

Network Management Operations (nmop) WG – Session 1

IETF 124, Nov 3rd, 2025

WG Chairs: B. Claise, R. Rahman

This session is being recorded

Note Well

By participating in the IETF you agree to follow IETF processes and policies. This Note Well is a reminder of some of those policies. For a linked version of this text, please visit www.ietf.org/note-well or use the QR code below.

- IETF participants are expected to behave in a professional manner and extend respect and courtesy to their colleagues at all times (see *RFC 7154: IETF Guidelines for Conduct and IETF Anti-Harassment Policy*). If you have any concerns about behavior, please contact the *Ombudsteam* who have a duty of confidentiality and extensive powers to act, as set out in *RFC 7776: IETF Anti-Harassment Procedures*.
- If you are aware that any IETF contribution (as defined in *RFC 5378: Rights Contributors Provide to the IETF Trust*) is covered by patents or patent applications that are owned or controlled by you, your employer or your sponsor, you must disclose that fact, or not participate in the discussion (see *RFC 8179: Intellectual Property Rights in IETF Technology*).
- For detailed process information consult *RFC 2026: Internet Standards Process* and *RFC 2418: IETF Working Group Guidelines and Procedures* and updates to those.
- The IETF routinely makes public written, audio, video, and photographic records of IETF activities, including your personal information as set out in the *IETF Privacy Statement*.



For advice, please talk to Working Group chairs or Area Directors.

Note Really Well

- IETF meetings, virtual meetings, and mailing lists are intended for professional collaboration and networking, as defined in the IETF Guidelines for Conduct (RFC 7154), the IETF Anti-Harassment Policy, and the IETF Anti-Harassment Procedures (RFC 7776). If you have any concerns about observed behavior, please talk to the Ombudsteam, who are available if you need confidentiality to raise concerns confident about harassment or other conduct in the IETF.
- The IETF strives to create and maintain an environment in which people of many different backgrounds and identities are treated with dignity, decency, and respect. Those who participate in the IETF are expected to behave according to professional standards and demonstrate appropriate workplace behavior.
- IETF participants must not engage in harassment while at IETF meetings, virtual meetings, social events, or on mailing lists. Harassment is unwelcome hostile or intimidating behavior—in particular, speech or behavior that is aggressive or intimidates.
- If you believe you have been harassed, notice that someone else is being harassed, or have any other concerns, you are encouraged to raise your concern in confidence with one of the Ombudspersons.

IETF 124 Meeting Tips

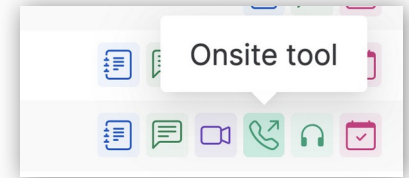
This session is being recorded

In-person participants

- Make sure to sign into the session via Datatracker or the QR Code in this session.
- Use Meetecho (usually the “Meetecho lite”) client to:
 - join the mic queue
 - participate in shows of hands
- *Keep audio and video off if not using the onsite version.*

Remote participants

- Make sure your audio and video are off unless you are chairing or presenting during a session.
- Use of a headset is strongly recommended.



Agenda: Session 1

Slot	Project Topic	Presenters
14:30-14:35	Agenda Bashing & Introduction	Chairs
14:35-14:50 P1	YANG-Push to Message Broker Integration	Thomas Graf
14:50-15:00 P1	Validate Network Telemetry Messages Implementations	Yannick Buchs
15:00-15:10 P2	YANG data model for Network Incident Management	Qin Wu
15:10-15:20 P3	SIMAP concept	Olga Havel
15:20-15:35 P4	RFC 3535 20 years later	Luis Contreras
15:35-15:55 P1	YANG Message Keys for message broker integration	Thomas Graf
15:55-16:05 P2	AI-based Network Management Agent	Xing Zhao
16:05-16:15 P3	Model for distributed authorization policy sharing	Lucia Cabanillas
16:15-16:20	Generalized capability principles	Nigel Davis
16:20-16:25	Graph based meta schema	Wim Henderickx
16:25-16:30	Open	All

