



Cisco Domestic Product Certifications

Types of Certification

There are several certification standards and organizations in the federal arena, including:

- **FIPS 140**
Ensures proper implementation of cryptographic algorithms and handling of cryptographic keys – it is a mandatory procurement requirement for U.S. government organizations.
- **JITC certification**
A requirement for all Department of Defense (DoD) agencies to deploy voice solutions that connect to the Defense Switch Network (DSN).
 - Certification testing is handled by the Joint Interoperability Test Command based in Ft. Huachuca, AZ.
 - JITC certification includes Interoperability and Information Assurance testing and validation.
- **Common Criteria**
Complementary to FIPS 140, this internationally recognized methodology for security evaluation and certification is sanctioned by the International Standards Organization (ISO).
 - Features seven Evaluation Assurance Levels (EALs)
 - Each level represents a higher degree of security assurance and development complexity.
 - Levels 1 through 4 are viable for Commercial off the Shelf (COTS) products.
 - A higher EAL translates to more rigor being applied to proving correct implementation of the product's security features.

Providing Agencies the Highest Global-Certification Standards

Far more than private sector businesses, federal agencies rely on standardization to ensure people, processes, and missions are uniformly focused in their goals. This level of assurance is equally paramount in the communication systems throughout and between agencies.

As part of Cisco's commitment to serve the federal marketplace, we're constantly working to ensure our advanced networking solutions are certified to this industry's unequalled standards. We're proud to share some recent certifications we've earned for solutions that can help your agency better achieve mission objectives.

The Importance of Certification

Beyond the compelling quality and authentication standards certification implies, such third-party validation provides agencies numerous other benefits. Certification standards provide a common functionality language, enabling critical analogous product comparisons, invaluable for application-evaluation purposes. Certifications also ensure organizations remain in compliance with legal and other requirements, an essential requirement in receiving contracts and funding.

Most Recent Certifications

Product

Cisco Router and Switching Platforms

Certification

IPv6 DoD JITC Certification

Agency

Universally applicable for all defense agencies

Details

In cooperation with the DoD's Joint Interoperability Test Command (JITC), Cisco has completed IPv6 Certification testing on key Cisco platforms.

The following Cisco routers have been added to the DoD IPv6-Capable Approved Products List (APL). All platforms were certified using the IOS 12.4T operating system.

- 7200 series routers (7201, 7204VXR, 7206VXR)
- ISR 3800 series (3825, 3845)
- ISR 2800 series (2811, 2821, 2851)
- ISR 1841

Additionally, as validation of Cisco's leadership position in the industry on IPv6, in fall 2007, the following routing platforms—as well as L2/L3 switches—will be certification-tested and added to the IPv6 APL upon completion.

Routers

7600
GSR
CRS-1

Switches

3750-E
4500
6500

Cisco Certifications

Products

Cisco Adaptive Security Appliance (ASA), PIX and Firewall Services Module (FWSM)

Certification

Common Criteria EAL 4 against the Application Firewall Medium Robustness Protection Profile

Agency

Universally applicable for all federal agencies

Details

- Cisco ASA 5500/FWSM Series have achieved the highest Certification possible for a commercial firewall using the most stringent protection profile available
- Provides users tremendous flexibility through expanded deployment options (routed, L2 transparent, and virtual firewalls) in addition to supporting secure remote management
- Protects a broader range of applications using the trusted security offered by the Cisco ASA 5500/FWSM Series, including voice and video applications
- Complete ACL and NAT/PAT coverage, including static, dynamic and policy-based NAT
- Broad inspection engine (application firewall) coverage
- Core services: HTTP, FTP, ESMTP, DNS, ICMP, TCP, UDP
- VoIP/Multimedia: H.323, SIP, SCCP, RTSP, TAPI/JTAP, GTP
- Application/OS services: LDAP/ILS, SunRPC, XDMCP, TFTP
- Transparent firewall (L2 transparent secure bridging)
- Routed and transparent virtual firewalls (security contexts)
- Secure remote management (through SSH) and console-based management
- Authentication via RADIUS and TACACS+

Product

Cisco Integrated Services Routers (ISRs)

Certification

Common Criteria EAL 4 rating for Cisco IOS Firewall

Agency

Universally applicable for all federal agencies

Details

- The ISRs combine FIPS 140-2 validation at Level 2 and Common Criteria EAL 4 to provide a secure branch router solution for federal agencies.
- The ISR platforms include the Cisco 870, 1800, 2800, 3800, and 7200 routers running Cisco IOS Software Release 12.3(14)T7 and 12.4(4)T2.
- The evaluation focuses on the use of a router as a stateful packet filter (context-based access control) and includes secure remote management using Secure Shell (SSH).
- Specific security testing was applied to identification/authentication functions and security audit to ensure the highest level of operational security excellence.

