### TPM-based Network Device Remote Integrity Verification (RIV) draft-ietf-rats-tpm-based-network-device-attest-04

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# Purpose & Scope (recap)

- Context
  - Remote Attestation of **network equipment devices** can assure administrators of the integrity of software and configuration of their devices.
  - Adding Remote Attestation as standardized procedures significantly reduces the threshold of adoption.
- Contribution
  - The RIV draft specifies those procedures



WG Last Call closed Oct 12, 2020 with comments from seven reviewers

## Relationship to other RATS drafts

RATS Language	Routers / Switches	
<ul> <li><u>draft-ietf-rats-architecture</u></li> <li>Terminology</li> <li>Topological models</li> <li>Timing definitions</li> </ul>	ProfileInterface Specificationdraft-ietf-rats-tpm-based-network- device-attestDefines operational pre-requisites for• Use caseDefines operational pre-requisites for• Operational prerequisitesdraft-ietf-rats-yang-tpm-charra • YANG definitions & RPCs for Attester	
Enables WG discussi via shared context	Evidence evaluation     Attestation Evidence via Telemetry	otion
<u>draft-ietf-rats-</u> <u>reference-interaction-</u> <u>models</u> • Interaction models	Peer Router Appraisal • Trustworthiness Vector • Stamped Passport definition	nal)

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#### Issues Addressed

#### Overall document:

- Addressed about 700 lines of comments from WGLC from seven reviewers
- Mostly clarifications and adjustments to infelicitous wording
- Expect -05 version soon

### Still To-Be-Fixed

• New Definitions! (aligned with RATS Arch)



Endorser – signs identity and attestation

certificates

Reference Value Provider – signs Reference Values

Reference Integrity Measurements Golden Values Golden Measurements Known Good Values



• Finish Editing

#### • Any other questions / concerns ?