

Transportation Worker Identification Credential (TWIC)

Program Briefing



Transportation
Security
Administration

TWIC Program

Vision

Improve security by establishing a system-wide common credential, used across all transportation modes, for all personnel requiring unescorted physical and/or logical access to secure areas of the transportation system.

Goals

- Improve security
- Enhance commerce
- Protect personal privacy



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Threat

Terrorists May Gain Access to Secure Areas of the Transportation System by Compromising Current Identity Management and Access Control Systems

- **Potential Methods Employed**

- Falsifying identity to obtain valid credential
- Obtaining valid credential without a background check
- Stealing, or otherwise obtaining, a valid credential that allows access without secondary protection (i.e., biometric)
- Tampering with, or creating a counterfeit credential
- Using a properly issued credential subsequent to being identified as a terrorist threat



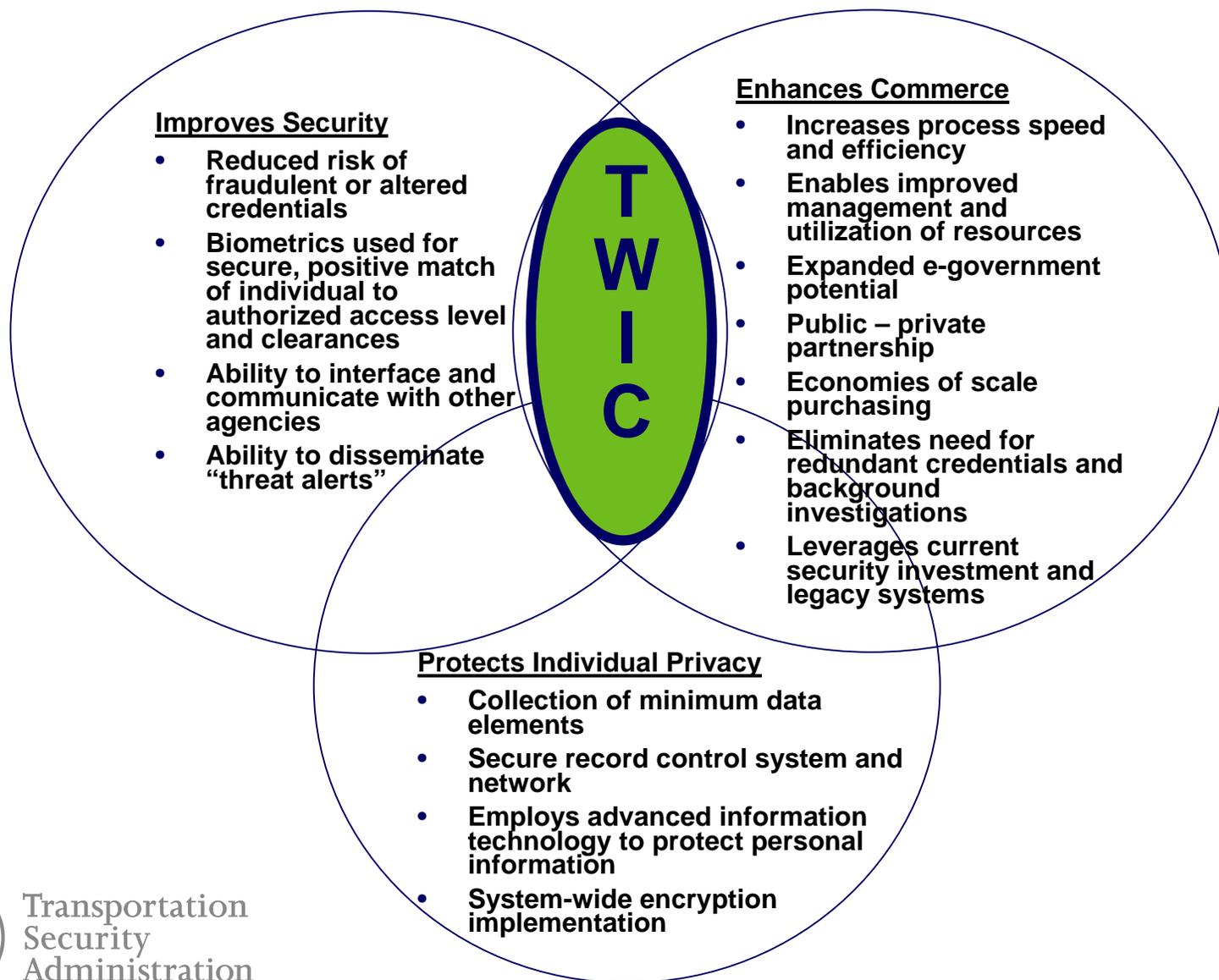
Scope of TWIC

The TWIC is designed to be a tool to be used for identity authentication.

