January 29, 2015

Whom It May Concern:

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

- ESA AsyncOS 9.0

The software is known to operate on the following platforms

- Cisco Email Security Appliance C170
- Cisco Email Security Appliance C370
- Cisco Email Security Appliance C670
- Cisco Email Security Appliance X1070
- Cisco Email Security Appliance X1070F
- Cisco Email Security Appliance C190
- Cisco Email Security Appliance C390

- Cisco Email Security Appliance C690
- Cisco Email Security Appliance C380
- Cisco Email Security Appliance C680
- Cisco Email Security Appliance C100V
- Cisco Email Security Appliance C300V
- Cisco Email Security Appliance C600V

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

- Cisco Common Cryptographic Module (C3M) version 0.9.8r.1.1 – Cert. #1643

As part of this review, the software was tested on the following platforms:

- Cisco Email Security Appliance C370

Acumen Security confirmed that the following features leverage the embedded cryptographic module to provide cryptographic services for *TLS/HTTPS* and *SSH/SCP*:

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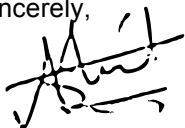4. Symmetric encryption for each service

Acumen Security confirmed that the following features leverage the embedded cryptographic module to provide cryptographic services for *DKIM*:

1. Asymmetric authentication,
2. Hashing/Keyed Hashing.

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,

Ashit Vora
Laboratory Director