Applicability & Manageability Considerations for SCONE

draft-mishra-scone-applicability-manageablity-03

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A&M Draft: Timelines & Progression

- **IETF 122:** Submitted and presented the Usecase & Requirements draft in March at Bangkok. **Feedback:**
  - Remove Requirements from the document
  - Open issues on SCONE GitHub on the Requirements (if applicable to SCONE protocol)
  - Shift focus to Applicability & Manageability Considerations

- **IETF 123:** Presented the -00 version of the Applicability and Manageability draft in July at Madrid
  - Incorporating feedback from IETF 122

- **September 13:** Draft -01 submitted
  - Presented at the Interim on Sep 17th

- **Call for Adoption:** The Chairs called for adoption on Sep. 18th to Oct. 2nd
  - **List Feedback:** Significant feedback was received on the mailing list, including support for adoption, viewing the draft as a good starting point

- **September 30:** Draft -02 submitted incorporating feedback on the list

https://github.com/smishra1200/SCONE-Use-Case/branches

A&M Draft Timelines & Progression

- **Adoption Call Extended:**
  - The Chairs extended the call for adoption from October 2nd through October 16th
- **Open issues**
  - Best summarized by Brian Trammell in his email dated September 23rd

https://github.com/smishra1200/SCONE-Use-Case/branches

Brian's email* sums it all

…Both Martin and Lucas raise an issue that Tianji spoke to in the interim meeting:

- a document that is focused on another SDO's stack (3GPP) for a single technology (5G) is probably not fulfilling our charter milestone to produce a generalized applicability and manageability document for SCONE.
- One concrete suggestion that seemed reasonable to me (IIRC this was Tianji's) would be to
  - split the current structure of the document into general guidelines (or principles therefor),
  - with additional sections on how to implement those guidelines in various network architectures….

*https://mailarchive.ietf.org/arch/browse/scone/; Date: Tue, 23 September 2025 12:02 UTC

Applicability & Manageability -03 (Oct 20’25)

- The submission of Draft -03 incorporated the action plan specified in Brian's email and addressed all outstanding feedback at the time
- **Key Updates in Draft -03**
  - **Normative Text: Removed** all normative text
  - **Structure/Scope:**
    - Added a **Generic Applicability & Manageability** section
    - Created **individual sections** focused on specific access technology
  - **Content:**
    - Completed Initial A&M for a **Mobile 5G use case**
- **Next Steps (TBD):** The rest of the access-specific A&M sections **are pending** and **require input from the Working Group (WG)**.

Access Network Architecture and 3GPP Reference

- The inclusion of 3GPP-specific details in this draft serves to clarify the boundary between IETF protocols and 3GPP specifications. Since SCONE signaling is carried over the existing, standardized data path as IP traffic
- The 3GPP material is therefore presented as the justification of IETF protocol deployment over a 3GPP-defined data path, validating SCONE compliance without requiring any cross-SDO coordination or changes to 3GPP standards
  - Demonstrate to Network Operators that this implementation do not require changes to their deployed 3GPP-compliant signaling plane or interfaces

Feedback on Call for Adoption

- **Support for Adoption**
  - Network operators (AT&T, Comcast, China Mobile, Hughes Network Systems, Vodafone, Verizon)
  - Network vendors (Ericsson, Nokia)
  - Content Publisher (Meta, TikTok)
  - CDN (Cloudflare, Fastly)
- **Opposed to Adoption**
  - None

Next Steps?

- Complete Working Group Adoption
- Additional edits have been made after-03 submission
  - Editorial updates throughout
  - Picked up additional feedback on the list

Thanks for all the suggestions and comments