- **Possession of a valid TWIC allows the holder access into areas to which they are granted privileges.**
 - Only facilities grant access. Facilities have complete control over who is granted access to secure areas and what level of access is granted.
- **The TWIC program allows individual facilities to control access to the areas they define as “secure” and will allow individual facilities to specify additional access requirements.**
- **The TWIC program will provide a revocation alert to facilities for holders who should no longer be granted access to secure areas.**



TWIC Program Benefits



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Stakeholder Engagement

Actively engaged with Key Stakeholders at federal, national, regional and local levels

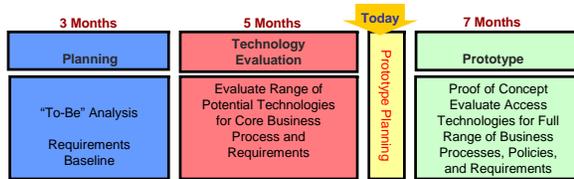
- 800+ National level transportation-related stakeholder organizations
- Active participants on international and federal standards organizations
- Three regional TWIC-based organizations tested different organizational models during pilot phases
- TWIC field teams engaged at 40+ local facilities
 - Airports, Seaports, Rail, Truck, Pipeline and Transit

TWIC message resonates with our Stakeholders

- TWIC's key goals of improved security, enhanced commerce and protection of privacy **were derived** from stakeholder input
- TWIC architectural model approaches security and cost from the national perspective
- Accelerating support from diverse stakeholder groups to participate in TWIC prototypes and implementation
- Strong desire to accelerate TWIC implementation to help local facility and transportation modes avoid duplicative costs for security improvements



Technology Evaluation Accomplishments



- **Tested five card-based technologies at 12 transportation facilities in two regions:**

Integrated Circuit Chip	2-D Barcode	Magnetic Stripe
Optical Memory Stripe	Linear Bar Code	
- **Issued cards to a broad range of transportation workers:**

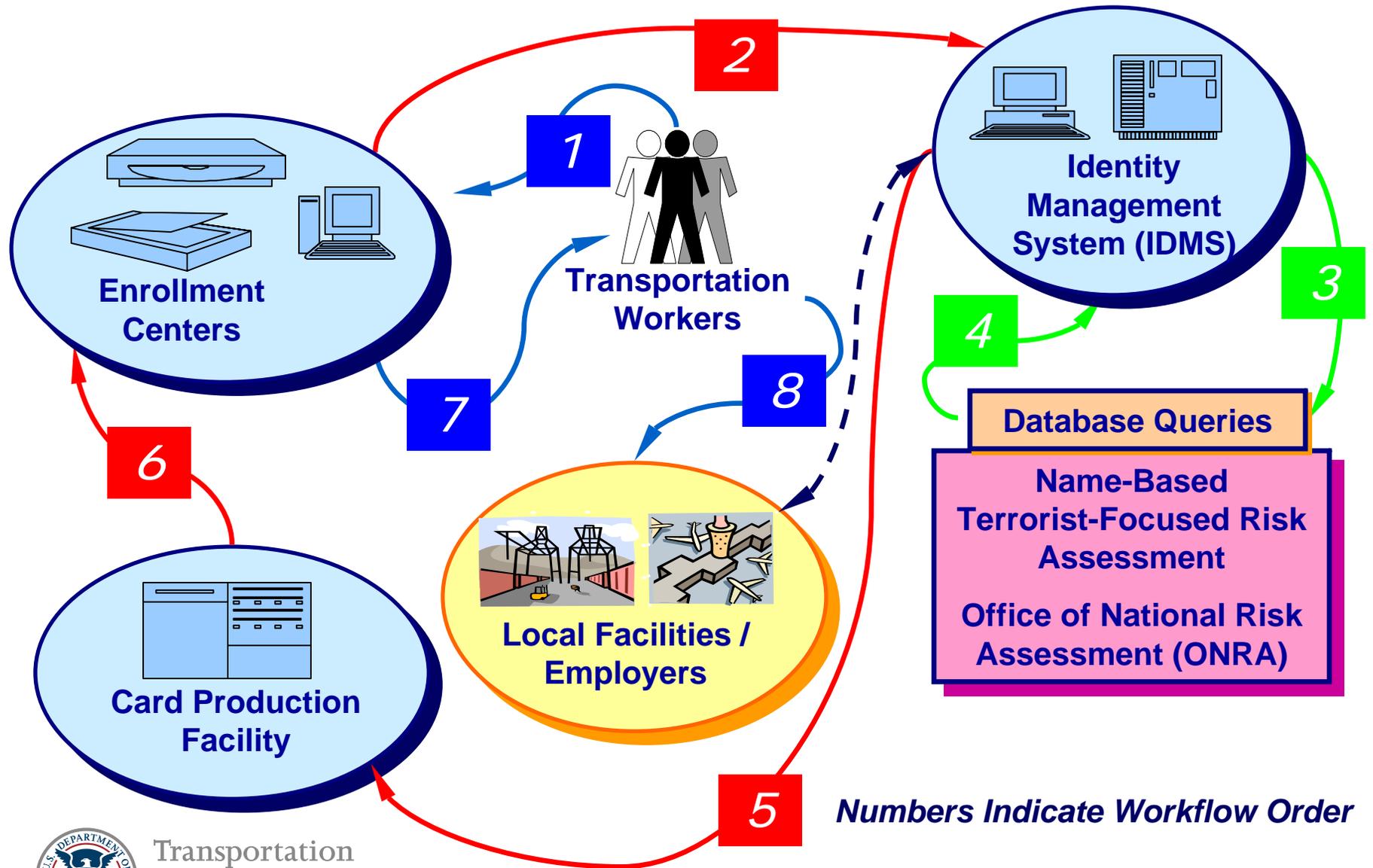
Union workers (ILWU, AFL-CIO, etc.)	Independent truck drivers	Crane operators
Non-union workers, managers, owners	Security guards	Pipeline workers
Airline mechanics	Railroad employees	Tug boat crews
- **Evaluated each technology in a variety of physical and logical access transactions:**

