



# IdenTrust™ ECA Digital Certificates

## The IdenTrust DoD PKI ECA Program

As part of an overall program to provide a stronger and more secure authentication mechanism for accessing Department of Defense (DoD) Information Systems, contractors may be required to use Digital Certificates: an electronic identity credential issued by an External Certification Authority (ECA) that establishes an individual's Identity when transacting business electronically.

### THE ROLE OF THE ECA





The External Certification Authority program enables DoD approved external certificate authorities (CA) to issue digital identity certificates to qualifying applicants. Each CA must comply with the DoD Certificate Policy which outlines process rules for identification, authentication and issuance.



The DoD PKI ECA digital certificate contains the individual's name and citizenship, a serial number, affiliation with a company or organization, expiration dates, the certificate holder's public key (used for encrypting messages or digital signatures) and the digital signature of the certificate-issuing authority so that a recipient can verify that the certificate is authentic and valid. Once the ECA digital certificate is verified, the individual can be granted access to DoD information systems. Every IdenTrust ECA Subscriber will receive both a Signing and an Encryption certificate. The signing certificate is used for digital signatures and access control. The encryption certificate is used for encryption of emails and documents.

### IDENTRUST AND THE ECA

All IdenTrust DoD PKI ECA certificates include identity authentication, digital signing, and encryption capabilities and comply with DoD ECA Certificate Policies. These certificates are also citizen attribute "ready" (mandatory after July 1, 2007) and compliant with the DoD 2,048 bit requirement. Below are the four types of ECA certificates that IdenTrust offers.

Certificate Type	Features
<b>DoD PKI ECA Medium Assurance</b> 	<ul style="list-style-type: none"> <li>Assurance Level: Medium, identity verified by a notary, an IdenTrust Agent or a Trusted Correspondent</li> <li>Software-based digital certificate stored within the Internet browser</li> <li>Keys generated and held in FIPS 140-1/2 level 1 or higher validated software (i.e. Internet Explorer)</li> <li>Validity: 1 or 3 year certificates</li> </ul>
<b>DoD PKI ECA Medium Token Assurance</b> 	<ul style="list-style-type: none"> <li>Assurance Level: Medium Token, identity verified by a notary, an IdenTrust Agent or a Trusted Correspondent</li> <li>Keys generated and held in FIPS 140-2 Level 2 or higher validated USB Token</li> <li>Validity: 1 or 3 year certificates</li> </ul>
<b>DoD PKI ECA Medium Hardware Assurance</b>  OR 	<ul style="list-style-type: none"> <li>Assurance Level: Medium Hardware, identity verified by an IdenTrust Agent or Trusted Correspondent</li> <li>Hardware-based digital certificate stored within a smart card or USB token</li> <li>Keys generated and held in FIPS 140-2 level 2 or higher validated smart card or USB token</li> <li>Validity: 1 or 3 year certificates</li> </ul>
<b>DoD PKI ECA Medium Assurance SSL</b>	<ul style="list-style-type: none"> <li>Assurance Level: Medium Token, identity verified by a notary, an IdenTrust Agent or a Trusted Correspondent</li> <li>Software-based digital certificate stored within the Internet browser</li> <li>Keys generated and held in FIPS 140-1/2 level 1 or higher validated software</li> <li>Validity: 2 year certificates</li> </ul>

To find out more about qualifying for or applying to get an ECA certificate, please go to the IdenTrust website:  
[www.IdenTrust.com/ECA](http://www.IdenTrust.com/ECA)

## EXPERIENCE AND REPUTATION

IdenTrust has delivered certificate programs to the U.S. government for many years and has built a reputation for outstanding customer service.

In fact, IdenTrust provides more than 70% of the ACES (Access Certificates for Electronic Services) digital certificates and works closely with the General Services Administration (GSA). (The GSA acts as policy authority and administrator and provides logical access control for electronic government applications requiring digital signatures or electronic authentication.)

IdenTrust also provides digital certificate services to weapons exporters under the Department of State's D-Trade defense contractor licensing program.

Other agencies we have collaborated with include the Department of Labor, Department of Health and Human Services, and the Internal Revenue Service.

## BENEFITS

Benefits of IdenTrust ECA services include:

- Flexible registration to fit the needs of small or large subscribing organizations, including online registration for individuals and bulk load registration for groups.
- Identification and authentication aligned with the specific needs of the subscribing organization:
  1. *Trusted Correspondent Performed* - for large subscribing organizations able to perform identity verification
  2. *Notary Performed* - for individuals and small subscribing organizations without internal resources or expertise (applies to Medium Assurance and Medium Token Certificates and requires in-person meeting with a notary public)
  3. *IdenTrust Performed* - for individuals and small subscribing organizations (requires no on-site resources)
- Secure and standards validated hardware tokens.
- FIPS validated cryptographic modules (minimum level 1).
- FIPS-2 Level 2 or higher validated smart cards or USB tokens.
- High security 2,048 bit digital certificate which can be utilized after January 2011.
- Certificate Policy version 4.0-ready certificates for medium, medium token and medium hardware certificates with the ability to verify and include citizenship.
- Encryption key escrow and key recovery services. All IdenTrust ECA encryption certificates are escrowed for security. Only KROs can perform the Key Recovery.

The U.S. government will continue to require greater levels of online security and authentication from individuals wanting to conduct business electronically with its agencies. IdenTrust's experience with government digital certificate policies is proven and extensive. IdenTrust brings that knowledge to the ECA's program, expanding the pool of options and resulting in a richer, more robust contribution to the U.S. government efforts to know who it is dealing with. Digital certificates are all about Trust. With IdenTrust, you can trust that the certificates issued will stringently adhere to the ECA certificate policy.

## About IdenTrust™

In 1999, IdenTrust, formerly Digital Signature Trust, was authorized by the Department of Defense (DoD) to issue digital certificates to their trading partners. Today, as an External Certificate Authority (ECA), IdenTrust issues digital certificates to DoD trading partners for use in many of their electronic programs with industry partners and other external companies including: the Wide Area Workflow, Defense Travel System, Secure Messaging and Electronic Document Access.

IdenTrust was also the first Certificate Authority (CA) to gain the General Services Administration's (GSA) approval to operate services under the Access Certificates for Electronic Services (ACES) contract. Today, IdenTrust is the leading issuer of ACES certificates, with over 70% of the volume, for participating federal agencies.

IdenTrust is also the global leader in trusted identity solutions, recognized by global financial institutions, government agencies and departments, and commercial organizations around the world. IdenTrust enables organizations to effectively manage the risks associated with identity authentication; work interoperably with countries around the world; minimize investment in creating their own policies and legal frameworks; and deploy a spectrum of products insuring trust, smarter, faster, and more cost effectively.

For more information on the IdenTrust™ ECA Program or other solutions, please contact:

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**IdenTrust**  
WE PUT THE TRUST IN IDENTITY