



# Mobile Validation Solutions

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# Who has requirements?

- **Maritime Safety Transportation Act**
  - Ports / MTSA Facilities
  - Vehicle check points on land and water
- **Physical Access Control (PACS)**
  - Extending to “unconnected” locations
  - PIV Credentials in leased facilities
- **Emergency Response Officials (EROs); Federal and State**
  - Ability to read and validate other standard card types and assigned attributes
    - FIPS 201/PIV
    - DoD CAC (carried by USCG & National Guard)
    - First Responder Authentication Credential (FRAC)  
PIV and PIV-I



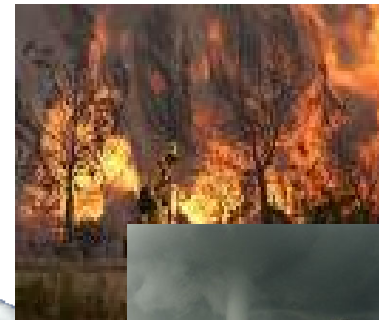
# Why do we need mobile validation ?

Can I trust this person is who they claim to be?

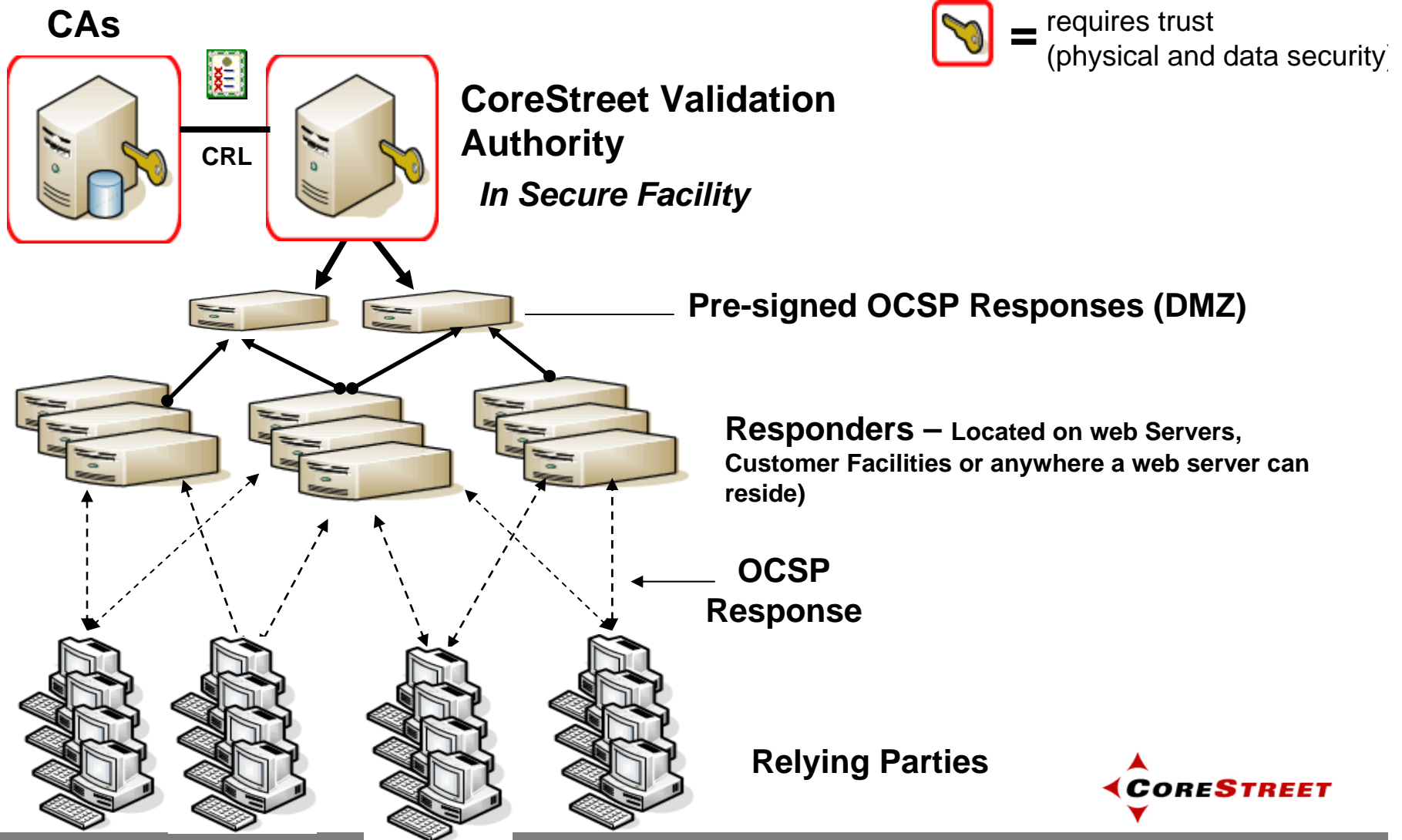
Are they qualified to be here at this moment?

