ASSURANCE CONTINUITY MAINTENANCE REPORT FOR Secure Switching Unit Version D with Firmware Version 4.1

Maintenance Update of Secure Switching Unit Version D with Firmware Version 4.1

Maintenance Report Number: CCEVS-VR-VID10253-2009a

Date of Activity: 17 May 2012

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

DiCon Fiberoptics, Inc. Secure Switching Unit Version E Impact Analysis Report v0.5, May 15, 2012

Documentation Updated: (List all documentation updated)

- Security Target for Secure Switching Unit
- Functional Specification
- Design Documentation
- Test Plan
- Vulnerability Analysis
- Administrative Guidance

Assurance Continuity Maintenance Report:

The vendor for the Secure Switching Unit Version D, DiCon Fiberoptics, Inc., submitted an Impact Analysis Report (IAR) to CCEVS for approval on May 7, 2012. 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 SSU is an all-optical switch unit. Only optical data flows through the SSU. It supports 15 full-duplex, 1x3 fiber optic channels that are used to configure equipment for particular mission needs. The switch configuration is controlled via push buttons on the front panel. Each channel is controlled by a button that cycles thru the 3 possible connections. The LED associated with the current connection is "ON" when the connection is selected. The "RECALL SELECT" and "RECALL STORE" buttons are used to cycle thru the preset configuration modes, the name of which is shown in the SSU's LCD display. Each preset mode controls the switch positions for all 15 channels. Prior to installation of the SSU in its rack, the non-permanent, preset modes may be configured using a RS232 serial console port on the back of the SSU.

The changes to the TOE consisted of a minor change to the configuration modes. In the original evaluation (version D) the TOE supported 5 permanent, predefined modes and 9 programmable modes. For the updated TOE (version E), the 5 permanent modes were changed to programmable for a total of 14

programmable modes. If the switch configurations provided by the previously provided permanent modes are required by the customer, the SSU's programmable presets must be configured using the console port prior to installation of the SSU in the rack. This firmware change provides greater flexibility to the customer. If the SSU is appropriately configured during its installation, the SSU's security functionality will be the same.

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

Conclusion:

CCEVS reviewed the description of the changes and the analysis of the impact upon security, and found it to be minor. Therefore, CCEVS agrees that the original assurance is maintained for the above-cited version of the product.