



Wednesday, May 14

Track A
Identification Applications & Policy

Session: Enterprise & Government ID Applications & Policy

Time: 1:30 PM – 3:00 PM

Room: W202 B&C

Moderator:

Linda Brown

Business Development, Security and Chip Card ICs
Infineon Technologies

Speakers:

Bray Becker

Sr. Manager, Credentialing Programs
Lockheed Martin Transportation & Security Solutions

Bob Gilson

Management & Programs Analyst
US Department of Defense: Defense Manpower Data Center

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First Responder ID-Crossing ID Boundaries

David Belchick
Product Manager

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Agenda

- **General state of the market**
- Use case & stated needs
- Overview of framework



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Current First Responder Environment



- **Many Issuers**
 - Local, state, Federal
 - Public, private
 - Military, civilian
 - Separate databases
 - No communication between organizations
- **Many Cards**
 - Multiple badges for the same individual
 - Multiple privileges for issued cards
 - No validation of these credentials
- **Unknown Privileges**
 - Issued from standalone databases
 - No validation across organizations
 - Not linked to identity



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Identity & Privilege Validation

Every day & the day



- Are you who you say you are?
- Should you be allowed in (right people at right time)?
- Do you know who entered the area and when?
- Do you know who has left the area and when?



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Current State of First Responder ID Checking

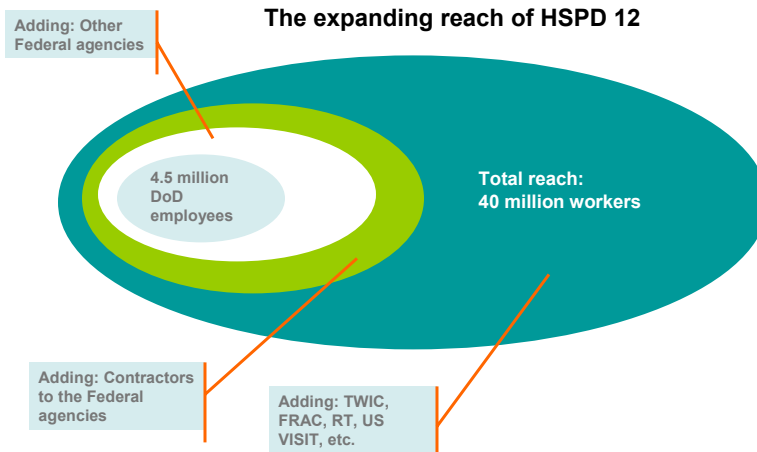


Visual Inspection

- Low assurance
- Error-prone
- No Validation



Evolution of Standardized Credentials in the US



The Big Change – Credentials are converging

Identity Credential



Transactional Credential



Smart Credential



- Standardized
- Issued by a well regulated, central authority
- Large, interoperable populations
- Complex, federated authorizations
- Significant anti-fraud protection
- Determine identity and multiple privileges
- Physical and logical security
- Many electronic transactions, every day



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Existing Challenge: How to Trust & Verify Identities and Privileges

- **Managing amid the chaos**
 - Gaining control of the site
 - Ensuring quick entry for appropriate First Responders
 - Knowing who is on site
 - Managing personnel from different organizations
 - Requiring specialized skills
 - Succeeding when nothing works—no infrastructure
- **How can you be sure?**
 - Should the person standing in front of you be allowed in?
 - Who will make that decision?
 - On what basis?
 - How will this be logged?
- **Examples of use cases**
 - Incident response
 - Hurricane
 - Wildfire
 - Terrorist



Interoperability is the key due to the scope!



First Responder & FRAC- Priority Deployments Practitioner Community Utility

Interoperability is the key across domains and boundaries!