Is the information they are presenting to me from a trusted source?

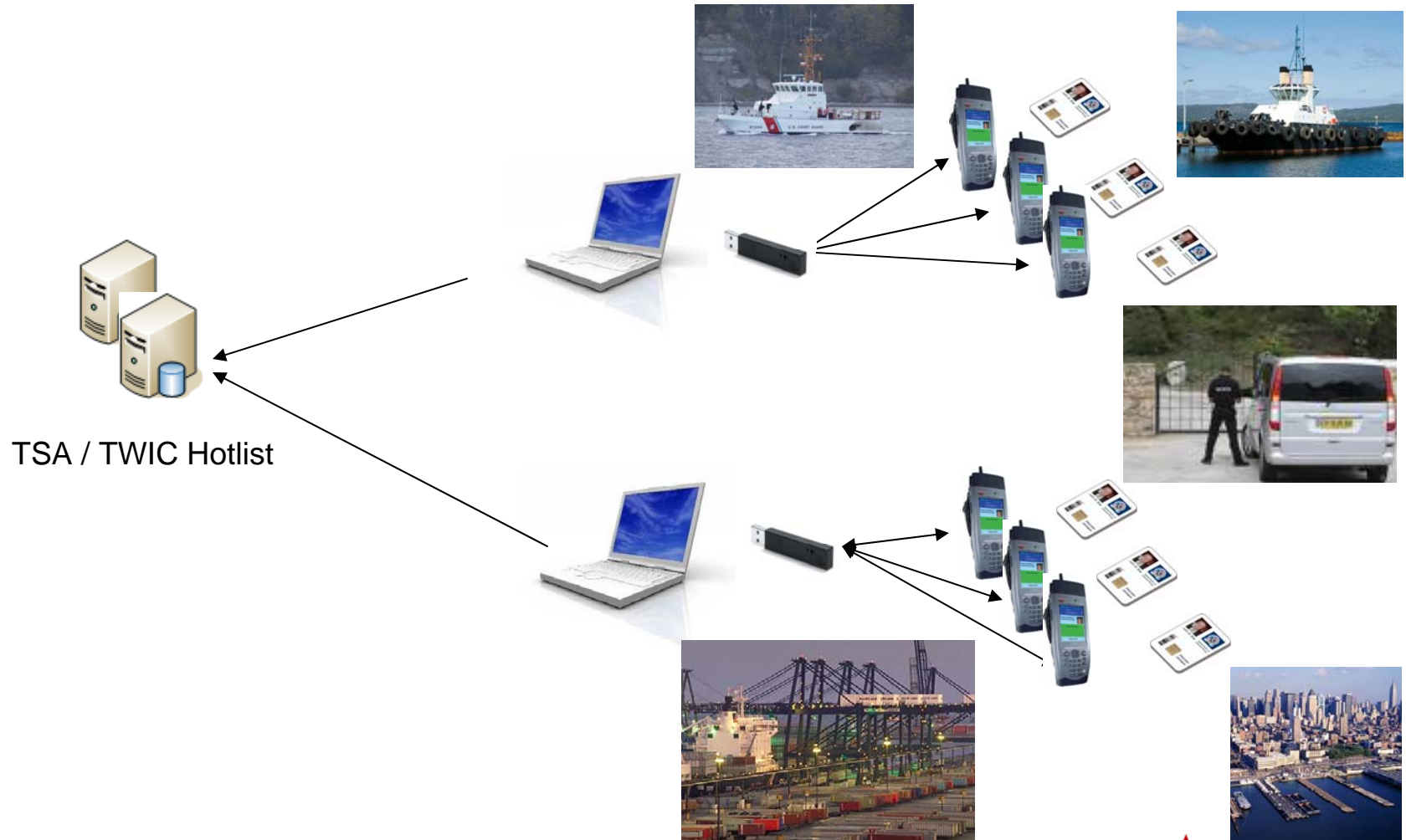
Who has entered and exited and how long were there?



