



## Transportation Security Administration

# TWIC Pilot Test Update for the NIST QPL Workshop

Gaithersburg, Maryland  
April 21, 2010

## Purpose of the Pilot

- Provide foundation for TWIC “reader rule” as required by the SAFE Port Act of 2006
  - 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
- Ensure reader/card technology functions to expectations and the TWIC reader working specification



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# Pilot Test Organizations & Roles

## Private Sector:

- Port Authorities; Facility and Vessel Operators—Use grant funds to plan for, acquire, and install TWIC readers and infrastructure

## Government:

- DHS Screening Coordination Office and Science & Technology Office—Oversight
- TSA—Manage Pilot Test Program
- Coast Guard—Specify Various Test Scenarios
- SPAWAR (Naval Space & Warfare Center) Charleston, SC—Serve as the Independent Test Agent



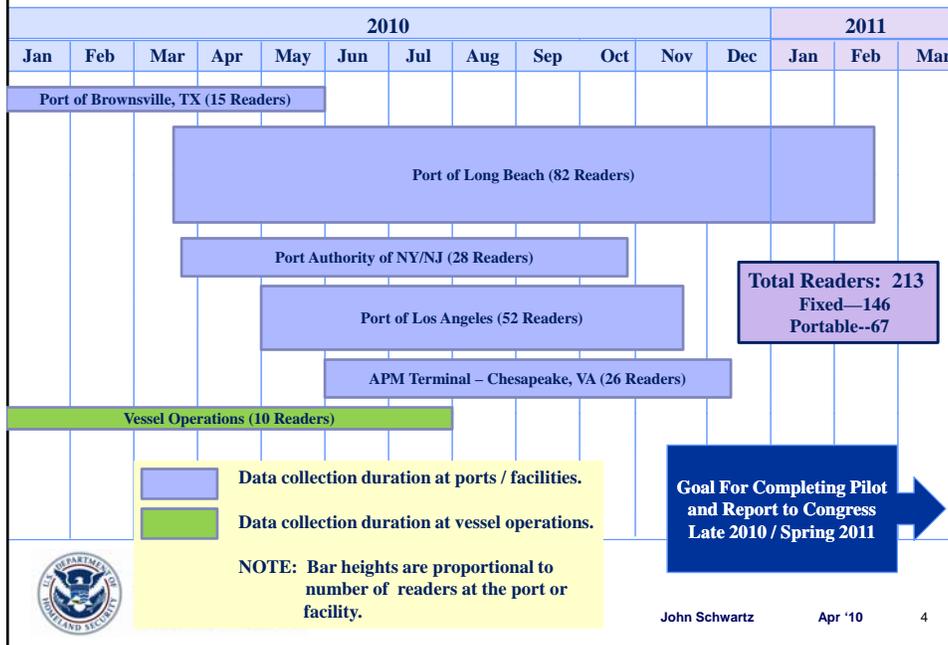
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# Current Pilot Timeline



## Early Observations / Issues from EOA

### Readers:

- Integrating readers with PACSs proving more difficult than installers anticipated.
- Non-standard messaging on display screens
- Non-standard information processing
  - i.e. different sequences for: authenticating card; checking if registered in PACS; hotlist check; etc.
- Difficulty reading display outdoors (sunlight; angle of display; size of text)



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## Early Observations / Issues from EOA (Cont.)

### Readers (Continued):

- Range of contactless read
- General installation non-TWIC issues:
  - Electrical power fluctuations
  - Physical reader placements—too high / low / far from worker
  - Turnstile and gate mechanisms

### PACS:

- Integrating facility operator requirements with PACS
  - SeaLink; LA Clean Truck requirements; etc.
- Varying processing speeds access system: reader / PACS / gate and turnstile operation or signal



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## Early Observations / Issues from EOA

### PACS (Continued):

- Using PINs to register workers in the PACS
- Reader not certified with PACS vendor and/or system integrator

### Cards / Workers:

- Unfamiliarity with use of TWIC with readers; used to legacy system characteristics
- Non-functioning cards—failed chips and/or antennas
- Damaged cards due to mistreatment
- Using hotlisted cards (example: found and resumed using card reported as lost)



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