Vehicle gates	Staffed guard stations	IT system sign-on
Truck multi-lanes	Unattended building entrances	Internal building doors
Unattended gates	High volume pedestrian turnstile	Parking garage exit points
- **Evaluated central card production feasibility:**

Produced the final increment of cards for the West Coast region at the DHS facility in Corbin KY
- **Operated enrollment centers, local issuance, help desk, and card management systems.**



Workflow and Infrastructure Overview



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Potential Prototype Participants and Processes

<p>Purpose: Broaden evaluation using multiple technologies over the full range of business processes and requirements.</p> <ul style="list-style-type: none"> East Coast Sites West Coast Sites Florida Seaports 	Maritime									HQ			Pipeline	Air	Rail	Other			
	Port of Wilmington, DE	Packer Avenue Terminal, PA	Penns Terminal, PA	Beckett Street Terminal, NJ	APL Terminal, CA	Maersk Terminal, CA	LBCT Terminal, CA	Crowley Marine, CA	14 Florida Sea Ports	Delaware River & Bay Maritime Exch, PA	Port HQ Long Beach, CA	Port HQ Los Angeles, CA	BP Refinery, CA	Conoco Phillips Oil Refinery, PA	PHL Airport, PA	LAX Airport, CA	Union Pacific Rail ITCF, CA	Customs House, PA	ILWU Union Hall, CA
TWIC Multi-Application / Multi-Technology Solution	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Contactless	X								X	X	X			X					
Biometrics	X			X				X	X	X	X				X	X			

Subject to Change



Prototype Goals

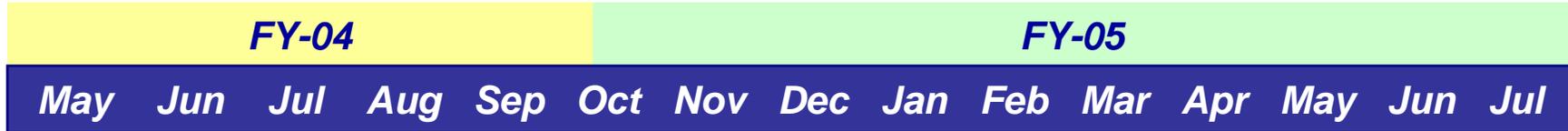
- **Assess performance of conceptual TWIC identity management business processes and determination of implementation strategy**
 - Verifying Claimed Identity
 - Capturing Biometric Information
 - Conducting Terrorist Threat Assessment
 - Integrating Assessment Results with Issuance System
 - Producing in Volume High Quality, Tamper Resistant Cards
 - Confirming Operation of Database Infrastructures
 - Conducting Initial Testing of Contactless Card
 - Providing for Multiple Issuance Activities

- **Assess performance of TWIC as an access control tool**
 - Using Selected Credential Technologies with Biometric as Access Control Tool
 - Confirming Operation of Facility / TWIC Interfaces
 - Confirming “hot list” and Revocation Capability

- **Ensure readiness of TWIC system for implementation phase**
 - Using a comprehensive Prototype evaluation plan including a detailed cost benefit analysis
 - Evaluate Federal Role vs State/Private Industry Role



Prototype Timeline



▲ Release RFP

▣ Operational Capabilities Demonstration

▲ Award Contract

▲ Critical Design Review

▲ Begin Prototype Field Operations

▣ Conduct Prototype Field Operations

▲ Receive Preliminary Prototype Report

▣ TSA/DHS TWIC Implementation Decision Period (As Required)

▲ Receive Final Prototype Report



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