# Distributed OCSP



# Transportation Workers Identity Credential

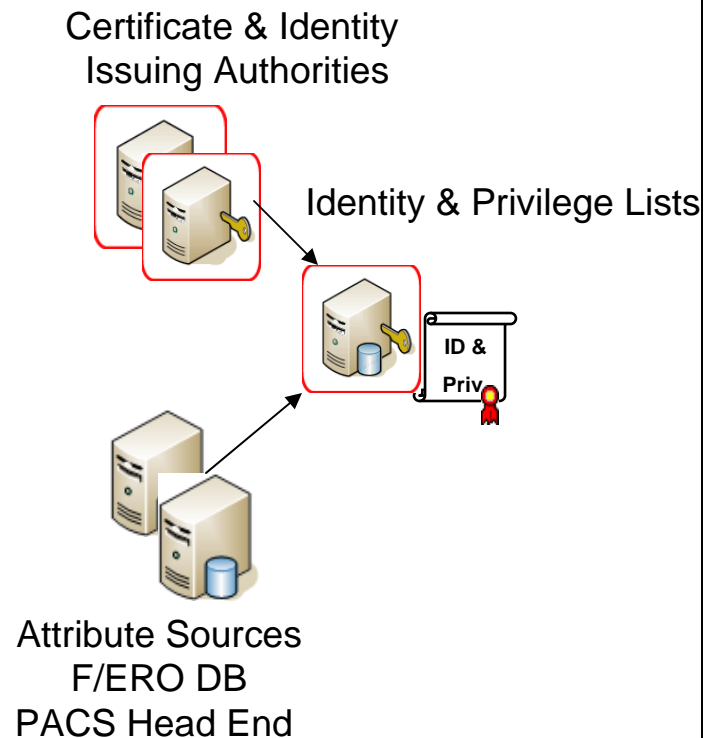


# Mobile Requirements

- Strong Identity Vetting from Trusted Sources
- Off Card attributes allows dynamic, local management of that information without having to touch the card
- No PII on mobile devices
- Electronic Validation of Identity and Attributes
- Ability to share this information across agencies
- Functionality in Lights-Out / Comms-Out
- Leverage existing standards and success



