

2400 Research Blvd, Suite 395 Rockville, MD 20850

tel: +1 (703) 375-9820 info@acumensecurity.net www.acumensecurity.net

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Whom It May Concern:

Acumen Security verified that the following product faithfully embeds a FIPS 140-2 validated cryptographic module, Cisco IOS-XE version 16.9

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

Cloud Services Router (CSR) 1000V, version IOS XE 16.9

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

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.

Ashit Vora

Laboratory Director Acumen Security