

# Interagency Advisory Board

*Meeting Agenda, Wednesday, July 27, 2011*

1. **Opening Remarks** (*Mr. Tim Baldrige, IAB Chair*)
2. **A TWIC Program Status and Update** (*John Schwartz, TSA*)
3. **CAC/PKI Logon to Warriorgateway.org** (*Devin Holmes, Warrior Gateway*)
4. **A Federal Security Professional PACS Perspective since the Signing of HSPD 12** (*Ron Martin, HHS*)
5. **Closing Remarks** (*Mr. Tim Baldrige, IAB Chair*)



# Transportation Security Administration

## Transportation Worker Identification Credential (TWIC<sup>®</sup>) Update

Interagency Advisory Board

July 27, 2011

# TWIC<sup>®</sup> Program Overview

- Provide a credential to all eligible transportation workers requiring unescorted access to secure areas in the Nation's ports and Maritime Transportation Security Act (MTSA) regulated vessels, facilities, and Outer Continental Shelf facilities.
- Provide MTSA regulated facilities access to a list of all revoked cards to prevent the possible use of lost, stolen, or other revoked cards for access.
- Protect individuals' privacy
- Joint TSA/USCG Program
  - TSA – Enrollment, Vetting, Issuance
  - USCG – Compliance & Enforcement, Access Control Requirements, Merchant Mariner data integration
  - Interagency agreements with USCIS and FBI
- Comprehensive security threat assessment (terrorism, criminal, immigration)
- Fully fee-funded – user fees must cover all operating costs
  - \$132.50 for standard TWIC
  - \$105.25 with comparable STA
  - \$60 replacement
- Common biometric credential used at 3,000+ facilities and 14,000+ vessels; local owners/operators control access



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# Latest Program Statistics

Item	Number (as of July 22, 2011)
<b>Enrollments</b>	<b>1,926,000</b>
Cards Activated	1,790,000
<b>Total Applicants Denied (2%)</b>	<b>38,277</b>

**Weekly TWIC  
Dashboard Available  
at [www.tsa.gov/twic](http://www.tsa.gov/twic)**

**135 TWIC Enrollment  
Centers Throughout  
U.S. and Territories**



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# TWIC<sup>®</sup> Reader Pilot Background

- Required by SAFE Port Act of 2006
- To provide foundation for TWIC “reader rule”
- To ensure readers and cards function to requirements of the TWIC reader specification
- Pilot Requirements as per SAFE Port Act:
  - Evaluate technical performance of TWIC card / biometric reader function
  - Evaluate operational and business process impact of conducting biometric verification of identity in various maritime facility and vessel operating scenarios
  - Conduct pilot in “...no fewer than five distinct geographic locations ... to include vessels and facilities in a variety of environmental settings.”



# TWIC® Pilot Sites



- ★ Major Test Site—with Multiple Facilities
- Single Facility Test Site



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# Test Plan – Three Phase Approach

- Initial Technical Testing (ITT): **Reader Bench Testing**
  - Determines if industry-developed biometric card readers meet TWIC card-reader specifications
  - Includes technical and environmental laboratory testing
- Early Operational Assessment (EOA): **First Field Test Phase**
  - Provides learning curve for reader operators and users
  - Evaluates the technical performance of TWIC readers at test sites
- System Test & Evaluation (ST&E): **Second Field Test Phase**
  - Evaluates the operational and business impacts of using readers
  - Includes an assessment of reader effectiveness, suitability, and supportability



# Pilot Status

## ITT (Bench Test) Phase: **Complete**

- Initial Capability Evaluation (ICE)
  - Approved 29 readers / reader systems, including 2 alternate biometric systems
  - Vendors may continue to submit readers for evaluation and inclusion on the ICE list
- Functional Specification Conformance Test
  - Tested 8 readers (5 portable, 3 fixed)
  - Evaluated the ability of vendors to develop readers that functionally read TWICs and respond in accordance with the TWIC specification
- Environmental Specification Conformance Test
  - NAVAIR Patuxent River tested 5 readers (2 portable, 3 fixed)
  - Evaluated the ability of vendors to develop readers that withstand the operational conditions anticipated at maritime facilities
- Qualified Technology List
  - Working with NIST to develop procedures for independent laboratory specification testing of TWIC readers
  - When operational will replace ICE testing (above)



# Pilot Status

## Field Test Phases: **Complete**

- DHS will submit final pilot report to Congress as per SAFE Port Act
  - Final report is under review; anticipate delivery later this summer
  - Final report will be narrative with summary data; non-SSI
  - Detailed data contained in supporting reports which are SSI or contain business-sensitive information
- Field Test Challenges / Results:
  - Good system planning / design = good system performance
  - Where system operators were knowledgeable of their systems and workers understood how to use their cards biometric identity verification could be accomplished with minimal negative impact on business operations
  - The opinions of facility and vessel operators regarding reader use varied widely—from highly satisfied to highly dissatisfied; from saves money to costly to install and operate.
  - The registration of large populations of workers into facility physical access control systems (PACS) is difficult for facilities with highly migrant worker populations
    - Problem for those with many truckers and longshoremen
    - Also, problem for truckers and longshoremen who must have access to multiple, independent facilities



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# Reader Requirement Rulemaking

## Notice of Proposed Rulemaking (NPRM):

- NPRM under development by Coast Guard based on:
  - Comments from the Advanced NPRM published 27 March 2009
  - Initial Technical Testing & Preliminary pilot data
  - Anticipate publishing NPRM late 2011

## Final Rule:

- Anticipated promulgating late 2012
- Will incorporate comments received in response to NPRM



# TWIC<sup>®</sup> Issues

- Difficulty of providing enrollment and card activation services to remote locations
  - PIV procedures requiring separate in-person enrollment and activation visits to centers remains significant issue for stakeholders
  - Congressional interest in delivering cards to applicant's residences remains extremely high
  
- Durability of TWIC—card ICC and/or antenna failures
  - Established IPT to look into failed card issue
  - Arranged for forensic examination of failed cards and card stock testing
  - Difficult to determine if card or reader / PACS is the problem without on site presence by TWIC team members with card analysis tools
  
- Migration from 72K card to 144K card
  - Required system changes made; transitioned to new card early July
  - New card stock emulates 72K ICC; minor technical changes



# TWIC<sup>®</sup> Issues

## Recently released Technical Advisory of interest to reader vendors

**NOTE:** This Technical Advisory describes a card platform update which may impact your product.

### **TWIC<sup>®</sup> Technical Advisory** TA-2011-TWIC002-V1.0

#### **RELEASE OF NEW TWIC CARD AND CARD APPLICATIONS**

- Migrated from NIST 800-73-1 to NIST 800-73-2
  - New readers configured IAW the advisory will read old and new cards; new cards may not be read by previously configured readers
- Migration of current single-provider contract to separate enrollment services and Identity Management System contracts in 2012



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# TWIC<sup>®</sup> Issues

- GAO Internal Control Weaknesses Audit
  - Wide-ranging audit covering enrollment, vetting, card security, and access to secure area issues
  - Investigators were successful, in some attempts, gaining access to secure areas using counterfeit TWICs
    - Emphasizes the importance of using readers vs. relying on visual inspection of credentials
- TWIC as a “pathfinder”
  - Pilot was first major attempt to use PIV-based credential for routine, repeated, biometric verification of identity for physical access control
  - TWIC reader specification enabled use of contactless readers for biometric identity verification—the specification remains unique among PIV-based credentials
  - TWIC program continues to seek information on the experience of others using PIV + Biometric for physical access control



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