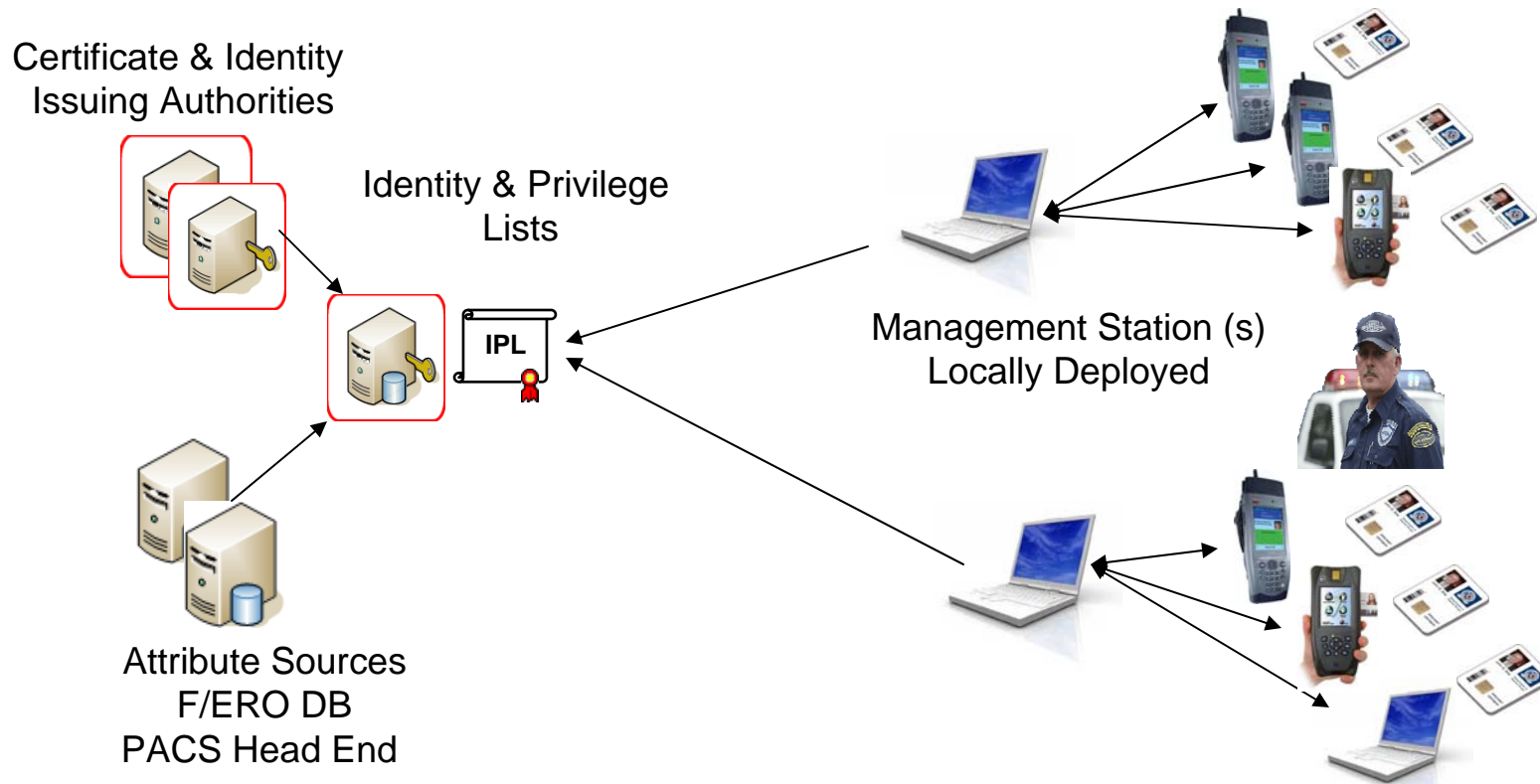
# Off Card Attributes



## Lessons Learned

- Identity is Static
  - Long Lived Identity Credential
  - FIPS201 / PIV
- Attributes are Dynamic
  - Can be updated without touching the card
  - Attributes assigned to credentials issued by another trusted party
- Identity and Privilege List
  - Combines the Strength of a Strong Identity with the most current attributes that can be electronically verified as current, valid, and from a trusted source
  - Must NOT Contain ANY PII

# Organizational Model

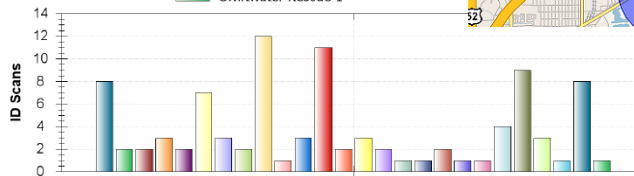
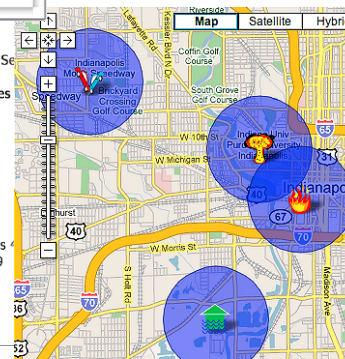
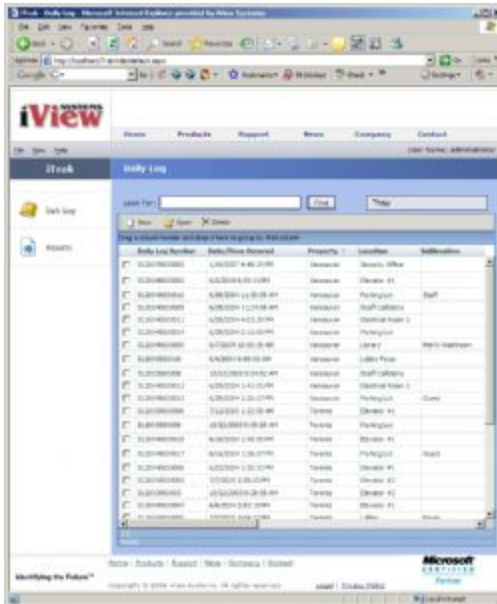


