



August 1, 2024

To Whom It May Concern

A compliance review of IOS XR version 7.11 ("the Product") deployed in the following platforms:

- Cisco ASR 9000 Series Routers

was completed and found that the Product incorporates the following FIPS 140-3 validated cryptographic module:

- Cisco FIPS Object Module version 7.3a (Certificate #4747)  
<https://csrc.nist.gov/projects/cryptographic-module-validation-program/certificate/4747>

Cisco confirms that the cryptographic module listed above provides cryptographic services for the following as applicable:

- SSHv2
- SNMPv3
- TLS v1.2

The review/testing confirmed that:

1. The cryptographic module (mentioned above) does initialize in a manner that is compliant with its Security Policy.
2. All applicable cryptographic algorithms used for session establishment are handled within the cryptographic module.
3. All applicable underlying cryptographic algorithms support each service's key derivation function.

This letter has been generated in accordance with guidance provided by the Cryptographic Module Validation Program (CMVP) (<https://csrc.nist.gov/Projects/cryptographic-module-validation-program/validated-modules>). In general, a letter will not be generated for subsequent software releases unless a change has been made to the cryptographic module(s) noted in this letter.

The CMVP has not independently reviewed this analysis, testing or the results.

Any questions regarding these statements may be directed via e-mail to the Cisco Global Certification Team (GCT) at [certteam@cisco.com](mailto:certteam@cisco.com).

Sincerely,

A handwritten signature in black ink that reads "Edward D Paradise".

Ed Paradise  
Cisco Senior Vice President  
Foundational & Government Security