



2400 Research Blvd, Suite 395  
Rockville, MD 20850  
tel: +1 (703) 375-9820  
info@acumensecurity.net  
www.acumensecurity.net

June 8, 2018

To Whom It May Concern:

Acumen Security verified that the following product faithfully embeds a FIPS 140-2 validated cryptographic module,

- Cisco 3504 Wireless LAN Controller Firmware version 8.5,
- Cisco 5520 Wireless LAN Controller Firmware version 8.5,
- Cisco 8540 Wireless LAN Controller Firmware version 8.5.

During the course of the review, Acumen Security confirmed that the following FIPS 140-2 cryptographic module is incorporated into the product,

- CiscoSSL FIPS Object Module Version: 6.2, FIPS 140-2 certificate #2984

Acumen Security confirmed that the following features leverage the embedded module to provide cryptographic services,

- Encryption associated with the following services:
  - TLS,
  - DTLS,
  - SSH,
  - SNMPv3,
- Hashing associated with the following services:
  - TLS,
  - DTLS
  - SSH,
  - SNMPv3,
  - RADIUS,
  - TACACS+.
- Key Derivation associated with the following services,
  - TLS,
  - DTLS,
  - SSH,
  - SNMPv3.
- Diffie Hellman and Asymmetric Encryption associated with the following services,
  - TLS,
  - DTLS,
  - SSH.

Additionally, Acumen Security confirmed that the above referenced cryptographic module is initialized in a manner consistent with the instructions provided in the non-proprietary Security Policy.

Details of the verification may be obtained from Cisco Systems, Inc. at the request of interested parties. This letter represents the independent opinions of Acumen Security and does not imply endorsement of the product by the CMVP or any other parties.

Sincerely,

A handwritten signature in black ink, appearing to read 'A. Vora', is written over a faint, light-colored signature line.

Ashit Vora  
Laboratory Director