# On Scene Operations

- Comms-out Lights-out
- No External Connectivity During the Incident Needed
- Local decisions, local accountability
- Identity and KSAs pre-vetted

Accountability

Management Station (s)  
Locally Deployed

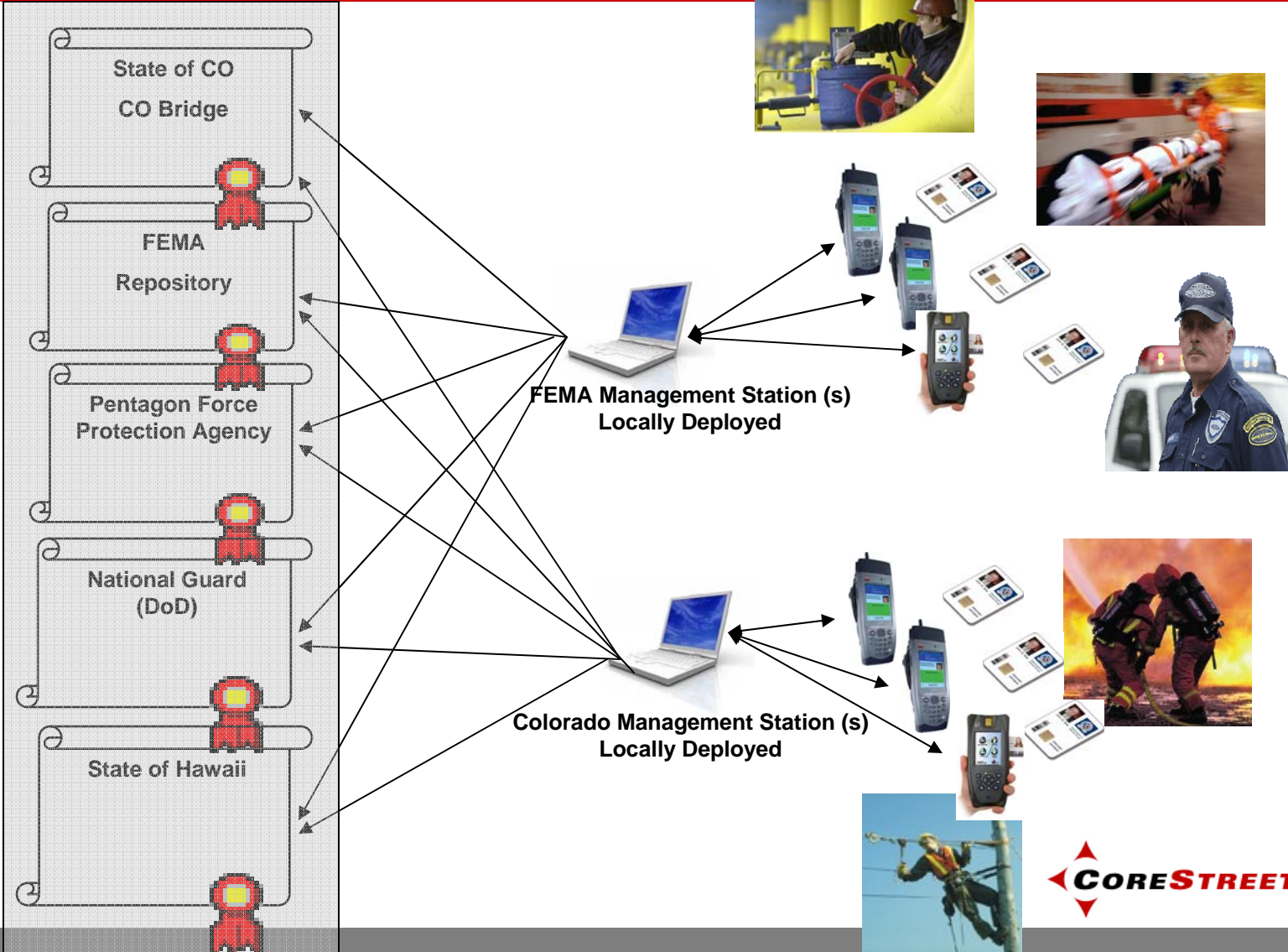


Total ID Scans: 95

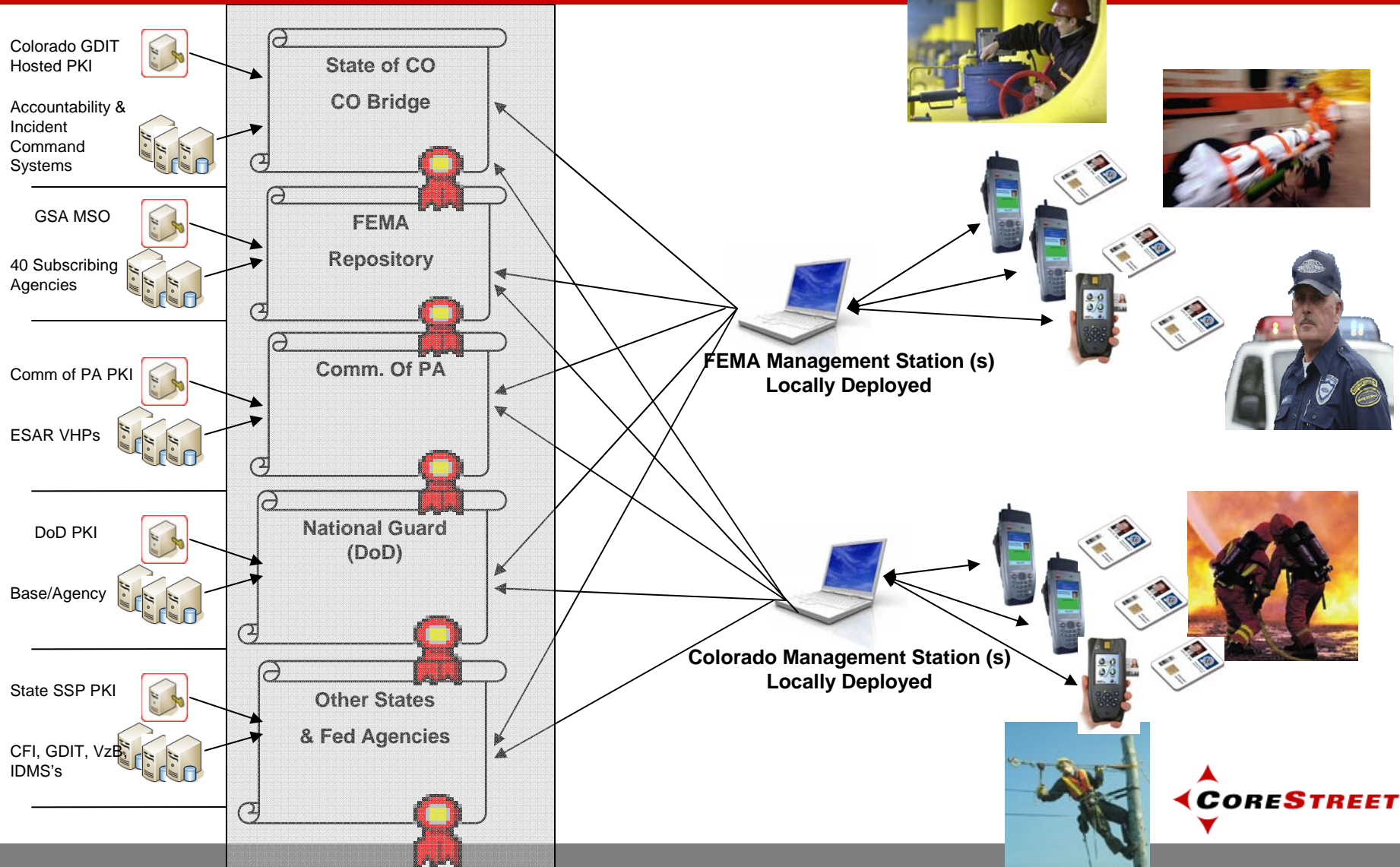
- SF-3 Incident Management
- SF-3 HazMat Officer
- SF-3 HazMat Safety Officer
- SF-3 HazMat Technician
- SF-3 Plans Examiner III
- SF-4 Firefighting
- Fire Chief
- Career Firefighter
- Volunteer Firefighter
- SF-4 Airport Firefighter
- SF-4 Emergency Vehicle Technician
- SF-4 Fire Apparatus Driver/Operator
- SF-4 Firefighter I
- SF-4 Firefighter II
- SF-4 Fire Inspector I
- SF-4 Fire Inspector II
- SF-4 Fire Inspector III



