

NASR Side Meeting

Opening

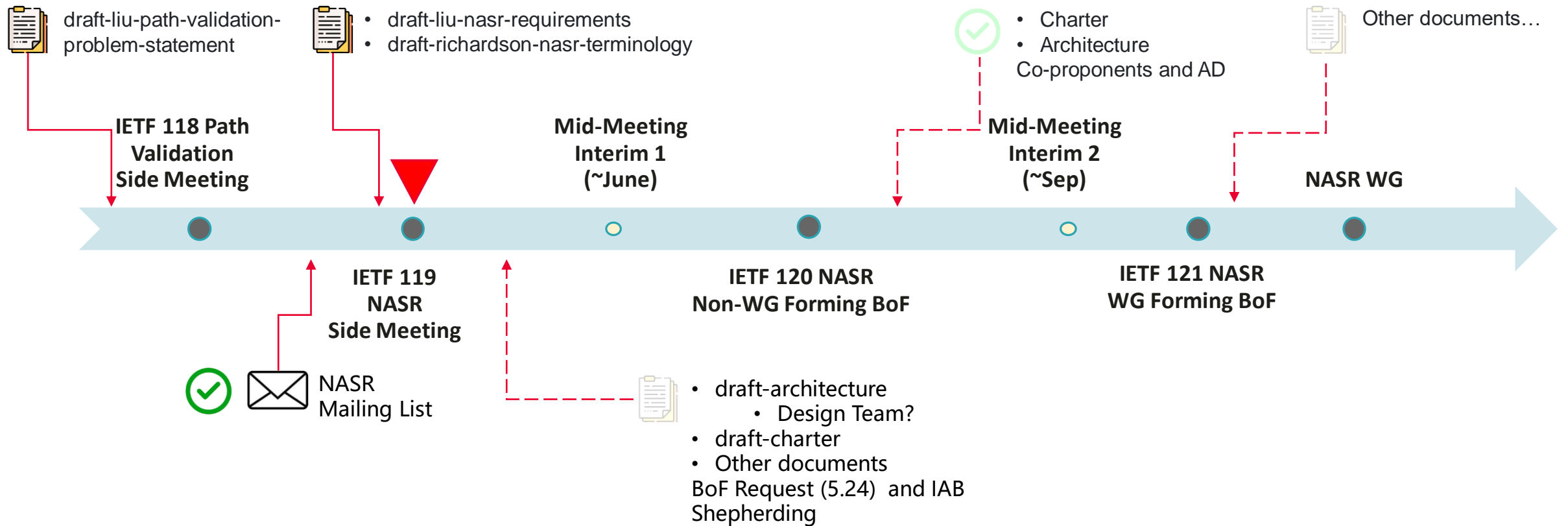
IETF 119

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Before Started

- Can we agree on goals for this meeting?
 - Summarize past NASR list discussions and align consensus
 - Align key information and documents that facilitate the next successful BoF and formation of NASR WG
- Can we agree on non-goals for this meeting?
 - Do not discuss non-relevant topics that may deviate from the purpose of facilitating a successful BoF
- Trivia
 - IETF Note Well
 - We are being recorded— if you object, please volunteer to take minutes!

Timeline



Documents Status

- draft-richardson-nasr-terminology-00
- draft-liu-nasr-requirements-01
- draft-liu-path-validation-problem-statement-00

Terminology Status

- draft-richardson-nasr-terminology-00
 - **Secure routing (NASR Goal):**
 - Protect data security by ensuring data transits only on trusted devices, trusted operating environments or trusted services.
 - **Routing Security:**
 - Achieving correct reachability within and across networks by ensuring authentic and truthful distribution of routing information
 - **Proof of Transit:**
 - Secure and verifiable logs or evidence of a packet's transit path in the data plane.
- draft-liu-nasr-requirements-01
 - See the scope next page

Current Scope

- **NASR Goal:** Protect data security by ensuring data transits only on trusted devices, trusted operating environments or trusted services.
- **NASR:** Establish a level of confidence in the trustworthiness of the routing path by appraisal, attestation and verification.

Step 1: What to attest

- How: Connect and consume RATS outputs (and other security proofs) to commit to a path
- [PS] Path-level trust attribute definition
- [PS] Secure configurations
- [I] Path trustworthiness appraisal methods, trust levels
- ...

Step 2: How to attest

- How: Dedicated OAM dial-test protocol, output attestation result/proof
- [PS] TPR+POT
- [PS] Attestation Result Format
- [I] Architecture, procedures
- ...

Step 3: How to verify

- How: In-band or out-of-band verification of compliance
- [I] Proof-of-Transit
- [PS] Management plane protocol data field extension
- [PS] in-situ OAM data field extension
- [BCP] Ingress/ Egress Filtering
- ...

Agenda

- Opening, List Discussion Recap – Huawei (5 min)
- Current Scope—CMCC (10 min)
- Proposed Architecture – Telefonica (15 min)
- Trusted Enhanced Path Routing— Pengcheng Lab (10min)
- POT Mechanisms Survey/Benchmark— Huawei France (10 min)

- QA, Open Discussion, Related Pointers (30 min)
- Wrap up, Next Steps

Opening ends

Q&A and Discussion:

The floor is open for discussion.

Questions

Question 1: Do you agree on the current goal of NASR?

- Protect data security by ensuring data transits only on trusted devices, trusted operating environments or trusted services.

Question 2: Do you agree on the current 3-stage scopes and directions? Any comments?

Question 3: Do you agree our next steps should include:

- Establish **design team** for architecture and charter
- One **interim meeting** to review architecture and charter

Question 4: Who will volunteer to join the NASR-architecture design team? Frequency? Who will join the interim meeting?

Question 5: Any other pointers? Related documents from other SDOs?

Don't forget to subscribe to NASR Mailing List!