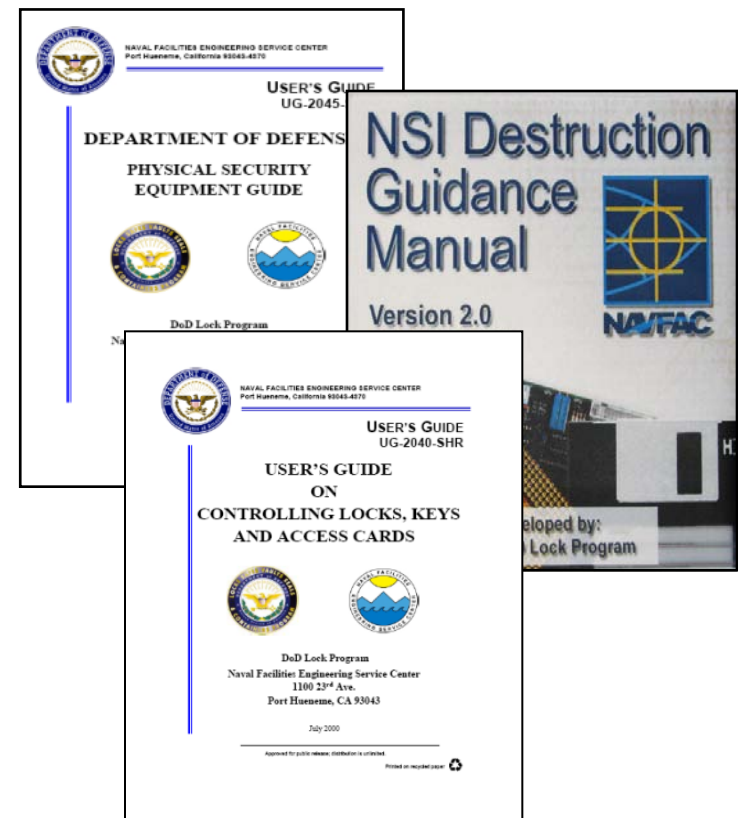
 Printed on recycled paper

Guidance Documents

Directives / Specifications



User Guide Updates





Field Investigations

- **X-09 Combo Motor Failures**
- **X-09 Gear Failures**
- **Medeco “Bumping” Evaluation**
- **S&G 8077 Vulnerability Assessment**
- **ILD Tolerance Study**
- **Personnel Doors**



Technology Transfer: InterAgency Committee for Security Equipment

- Charter
- Process
 - Identify requirements for security equipment
 - Develop and maintain Federal performance specifications
 - Identify training requirements for service technicians
 - Review and approve commercial training curriculums
 - Identify and address failures in GSA approved equipment
 - Communicate / interact directly with manufacturers and training organizations (Off-site)
- DoD Lock Program Involvement
 - Chairman IACSE SEALS Subcommittee
 - Team Participation at meeting and on working groups
- Interagency Interaction
 - Benefits / Access
- Influence



Technology Transfer (cont.)

- **Seals Symposiums**
- **Forced Protection Equipment Demonstration (FPED)**
- **American Society for Industrial Security (ASIS)**
- **ASTM International**
- **International Cargo Security Counsel (ICSC)**
- **Manufacturers Site Visits**
- **Working Groups (NSA, CIA, etc.)**

Security Community Presence





Sustainment Efforts

FF-L-2740 Combination Locks



Internal Locking Device



GSA Approved Containers



Other Locking Devices and Systems





Testing & Evaluation

- The premier Testing Facility
- Test security equipment (locks, safes, vaults, & vault doors) submitted to the General Services Administration (GSA), by commercial vendors, for validation against published Federal specifications.
- All GSA approved security equipment is tested and approved through this program.





Testing & Evaluation

- Conduct regular / reoccurring quality assurance (QA) testing of all GSA approved equipment.
- Maintain drawings, specification, and library samples of all GSA approved equipment.
- Respond to all reported operational / security deficiencies in GSA approved equipment.





Security Seals Testing Laboratory

Background

Over 200 security seals were available from DLA at the start of this project, however, none were tested by DoD to a federal specification. Selection was based upon performance testing completed by the manufacturers, or by testing laboratories selected and supported by user agencies on a case by case basis. Federal Specification FF-S-2738 was revised 30 March 1999 to require governmental testing. The Defense Transportation Regulation 4500.9-R Part II Cargo Movement requires that seals used on conveyances transporting AA&E be tested and approved by the DoD Lock Program. The Physical Security Equipment Action Group (PSEAG) has provided funding to establish a Security Seals Testing Laboratory within the DoD Lock Program.

Accomplishments to Date

- Purchased Test Equipment
 - Tensile Test Machine
 - Cold Box
- Fabricated Test Equipment
 - Various Fixture
 - Impact tester



Testing & Evaluation

- Participate on the IACSE Subcommittee.
- Provide Test support to other government agencies:
 - Services
 - Army
 - Navy
 - Air Force
 - Marine Corps
 - State Department
 - FBI
 - CIA
 - Homeland Security
 - DLA





Customer Feedback

- “This program is without question the anchor of security for thousands of security managers.” ... Joint Cruise Missile Defense
- “The services that are provided through the FSP/DoD Newsletter, Web site, and technical publications is beyond reproach. If they can not solve the problem, they certainly have the resources to plug you into other avenues to solve the problem. This service is invaluable to the normal customer.”... NAS Patuxent River
- “Everything was handled extremely quickly and I received the requested items in less than two business days. Your team is doing a great job helping the "war fighters". Again a Bravo-Zulu to all.” SPAWARSYSCEN