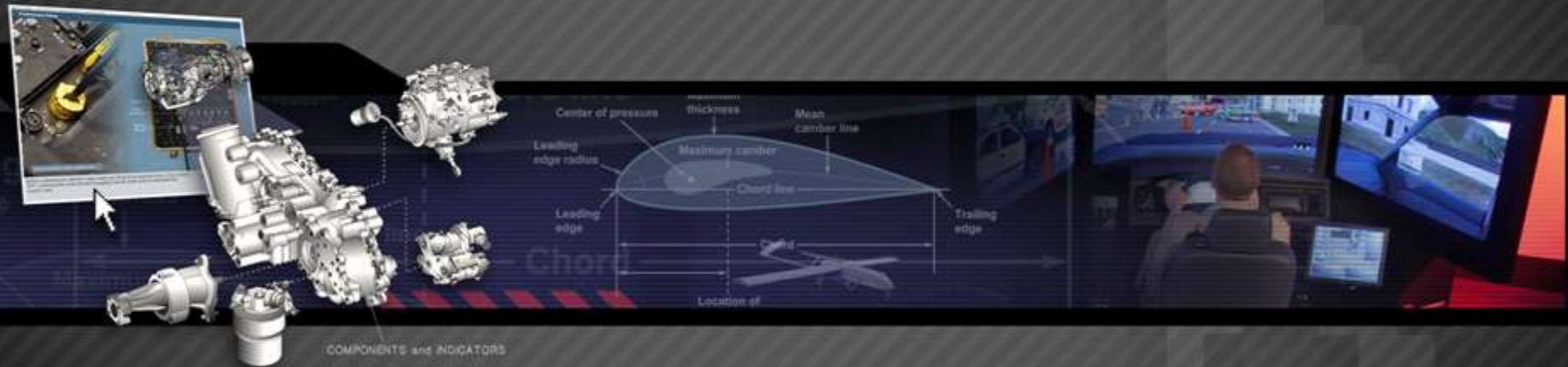


TWIC Access Control Implementation

Issues and Challenges



AAPA Port Security Seminar

July 20, 2011



Port Security Systems

Project Management 101



How the customer explained it



How the Analyst designed it



How the Business Consultant described it



What the customer really needed

TWIC – is it a Card or System

- What is TWIC?
 - Transportation Worker Identification Credential – biometric smart card that ensures only vetted workers are granted access to secure areas.
- Are TWIC's useful without a TWIC compatible Physical Access Control System?
 - Absolutely, as a “Flash ID” of a vetted Transportation worker in accordance with 33 CFR §101.514.
- TSA implemented TWIC – good, bad or otherwise.
- Individual Ports are responsible for designing and implementing a TWIC compatible Physical Access Control System (PACS).

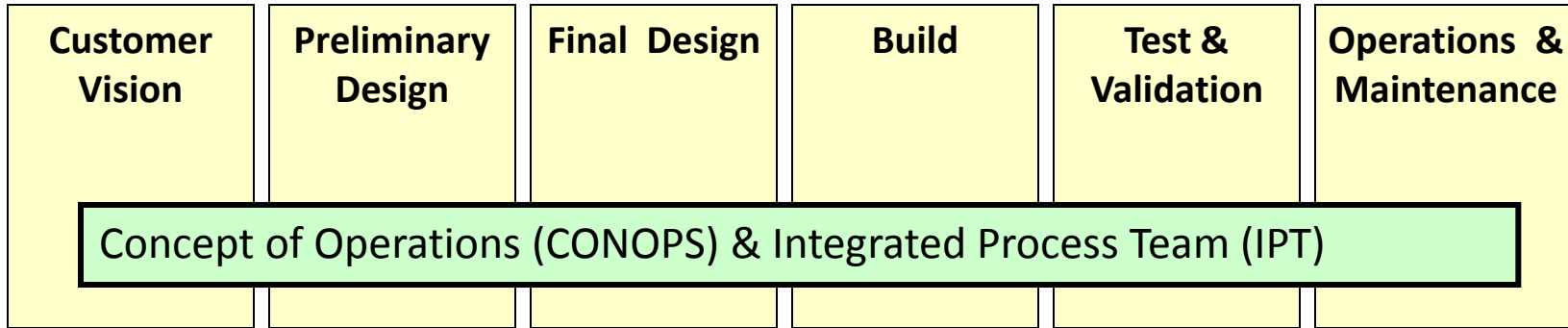
TWIC Access Control Systems

- Are Ports required to wait until the TWIC pilots are completed to design and implement an PACS?
 - No – Policy Advisory Council 01-11 specifically facilitates the voluntary use of TWIC readers for the implementation of grants “whose funding will expire if it is not expended before 2012”.
- Is the TSA list of TWIC readers that have passed the Initial Capability Evaluation (ICE) test finalized?
 - Absolutely not, and it or some facsimile of it will likely never be final. Readers and reader software will come and go as technology evolves.
- Will Access Control hardware and software manufacturers guarantee TWIC compliance?

Designing a PACS

- Define and Understand the operational requirements for the TWIC PACS
 - Write (if necessary), verify and validate the Access Control Concept of Operations (CONOPS) for each entry point.
 - Is the TWIC valid, authentic, and presented by the person whom it was issued?
 - If yes to the above, is the transportation worker's requested access to the specific terminal/facility approved? Requires pre-enrollment in the Port specific Access Control System.
 - If yes, to all of above, then electronic access can be granted. If Transportation worker is not pre-enrolled in Port specific Access Control System, manual access can be granted on case-by-case basis if allowed in Port Security Plan.
 - PACS should have the ability to generate list of all granted accesses and egresses (if known) at all times.

Vision to Operations Approach



Conceptual	X	X	X			
Engineering			X	X	X	X
Test & Eval			X	X	X	X
Training				X	X	X
Lifecycle					X	X

- All six phases of our systems design/implementation approach relies on an in-depth understanding of the CONOPS and the use of Integrated Process Teams

TWIC PACS Challenges

- Fixed or Portable readers, or both?
- If both, how do they confirm entry request against canceled card list?
- How does the TWIC PACS handle visitors?
- If portable readers are used for both entry request and spot checks, does SW support both operations?
- Can a portable reader be used to log egress?
- If both fixed and portable readers are deployed, how does the PACS generate a list of who was granted access and when?



Thank You!

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