



## Securing Your Digital Life

### Entrust First Responder Authentication Credential Solution

#### Extensible Solution Includes Management, Onsite Verification of FRAC Credentials

When disaster strikes, first responders from local, state and federal jurisdictions are called into service. Knowing who is who on the scene is critical — making secure, verifiable identity credentials essential to an effective response. Incident command must know who is on scene and what skills those people possess, and concurrently be able to deny entry to individuals who do not have permission to access restricted areas.

The Entrust First Responder Authentication Credential (FRAC) solution gives emergency management agencies the ability to issue and manage first responder smart identity cards that can be electronically verified on site through an integrated, flexible, scalable and reliable solution from a single vendor.

As a focused security solution, FRAC still includes much of the same technology found in traditional layered security models, which are optimized to address specific security challenges. The secure digital identities provided by the FRAC solution can be leveraged as the foundation of a layered security strategy designed to protect homeland security information. The ability to securely issue identities through the FRAC solution can be extended to enable other applications across the state enterprise.

#### Interoperable Across First Responder Community

First responders come from a variety of disciplines and include law enforcement, firefighters, health professionals and relief workers, as well as telecom, utilities and transportation workers in the “first recovery” community. Given that first responders come from different agencies, identity credentialing needs to be done in a way that is interoperable and standardized, but also puts the approval process as close as possible to those local teams.

#### Solution Benefits

- Interoperable First Responder Authentication Credential solution available from a single vendor
- Web-based portal consolidates approval, issuance and management of identity credentials
- Commercial off-the-shelf software including CoreStreet PIVMAN System™ for verifying identities and characteristics onsite without Internet connectivity, including:
  - Photos
  - Role information as defined by DHS
  - Special skills, training or certifications
  - Other important characteristics or roles
- Compatibility with standards such as FIPS 201 and PIV
- Interoperability with the DHS
- Ability to leverage credentials to protect information and extend services using security functions such as encryption, digital signing and strong authentication

# Entrust First Responder Authentication Credential Solution

The Entrust FRAC solution enables interoperability through compatibility with important identity card standards such as FIPS 201 and Personal Identity Verification (PIV). Therefore, identity credentials issued by federal agencies such as the Federal Emergency Management Agency (FEMA), U.S. Department of Homeland Security (DHS) and U.S. Department of Defense (DoD) can be verified in the field as well. Any FIPS 201 cards can be read no matter where they were issued — from anywhere and without Internet connectivity.

Further interoperability is provided through digital certificates from the Entrust Managed Services PKI, which offers cross-certification with the Federal Bridge Certification Authority.

Standardized credentials enable effective management and distribution of emergency personnel, permitting time-sensitive access for the appropriate people to government buildings and secure areas affected by events such as a natural disaster or terrorist attack.

## A Flexible, Secure Solution for Identity Credentialing

Most states already have pieces of the identity proofing and credentialing process in place. Entrust's FRAC solution leverages existing assets as part of a comprehensive FRAC

program that is secure, flexible and easy to manage — from registration to issuance to field verification.

Importantly, the solution leverages state processes and data sources for registration, identity and privilege information if they exist already, or they can be built with the solution. Approval, management and update of the FRAC credentials can be delegated to the agency level closest to the individual, improving the accuracy and reliability of the credentialing process. Depending on state requirements, registration can occur either at a face-to-face registration station, through a consolidated Web portal, or a combination of both.

Strong system security is inherent, recognizing that credentials and identity data are highly sensitive from both a privacy and homeland security perspective. The data flow throughout the system is strongly protected in a manner that maintains trust and data integrity. Access control includes multimode authentication that the person is who they say they are and validates that their credential and privileges are current at the time of use. To protect privacy, data transmitted from host to workstations and field deployed devices does not include personally identifiable information. High compression rates enable millions of records to be stored on a single handheld device so data storage and scalability do not become issues.

### Entrust/CoreStreet First Responder Authentication Credential (FRAC) Solution



**Figure 1:** Described at a high level, the system registers users and issues identities (digital certificates). The identity information is mapped to privilege and characteristic data, including roles (as defined by DHS), and more granular information such as specialized training an individual may possess. This data is consolidated and transmitted to management stations and field authentication devices. Changes, updates and credential revocation are synchronized automatically and in real time, so the field devices always have the most recent data.



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## Department of Homeland Security Grant Funding Available for FRAC

The U.S. Department of Homeland Security has a number of grants available to states for emergency response projects. DHS has recognized the importance of first responder credentialing programs by enabling grant money to be used for Credentialing System Software (DHS Authorized Equipment List — 04AP-05-CRED). Entrust and CoreStreet can help your agency apply for funding being made available through the following grant programs:

- State Homeland Security Program (SHSP)
- Law Enforcement Terrorism Prevention Program (LETPP)
- Urban Areas Security Initiative (UASI)
- Metropolitan Medical Response System (MMRS)
- Citizen Corps Program (CCP)
- Buffer Zone Protection Program (BZPP)
- Intercity Bus Security Grant Program (IBSGP)
- Transit Security Grant Program (TSGP)
- Emergency Management Performance Grant (EMPG) Program

## Solution Components

- Registration system for digital certificate enrollment:
  - Leverages existing data sources and state registration processes
- Identity Management System (IDMS) or Entrust State Credentialing Portal & Field Application
- Entrust Authority Security Manager (in-house PKI) or digital certificates from Entrust Managed Services PKI
- Card Management System
- Smart Cards
- The CoreStreet PIVMAN System™
  - IPL Publisher aggregates credential information
  - PIV Management Station
  - PIVMAN Handheld
- Professional Services

**Interested in FRAC? Learn more.**

To learn more about all that FRAC can provide, please visit [www.entrust.com](http://www.entrust.com), call 888-690-2424 or e-mail [entrust@entrust.com](mailto:entrust@entrust.com) for more information.

## About Entrust

Entrust [NASDAQ: ENTU] secures digital identities and information for governments, enterprises and consumers in 1,650 organizations spanning 60 countries. Entrust leverages a layered security approach to address the growing risks to governments and enterprises worldwide. Our layered solutions help secure the most common digital identity and information protection pain points in an organization. These solutions include SSL, authentication, fraud detection, digital certificate management, shared data protection and e-mail security. For information, call 888-690-2424, e-mail [entrust@entrust.com](mailto:entrust@entrust.com) or visit [www.entrust.com](http://www.entrust.com).

