Port Access
Issues and Challenges

Presented to:
AAPA Port Security Seminar
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Port Access
Issues and Challenges

➢ Port of Virginia
➢ Port Credentials
➢ Access Control at the Portsmouth Marine Terminal
➢ Implementation Challenges
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The Port of Virginia
Jamestown 1607

- **Godspeed**
  - Length = 68’

- **Susan Constant**
  - Length = 116’

- **Discovery**
  - Length = 49’ 6”
  - 20 tons (1 TEU)

- **Xin Los Angeles**
  - Length = 1,105’
  - Width = 150’
  - 9,600 TEU Ship
First Ship Sails from Jamestown with Export Cargo
- Year is 1607
- No Dredging Required
- No Highway Required
- No Railroad Required
- Small Landside Facilities Required (Wooden Pier)

Low Financial Investment

By 1630 Tobacco Exports to Europe
- 1,500,000 lbs = 750 tons = 50 TEUs!
Location of VPA Terminals
The Port of Virginia

- In the Year 2005, VPA Handled 1.98 Million TEUs of Containerized Cargo
- VPA is Currently Ranked:
  - 7th Largest Container Port in the U.S.
  - 2nd Largest Container Port on the East Coast in Terms of General Tonnage

One of Only 14 Strategic Ports in the U.S.
The 1.98 Million TEUs Exported/Imported From the Port of Virginia in 2005 Were Transported to Inland Markets Using:

- Barges (10% of TEUs)
- Rail (26% of TEUs)
- Trucks (64% of TEUs)
VPA Police Department

- 80 Sworn Officers, Armed And Certified Through DCJS

- Assigned To All Gates For Access Control And Patrol The Marine Terminals 24/7
Interoperability Communications
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Access Controls – Credentialing
VPA Credentialing

VPA Requirements:

- Company Must be Certified by VPA/VIT
- Employee Must be Certified by Company
- Employee Must Have Valid Government Issued Photo Identification *

*Note: Only requirement under 33CFR105
Transportation Worker Identification Credential (TWIC)

Prototype Credential

- Contactless Chip
- Magnetic stripe with FASC-N*
  - *Federal Agency Smart Credential Number
- Integrated Circuit Chip (ICC)
- Linear 1D Barcode
- PDF-417 with Name, GUID*
  - *Global Unique ID number

The Virginia Port Authority
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PMT E-Gates
PMT E-Gates

1. Incoming Trucks Enter Designated Inbound Lanes and Stop at Pedestals for Officer Verification
PMT E-Gates

2. Officers Compare Live Video to the Image Stored in the VPA ID Database.
PMT E-Gates
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Challenges

- Implementation Costs
- Contactless Reader
- Database “Exchange”
- System Reliability