



Cisco International Product Certifications

Types of Certification

There are several certification standards and organizations in the defence 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, defence 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 defence 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

Products

Cisco 7206VXR Router with (Network Processing Engine) NPE-G1, 7206VXR NPE-G2, 7301 with (VPN Acceleration Module) VAM2+, 7206VXR NPE-G2 with (VPN service adapter) VSA, and C7200-JC-PA (jacket card port adapter) on SW (software) version 12.4(11)T1.

Certification

FIPS 140-2 (Lv12)

Agency

National Institute of Standards and Technology (NIST)

Details

View FIPS 140-2 certificate 877 on the Cryptographic Module Validation Program (CMVP) site – <http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/1401val2007.htm>



Cisco Certifications

Product

Cisco Router and Switching Platforms

Certification

IPv6 DoD JITC Certification

Agency

Universally applicable for all defence 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

3750E
4500
6500

Product

Cisco Integrated Services Routers (ISRs)

Certification

Common Criteria EAL 4 rating for Cisco IOS Firewall

Agency

Universally applicable for all defence 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 defence 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.

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 defence 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, ESMTTP, 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 Wireless LAN Controllers and Access Points

Certification

FIPS 140-2

Agency

Universally applicable for all defence 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).

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 jtfc.fhu.disa.mil/tssi/apl.html.



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