- Public Health & Medical
 - Emergency Support for the Advanced Registration of Volunteer Health Professionals (ESAR-VHP)
 - Patient tracking
 - Family Reunification
- Fire Fighting
 - Red card triage information
 - Personnel qualifications
 - Asset management and tracking
- Transportation Community
 - Maritime & Port Operations
 - Aviation Terminal Operations
- Federal Operations
 - Physical & Logical Access
 - Integration
 - COOP / COG
- Public Safety & Security
 - Physical & Logical Access
 - Incident Management / Crime Scene Management
 - Custody of evidence & chain of trust
 - Streamline suspect identification & tracking throughout the process
- Communications
 - Physical & Logical Access
 - Disaster Access
 - COOP operations



Authorization: Attribute Management

- **Card for identity**
- **Privileges managed locally, off the card**
- **Update privileges without changing card**
- **Manage through enrollment process or load from existing data sources (directories, databases)**

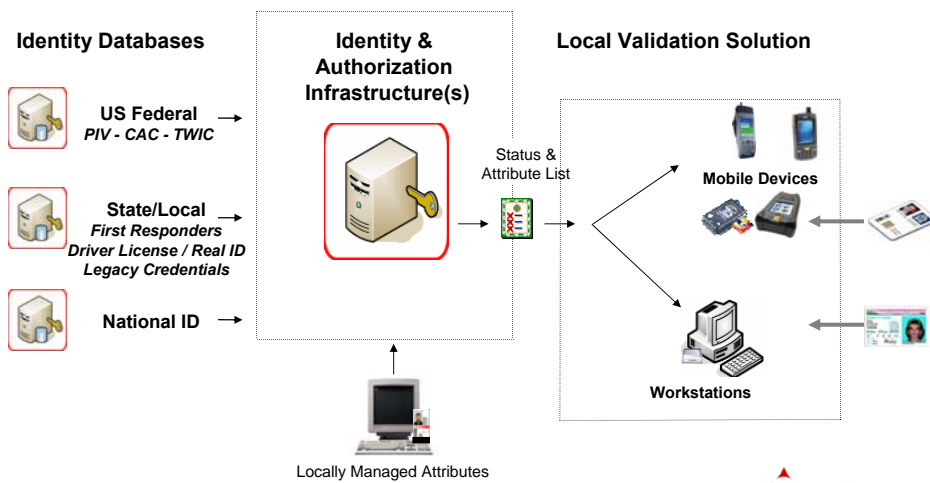


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Authentication & Validation Framework



FRAC Demonstration Events Objectives/Outcomes

Objectives:

1. Validate an operational First Responder Authentication Credential (FRAC) disaster recovery identity management trust model amongst federal, state, local, and private sector jurisdictions
2. Validate the routine use functionality of the trust model
3. Validate the emergency use functionality of the trust model

Expected Outcomes:

1. 100% validation of public-key infrastructure (PKI) identities using handhelds, smart credentials and, as required for emergency access, personal identification numbers (PINs)
2. 100% verification of authorized Emergency Support Functions (ESFs) as determined by participating agencies/jurisdictions
3. 100% validation of attribute infrastructure information exchange as agreed upon by participating agencies/jurisdictions



FRAC Demonstration Results

1. Achieved 100% electronic validation of multi-agency public & private personnel responsible for planning & response to a regional disaster (HSPD-5)
2. Achieved 100% electronic identity validation of public & private sector personnel by adopting protective measures to reduce the vulnerability to U.S. infrastructure (HSPD 7)
3. Achieved 100% electronic identity validation of personnel requesting emergency access to a Federal facility (HSPD 8)
4. Achieved 100% electronic validation of personnel requesting routine access to a Federal facility (HSPD 12)
5. Achieved 100% electronic validation of credentials with PIN



CoreStreet - "We Make Credentials Work"

- **Overview**

- Founded October 2001
- MIT spin-off, strong IP foundation
- Cambridge (Mass), Washington DC and London
- Global partnerships and alliances
 - CA vendors, SIs, PACS vendors
- Strong growth, 100+ customers in
 - Government, Finance, Life Sciences, Critical Infrastructure
- Venture backed – Udata, POD Venture, In-Q-Tel



- **Leader in Credential Validation Solutions**

- CoreStreet Validation Suite
 - Scaleable certificate validation for electronic access
- CoreStreet PIVMAN Solution
 - Mobile identification and privilege checking
- Technology for IT and Physical security convergence
 - Breakthrough Card-Connected™ Technology



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Questions or Comments

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Merci *Thank You* *Gracias*
Vielen Dank *Takk De*
Dank U *شكرا* *Děkujeme Vám*
Спасибо *Grazie*

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