



< Let's Talk

Entrust PIV-I Technology

Government-Interoperable Identity Credentials

An extension of the Non-Federal Identity SSP Service, Entrust offers Personal Identity Verification Interoperable (PIV-I) solutions for state governments, the private sector and other non-federal organizations who need identity credentials that are issued in a manner that facilitates trust and technically interoperable with the U.S. federal PIV card standard.

Entrust's PIV-I solution, which includes smartcard components from security vendor XTec, has been approved by the Federal PKI Policy Authority (FPKIPA).¹

This special certification authorizes Entrust to issue PIV-I smartcard credentials to non-federal organizations or companies. Entrust is one of only a handful of security vendors on the U.S. government's list of approved PIV-I providers.

What is PIV-I?

PIV-I provides a standards-based implementation of a physical and logical access credential in the form of a smartcard. PIV-I is based on the same standards of vetting and issuance developed by the U.S. government for its employees, but it has been tailored for non-federal use.

Implementing PIV-I

PIV-I credentials offer vetted individuals many capabilities, including secure communication with federal organizations as well as secure physical and logical access to the appropriate facilities, machines, portals or applications.

Entrust's PIV-I solution helps organizations meet PIV technical specifications to work with U.S. federal PIV infrastructure elements (e.g., card readers) and is issued in a manner that allows other vetted U.S. federal government departments and organizations to trust the credential's identity information.

PIV-I cards are different from government PIV credentials in that the latter is issued directly under the control of the issuing federal agency. PIV-I meets all of the technical specifications of the PIV credential and is issued by entities vetted by the U.S. federal government.

This allows an organization to issue the same physical card to all employees and partners, and then provide the option to enhance the credential with the ability to be trusted by federal and other external organizations via the Federal PKI.

Entrust's PIV-I Solution

For the approved PIV-I implementation, Entrust is partnered with XTec — a leading provider of smartcard-based products — to deliver a proven, comprehensive solution. This partnership also provides PIV solutions to the U.S. Departments of Labor, State and Homeland Security, the National Science Foundation, and other federal agencies.

Solution Benefits

- Enables non-government organizations to securely communicate and interoperate with the U.S. federal government
 - State and local government employees
 - Federal contractors and suppliers
 - Private sector employees
 - First responders
 - Healthcare workers
- On U.S. government's list of approved PIV-I providers
- Approved by the U.S. Federal PKI Policy Authority
- Same technology used by the U.S. government in the USAccess program
- May be coupled with card technology from any approved third-party security vendor
- Entrust PIV-I cards are FIPS-140-2-certified
- Includes smartcard components and technology from XTec's AuthentX line of identity management solutions
- Supported by Entrust's expertise in government ePassport, credentialing, national ID and digital certificate projects

¹ "Personal Identity Verification Interoperable (PIV-I) Cross Certification: Approved PIV-I Providers," U.S. General Services Administration, April 13, 2011.

< Let's Talk

Entrust's solution provides organizations with great flexibility by enabling organizations to issue credentials that are fully interoperable with the U.S. government agencies, bureaus and departments, or allowing an organization to limit trust for certain functions within their organization.

Entrust PIV-I Options

- Card size and capabilities, including support of key history on card
- Organization-specific profiles utilizing PIV-I authentication and any or all of:
 - › Key management capabilities for encryption
 - › Digital signature capabilities
 - › Card authentication keys for physical access systems
- Organization-specific card layouts, ensuring compliance with the PIV-I specifications

Smartcard Versatility

Entrust leverages its dedicated Non-Federal Identity Shared Service Provider Service (NFI SSP) to deliver a flexible solution. The NFI SSP is an approved PIV-I certification authority (CA)² and can be used with the existing XTEC-based service.

For organizations that currently implement a fully operational card management system, Entrust can validate existing systems for use within a PIV-I environment.

Powered by the Platform

Entrust's advanced PIV-I and physical/logical access capabilities are core to the versatility of a comprehensive authentication platform. The Entrust platform enables organizations to layer security — according to access requirements or the risk of a given transaction — across diverse users and applications. Entrust's other proven authentication capabilities include username and password, IP-geolocation, device, questions and answers, out-of-band one-time passcode (delivered via voice, SMS or e-mail), grid and eGrid cards, digital certificates (in software or on smart cards/USB Tokens) and a range of one-time-passcode tokens.

² "Certified PKI Shared Service Provider (SSP) List," Federal PKI Policy Authority: SSP Working Group, March 8, 2010.

About Entrust

A trusted provider of identity-based security solutions, Entrust empowers enterprises, governments, financial institutions, citizens and websites in more than 4,000 organizations spanning 60 countries. Entrust's customer-centric focus is the foundation to delivering organizations an unmatched level of security, trust and value. For strong authentication, credentialing, physical and logical access, mobile security, digital certificates, SSL and PKI, call 888-690-2424, email entrust@entrust.com or visit www.entrust.com. Let's talk.

Entrust[®] Securing Digital Identities & Information

Entrust is a registered trademark of Entrust, Inc. in the United States and certain other countries. In Canada, Entrust is a registered trademark of Entrust Limited. All other Entrust product names and service names are trademarks or registered trademarks of Entrust, Inc. or Entrust Limited in certain countries. All other company names, product names and logos are trademarks or registered trademarks of their respective owners. © 2011 Entrust. All rights reserved.

Foundation of PIV Standard

Developed by the U.S. government to comply with Homeland Security Presidential Directive 12 (HSPD-12), Personal Identity Verification (PIV) credentials provide government users with physical and logical access to U.S. federal buildings and networks via a PKI-enabled smartcard.

The digital identities contained in the PIV credentials are issued by Entrust for all agencies using the USAccess program (operated by the General Service Administration) including major agencies such as the U.S. Departments of Treasury and Justice.

Entrust is also the foundation technology for other agency PIV programs such as those at the U.S. Department of State, Department of Labor, Department of Homeland Security (DHS), and other large agencies such as the Social Security Administration (SSA) and NASA.

Today, in excess of 800,000 PIV cards using Entrust-based credentials are in operation. These PIV credentials also enable government employees to digitally sign documents and e-mails — promoting secure collaboration and increasing operational efficiency.

More Information

For more information on Entrust PIV-I solutions, contact the Entrust representative in your area at **888-690-2424** or visit entrust.com/piv.