Identity, Credential and Access Management (ICAM) Engineering

FEMA News Photo

Helping our clients with the critical task of validating personnel during emergencies

Concurrent Technologies Corporation (CTC) delivers Identity, Credential and Access Management (ICAM) products and solutions that are federal ICAM (FICAM) compliant and help our clients accomplish their mission. With extensive experience developing and delivering ICAM products, we understand the guidelines and can implement solutions that are built to meet or exceed applicable ICAM standards.

CTC specializes in supporting clients with ICAM guidance and implementation efforts; helping organizations to maximize their approach to:

• Identity Management • Secure Access • Authentication • Authorization • Credentials • Privileges • Lifecycle Management

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CTC's ICAM services include:

- ICAM Governance
- ICAM Implementation
- Federated Identity Architecture PIV, PIV-I, and CAC Enabled Logon Services
- Registration and Reporting
- Mobile Validation

CTC *Concurrent Technologies Corporation*

Emergency Response Official Accountability Tracking System (ERO ATS)

A mobile, electronic credential validation system

CTC developed the Emergency Response Official Accountability Tracking System (ERO ATS), a mobile, electronic credential validation system used to identify personnel and achieve operations among different jurisdictions during emergencies. The ERO ATS offers operations managers and incident scene commanders the ability to verify the identities and ERO attributes (capabilities) of EROs available on-site. Use of General Services Administration (GSA)-approved Federal Information Processing Standards (FIPS) 201 credentials at an incident scene provides:

- Efficient and reliable management of deployable resources to and from emergency operational environments
- Targeted direction for EROs within an operational environment to address immediate operational needs more quickly
- Better and faster establishment of reliable accountability manifests, or lists, of EROs to support operational awareness more directly
- Better and faster reporting and tracking capabilities to support ERO movement
- Compliance with the Homeland Security Presidential Directive 12 (HSPD-12) requirement to provide a secure and reliable means to identify federal and associated employees.

Providing identity, credential, and access management (ICAM)

CTC directly supported the U.S. presidential inauguration on January 20, 2017. CTC staff used the ERO ATS to provide an ICAM capability to the District of Columbia Homeland Security and Emergency Management Agency (DC HSEMA) to enable unescorted facility access during the inauguration. DC HSEMA processed more than 1,200 common access cards and personal identity verification cards along with numerous driver's licenses for personnel entering the Unified Communications Center. The system performed exceptionally well in a real-world setting and helped DC HSEMA successfully execute its mission to ensure the security of the inaugural events.

CTC has provided ICAM support to the Department of Homeland Security (DHS) Federal Emergency Management Agency (FEMA) to assist in the response to weather disasters each year since hurricanes Harvey, Irma, and Maria in 2017. FERO ATS was also used to support the COVID-19 response for the FEMA Personnel Mobility Center (PMC) during 2020 and 2021, tracking deployed personnel. At the FEMA PMC, FERO ATS Mobile Validation Devices (MVD) were setup to support entry and exit, identification, and accountability of personnel being deployed for disaster response. CTC has also provided FERO ATS help desk support for the duration of those disaster response events. Our ICAM support has been extended for the disaster season of 2023.

Core Capabilities

- CTC has experience implementing Open-Source Web Standards such as Service Provisioning Mark-up Language (SPML) and Security Assertion Mark-up Language (SAML). Relevant past performance includes the DHS FEMA Federal Emergency Response Official Program and the DHS FEMA OCIO Cyber Attribute Sponsorship Repository. Our technical expertise and experience have helped our customers successfully deploy a variety of innovative ICAM products and platforms.
- CTC has a trusted relationship with FICAM personnel and has been an integrated partner of FICAM community efforts.
- CTC has experience with smartcard standards as well as building custom interfaces with PIV cards. Our experience includes public and private key infrastructure and the integration of public key infrastructure (PKI) with technical solutions. CTC also has experience authenticating user identities and controlling access to specified locations.
- CTC migrated the ERO ATS from the government on-premise hosting environment to the DHS GovCloud. CTC systems engineers established an Amazon Web Services (AWS) based hosting environment that complies with applicable Secure Technical Implementation Guides (STIGs) and obtained an Authority to Operate in June 2020. Since then, CTC has conducted continuous monitoring activities required to maintain the ATO.

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