Product

Cisco Unity Unified Messaging System Version 4.0(5)

Certification

CPE
(Grants DoD customers the ability to deploy Cisco Unity in conjunction with Cisco CallManager within the Defense Switched Network.)

Agency

Department of Defense (DoD)
Joint Interoperability Test Command (JITC)

Details

- Provides productivity-improving features such as receiving email, voicemail, and faxes over telephone, internet, and mobile communication devices
- Lowers total cost of ownership by using a single network infrastructure
- Delivers DoD Information Assurance Accreditation (IAA) security capabilities
- Scales easily and cost effectively
- Extends employee mobility
- Simplifies internal and external communications



Product

Cisco Unified CallManager Version 4.2(3) with Cisco IOS Software Release 12.4(9) T1.

Certification

PBX1

Agency

Department of Defense (DoD)
Joint Interoperability Test Command (JITC)

Details

- Certification based on network requirements set by the Defense Information Systems Agency.
- Proves that tested products are highly secure and can operate without performance degradation in a multi-vendor environment.
- Testing covers military features such as Multi-level Precedence and Preemption (MLPP), which allows more important users to override routine traffic and ensures service during an emergency.
- Certified elements include:
 - Cisco Unified CallManager 4.2(3) call processing software, which has been enhanced to include MLPP support for supplementary services, such as call waiting, call hold, call transfer, three-way calling and call pickup.
 - The addition of the Cisco 2851, 3825, and 3845 gateways, as well as the Cisco 3725 and 3745 gateways, providing on-board LAN/WAN connectivity and new high-density service modules, including:
 - NM-HDV2 (28xx, 38xx)
 - VWIC-2MFT-T1/E1 (28xx, 37xx, 38xx)
 - NM-HDV2-2T1/E1 (28xx, 38xx)
 - Cisco CP-7940G, CP-7960G, CP-7911G, CP-7941G, CP-7941G-GE, CP-7961G, CP-7961G-GE IP phones, featuring large pixel-based displays.

Product

Cisco Wireless LAN Controllers and Access Points

Certification

FIPS 140-2

Agency

Universally applicable for all federal agencies

Details

- Cisco Unified Wireless LAN Controllers and Access Points have received FIPS 140-2 Level 2 validation of its IEEE 802.11i WLAN security architecture and are in process for Common Criteria EAL 2 with conformance to the U.S. government WLAN Access System Protection Profile for Basic Robustness.
- Cisco notes that FIPS certification and compliance with DoD Directive 8100.2 wireless policy provides government customers the ability to use wireless more expansively, including deployment of advanced wireless services such as asset tracking, voice, and security for guest networking.
- The Cisco Wireless Intrusion-Detection System (WIDS) solution with location tracking helps to protect both wired and wireless networks from potential security threats from rogue APs and unauthorized clients within the wireless environment.
- Includes Cisco 4400 Series WLAN Controllers, Cisco 1131AG, 1231AG, 1232AG, 1242AG Access Points, and Cisco Wireless Services Module (WISM).

Product

Unified Contact Center Enterprise 7.0

Certification

CPE

(Grants DoD customers the ability to deploy Cisco Unified Contact Center in conjunction with Cisco CallManager within the Defense Switched Network.)

Agency

Department of Defense (DoD)

Details

- Cisco's call center is the only IP-certified call center solution.
- Powerful, industry leading solution for military bases that can route calls to IT help desks, provide automated FAQs regarding base activities, intelligently route calls to departments within the base medical facilities and, in the event of a threat-level increase, provide pre-recorded announcements at the beginning of every inbound call explaining new base-entry procedures.
 - Certified solution includes Cisco's Interactive Voice Response (IVR) solution that allows agencies to do more with less by providing self-service applications for military personnel and their families, such as medical appointment self scheduling, providing the ability to automatically check lab results, and self-scheduled registration for base activities or classes.

Learn More about Cisco Certifications

For a complete list of Cisco FIPS and Common Criteria certifications, visit www.cisco.com/go/securitycert.

For a comprehensive list of Cisco DoD certifications, visit jitc.fhu.disa.mil/tssi/apl.html.



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