January 27, 2020

To Whom It May Concern:

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

- Cisco Integrated Service Router (ISR) 900 IOS 15.8M
- Cisco Embedded Services Routers (ESR) 5900 Series IOS 15.8M
- Cisco Industrial Integrated Services Routers (IR) 829 Series IOS 15.8M
- Cisco Industrial Integrated Services Routers (IR) 809 IOS 15.8M
- Cisco Industrial Integrated Services Routers (IR) 807 IOS 15.8M
- Cisco Connected Grid Router (CGR) 2010 IOS 15.8

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

- IOS Common Cryptographic Module (IC2M) Rel5 – Cert #2388

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

Feature	Cryptographic Service
IKE/IPsec SNMPv3 SSH TLS TLS(HTTPS)	• Session establishment supporting each service, • All underlying cryptographic algorithms supporting each services' key derivation functions, • Hashing for each service, • Symmetric encryption for each service.
Encrypted Passwords	• Symmetric encryption
RADIUS TACACS BGP IKE/IPsec OSPF NTP IS-IS	• Session establishment supporting each service, • All underlying cryptographic algorithms supporting each services' key derivation functions, • Hashing for each service, • Symmetric encryption for each service. When transmitted through an IKE/IPsec tunnel.

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