



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

February 7, 2020

Whom It May Concern:

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

- Product Version IOS-XE 16.12

The software version is known to operate on the following hardware platform(s):

- Cisco 9800-40 Wireless Controller
- Cisco 9800-80 Wireless Controller
- Cisco 9800-L Wireless Controller
- VMware ESXi 6.0 running on a UCS C220 M5 with Intel Xeon Platinum 8160M

During the review, Acumen Security confirmed that the following cryptographic module is properly incorporated into the product:

- CiscoSSL FIPS Object Module (Version 7.0a), cert #3341
- IOS Common Cryptographic Module (Version Rel5), cert #2388

Acumen Security confirmed that the following features leverage the embedded cryptographic module to provide cryptographic services for **SSH, TLS, DTLS, IPSec and SNMPv3**.

- Session establishment supporting each service,
- All underlying cryptographic algorithms supporting each services' key derivation functions,
- Hashing for each service.
- Symmetric encryption for each service.

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 'Ashit Vora', with a checkmark below it.

Ashit Vora
Laboratory Director