



Cisco VoIP Telephony Solution, Version 1.0

Product Description

1. The Cisco Voice Over Internet Protocol (VoIP) Telephony Solution, Version 1.0, provides the technology required to replace a traditional Public Switched Telephone Network (PSTN) with an Internet Protocol (IP) based solution. The product set includes Cisco IP based telephones, Cisco's CallManager (CCM) software, a Cisco Voice Gateway router and Cisco Unity software for voice messaging. The IP phones act in a similar manner to a traditional handset, CCM acts as a call processing agent to provide enterprise telephony features and Cisco Unity, a Windows 2000 based solution, provides voice mail and unified messaging (voice to text) features.

Common Criteria Certification – scope

2. The scope of the Common Criteria (CC) certification included the following functionality:
 - security audit data generation,
 - subset access control,
 - security attribute based access control,
 - user identification before any action,
 - timing of authentication,
 - management of security attributes,
 - management of security function data,
 - security roles, and
 - security function domain separation.
3. The evaluated configuration consisted of:

Component	Hardware Version	Software Version
Cisco IP Telephony	7960G	7.0(2)
Cisco IP Telephony	7970G	6.0(2)
Cisco Call Manager	N/A	4.1(2)
Cisco Unity	N/A	4.0(4)
Cisco Router	2651XM-V	12.3(10)

The following supporting hardware and software were used:

- A Local Area Network, to link the various components of the solution.
- A Cisco MCS7800 rack mounted server for the Cisco CallManager.
- A Cisco MCS7800 rack mounted server for the Cisco Unity.

CallManager and Unity both ran on a Microsoft Windows 2000 server installation, pre-configured by Cisco with the required software. The version number of the Operating System configuration used during evaluation was 2.6sr5, this included Java Runtime 1.4.2-04 and Microsoft SQL server 2000.

Common Criteria Certification – summary

4. The product has met the requirements of the Common Criteria (CC) evaluation assurance level EAL1.

DSD Findings – summary

5. Because the product employs cryptography, DSD performed a cryptographic evaluation in addition to the Common Criteria certification. DSD found that the cryptography employed by the product is only used during the administrator authentication process and therefore the voice data generated by the product is not protected by encryption. As a result, the Cisco VoIP Telephony Solution, Version 1.0, should not be used as a means of providing confidentiality for VoIP traffic.

Contact

6. For further information regarding the certification, cryptographic evaluation or compliance with ACSI 33 please contact DSD on (02) 6265 0197 or email assist@dsd.gov.au

ACSI 33

7. The advice given in this document is in accordance with ACSI 33 release date September 2006. Australian government agencies are reminded to periodically check the latest release date of ACSI 33 at www.dsd.gov.au/library/infosec/acsi33.html.

Consumer Guide

8. This Consumer Guide was issued on 7 February 2007, by DSD.