CCEVS APPROVED ASSURANCE CONTINUITY MAINTENANCE REPORT

ASSURANCE CONTINUITY MAINTENANCE REPORT FOR
Cisco MDS 9000 Family NX-OS 4.1(3a)

Maintenance Update of Cisco MDS 9000 Family SAN-OS 3.2(2c) to NX-OS 4.1(3a)

Maintenance Report Number: CCEVS-VR-VID10015-2009a

Date of Activity: 11 January 2010

References: Common Criteria document CCIMB-2004-02-009 "Assurance Continuity: CCRA Requirements", version 1.0, February 2004;

Impact Analysis Report for Common Criteria Assurance Maintenance Update of Cisco MDS 9000 Family SAN-OS 3.2(2c) to 4.1(3a), Draft Version 0.2, January 4, 2010

Documentation Updated:

- Security Target for Cisco MDS 9000 Family NX-OS Release 4.1(3a), Version 3.1, August 2009

- Cisco Systems, Inc., Cisco MDS 9000 Specific Configuration Items List and Delivery Procedures, Version 0-14, August 2009

- Cisco Systems Inc., Vulnerability Analysis/Strength of Function Analysis for Cisco MDS 9000 Family SAN-OS Release 4.1(3a) Cisco MDS 9000 Family SAN-OS Release 3.2(2c), Version 0-16, August 2009

- Cisco Systems Inc., Impact Analysis Report for Common Criteria Assurance Maintenance Update of Cisco MDS 9000 Family SAN-OS 3.2(2c) to 4.1(3a), Draft Version 0.2, January 4, 2010

- Cisco Systems, Inc., Project MDS9000 EAL 3 Detailed Test Plan, Version 1.8, July 2009

Assurance Continuity Maintenance Report:

SAIC submitted an Impact Analysis Report (IAR) for the Cisco MDS 9000 Family NX-OS Release 4.1(3a), Version 3.1 to CCEVS for approval on September 21, 2009 on behalf of the vendor, Cisco Systems, Inc. The IAR is intended to satisfy requirements outlined in Common Criteria document CCIMB-2004-02-009, "Assurance Continuity: CCRA Requirements", version 1.0, February 2004. In accordance with those requirements, the IAR describes the changes made to the certified TOE, the evidence updated as a result of the changes and the security impact of the changes.

Changes to TOE:

The changes to the product included bug fixes to the software and changes to the ST, Configuration List, Vulnerability Analysis, and Administrator Guidance documents.

The vendor asserted that no major changes were identified.

The changes to the TOE consisted of 268 fixes from MDS 3.2(2c) to MDS 4.1(3a).

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The vendor asserted that the fixes fall into the following categorizations:

- Minor Changes with Little or No Security Relevance (255 changes): These changes may be related to the TSC in some way, though may or may not relate directly to an SFR defined within the ST.

- Minor Changes with Some Security Relevance (13 changes): These changes relate to the TSC in some way though the affect of the change is only to ensure the TOE functions as expected, and does not add or detract from the stated requirements in the ST.

The IAR provided by Cisco indicates that the assurance evidence has been updated to reflect the changes, and appropriate testing of the changed TOE has occurred, including all developer testing.

This version of the TOE does not introduce new security relevant product functionality. However, as with the evaluated version, it excludes security relevant product functionality (see ST pp.18-19) that would be subject to a policy 10/13 review if the TOE was submitted for evaluation rather than assurance continuity.

Conclusion:

CCEVS reviewed the developer description of the changes and the analysis of the impact upon security and found the impact to be minor. Therefore, re-evaluation of the changed TOE is not required.