# F/ERO Interoperability Layer



# National Interoperability for Mutual Aid



# DHS/FEMA Interop Demonstrations

- **2/23/06** Winter Fox: **Federal, State, Local**  
**Host: Pentagon**  
**Validation: ESF-13 (Law Enforcement) Multi-Jurisdiction Interoperability**
- **5/18/06** Eligible Bridge: **Public & Private Sectors**  
**Host: George Washington University**  
**Validation: ESF-5 (Emergency Management) Public/Private Interoperability**
- **6/8/06** AT&T: **Private Sector ID eAuthentication**  
**Host: AT&T**  
**Validation: ESF-2 (Communications) eAuthentication**
- **6/21/06** Forward Challenge: **DHS ID eAuthentication**  
**Host: DHS**  
**Validation: ESF-5 COOP/COG Evacuation Visibility/Manifest Tracking**
- **7/20/06** Maritime Interoperability Demonstration: **Public & Private Ports**  
**Host: US DOT**  
**Validation: ESF-1 (Transportation) Multi-Port Access Visibility/Tracking**
- **12/8/06** Capital Shield: **National Guard**  
**Host: National Guard**  
**Validation: DC National Guard, West Virginia National Guard**
- **2/15/07** Winter Storm: **Federal, State, Local**  
**Host: Pentagon**  
**Validation: ESF 1 - ESF 4 ESF 5 ESF 8 ESF 9 ESF 13 - Common Access Cards, & Licenses**
- **7/12/07** Volant Freight I, **Fed, State, Local**  
**Host: DHS**  
**COOP COG Relocation**
- **7/19/07** Summer Breeze, **Fed, State, Local**  
**Host: DHS, FEMA, NCRC, DOD, PFFA**  
**Highlighted federal, state, local, and private sector identity interoperability**
- **3/6/08** Winter Blast, **Fed State Local**  
**Host: FEMA & HHS**  
**Primary Focus: National Response Framework Emergency Support Function 8**
- **5/7/08** NLE 2-08, **Fed State Local**  
**Host: DHS/FEMA**  
**Real-Time tracking of relocated government personnel while traveling to COOP/COG alternative sites after disaster**
- **5/15/08** Spring Blitz **Fed State Local**  
**Host: Tampa Fire Rescue/ FEMA**  
**Demonstrate Routine and Emergency Access to secured facility during a large sporting event**
- **7/23/08** Summer Sizzle **Federal, State, Local**  
**Host: DHS**  
**COOP COG Relocation**
- **9/16/08** Volant Freight II **Federal, State, Local**  
**Host: State of VA Governors Office / FEMA**  
**COOP COG Relocation**



# Summary

- **Utilize PIV and PIV-I Credentials**
  - DoD CAC - Common Access Cards including National Guard
  - TWIC – Transportation Workers Identity Credential
  - FRAC – First Responder Authentication Credential
- **Local Management of Qualifications and Identity**
- **Local Issuance of Identity Credentials**
- **In Hand Status of Credentials and Qualifications**
  - From every program participant at state and federal levels
  - Operational in lights-out/comms-out scenarios
- **Leveraging the Standards and Successes of Millions of Cardholders**
- **Implements Migration and Future Proofing Capabilities**



## Contact Information

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