Document Status

Document	Date	Status
Active Internet-Drafts (8 hits)		
draft-ietf-nmop-message-broker-telemetry-message-03 Extensible YANG Model for Network Telemetry Messages	27 pages 2025-10-20	I-D Exists WG Document Review: yangdoctors Early
draft-ietf-nmop-yang-message-broker-integration-09 An Architecture for YANG-Push to Message Broker Integration	25 pages 2025-10-20	I-D Exists WG Document : Informational May 2024, Sep 2025
draft-ietf-nmop-simap-concept-07 SIMAP: Concept, Requirements, and Use Cases	36 pages 2025-10-18	I-D Exists WG Document : Informational Jun 2025
draft-ietf-nmop-rfc3535-20years-later-01 An Update of Operators Requirements on Network Management Protocols and Modelling	39 pages 2025-10-15	I-D Exists WG Document
draft-ietf-nmop-network-incident-yang-06 A YANG Data Model for Network Incident Management	50 pages 2025-10-12	I-D Exists WG Document : Proposed Standard May 2024, Dec 2025
draft-ietf-nmop-network-anomaly-architecture-05 A Framework for a Network Anomaly Detection Architecture	20 pages 2025-09-06	I-D Exists WG Document : Informational Sep 2024, Dec 2025
draft-ietf-nmop-network-anomaly-lifecycle-03 An Experiment: Network Anomaly Lifecycle	27 pages 2025-05-08	I-D Exists WG Document Dec 2025
draft-ietf-nmop-network-anomaly-antics-03 Semantic Metadata Annotation for Network Anomaly Detection	38 pages 2025-05-08	I-D Exists WG Document Dec 2025
Active with the IESG Internet-Draft (1 hit)		
draft-ietf-nmop-terminology-23 Some Key Terms for Network Fault and Problem Management	17 pages 2025-08-18	RFC Ed Queue : EDIT 63 Submitted to IESG for Publication : Informational Reviews: artart artart IETF Last Call lotdir IETF Last Call secdir IETF Last Call genart IETF Last Call genart Early intdir Early lotdir Early rtgdir Early secdir Early opsdir Early Jun 2024, Dec 2025

WGLC after this IETF

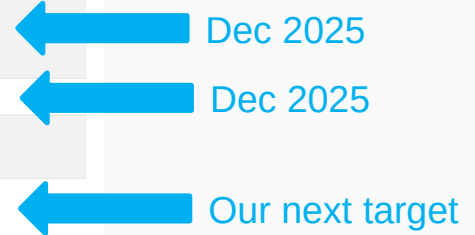
Adopted since IETF 123

RFC Editor Queue

Milestones

Milestones

Date	Milestone	Associated documents
Dec 2025	Submit Network Anomaly Management to the IESG	draft-ietf-nmop-network-anomaly-architecture draft-ietf-nmop-network-anomaly-semantic draft-ietf-nmop-network-anomaly-lifecycle
Dec 2025	Submit Network Incident Management to the IESG	draft-ietf-nmop-network-incident-yang
Sep 2025	Submit Architecture for YANG-Push to Message Broker Integration to the IESG	draft-ietf-nmop-yang-message-broker-integration
Jun 2025	Submit "Digital Map: Concept, Requirements, and Use Cases" to the IESG	draft-ietf-nmop-simap-concept



Done milestones

Date	Milestone	Associated documents
Done	Submit NMOP Terminology to the IESG	draft-ietf-nmop-terminology
Done	Adopt a document on network anomaly management	draft-ietf-nmop-network-anomaly-architecture
Done	Adopt a terminology document for anomaly and incident management	draft-ietf-nmop-terminology
Done	Adopt a document on network incident management	draft-ietf-nmop-network-incident-yang
Done	Adopt a document describing how to integrate YANG Push with Apache Kafka	draft-ietf-nmop-yang-message-broker-integration

Interim Meetings: Past & Future

No interim meeting since the last IETF

- Believe it's the first time
- Last interim meeting was in May, about knowledge graph

- *Drop us an email if you have comments/suggestions about future interims*

Knowledge Graph design team

- With authors of the 3 different knowledge graph drafts: Nacho Dominguez Martinez-Casanueva, Dan Voyer, Lionel Tailhardat, Pauline Folz, Thomas Graf, Michael Mackey, Raphaël Troncy, Benoît Claise
- Under Reshad's supervision

Liaison Statements

Liaison Statement IN

Liaison Statement OUT