

# Using Netconf Pub/Sub Model for RATS Interaction Procedure

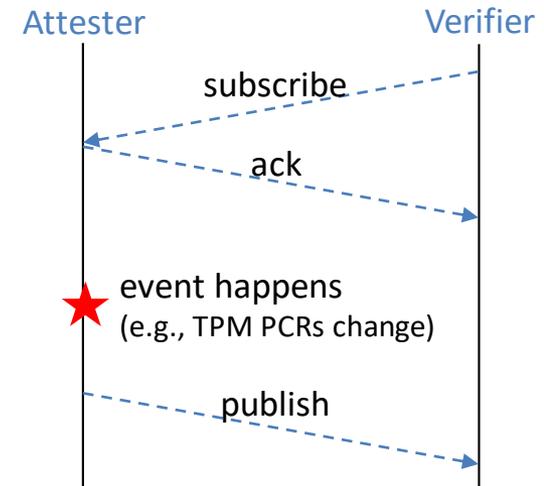
<https://datatracker.ietf.org/doc/draft-xia-rats-pubsub-model/>

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# Recall

- Use NETCONF Pub/Sub mechanisms
  - Verifier **Subscribes** to event stream from Attester
  - Attester **Records** happened event
  - Attester **Publishes** event record to Verifier
- Suitable use cases
  - On-change RA, 1:N or N:M relationship, medium or large network...
  - A Verifier needs to continuously and timely appraisal the Attester (draft-voit-rats-trusted-path-routing)
- Benefits
  - Inherited from YANG Pub/Sub & YANG Push mechanism
  - Flexibility, Efficiency, Scalability, Filtering capability, etc.



# Key Points

- Scope of this document
  - Suitable for TPM-based network devices
  - Based on draft-ietf-rats-yang-tpm-charra
- Modules which need to be further detailedly defined
  - Event Streams Definition
  - Subscription Definition
  - Notification Definition
  - Filter Definition
  - Event Configuration Definition
- Freshness
  - Time-based mechanisms to ensure freshness, such as TUDA
  - Nonce + periodic notification
  - .....

# Next Steps

- Update the draft, define detail modules
- More reviews, comments

**Thank you!**