Network Management Operations (nmop) WG

March 17, 2025

WG Chairs: M. Boucadair, B. Claise, R. Rahman

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Internet Engineering Task Force
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- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
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IETF 122 Meeting Tips

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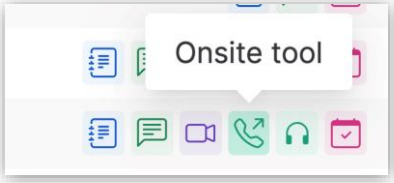

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- Use of a headset is strongly recommended.

Agenda

Slot	Project	Topic	Presenters
09:30-09:40		Agenda Bashing & Introduction	Chairs
09:40-09:50		Updates from the Terminology Fairy	Adrian
09:50-10:20	P3	SIMAP	Olga
10:20-10:35	P1	Message Broker	Ahmed
10:35-10:55	P2	Incident Management YANG Module	Qin
10:55-11:25	P2	Bring Your Own Outage: Deutsche Telekom	Holger
10:55-11:25	P2	Bring Your Own Outage: Swisscom	Thomas
11:25-11:30		Wrap-up	Chairs

Documents Status

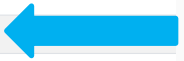
draft-ietf-nmop-network-anomaly-lifecycle-02 **An Experiment: Network Anomaly Lifecycle**	23 pages	2025-03-03 New	I-D Exists WG Document Dec 2025
draft-ietf-nmop-network-anomaly-semantics-02 **Semantic Metadata Annotation for Network Anomaly Detection**	21 pages	2025-03-03 New	I-D Exists WG Document Dec 2025
draft-ietf-nmop-simap-concept-03 **SIMAP: Concept, Requirements, and Use Cases**	33 pages	2025-03-03 New	I-D Exists WG Document : Informational Jun 2025
draft-ietf-nmop-yang-message-broker-integration-07 **An Architecture for YANG-Push to Message Broker Integration**	26 pages	2025-03-03 New	I-D Exists WG Document : Informational May 2024, Sep 2025
draft-ietf-nmop-terminology-12 **Some Key Terms for Network Fault and Problem Management**	15 pages	2025-02-22 New	I-D Exists In WG Last Call : Informational Reviews: iotdir LC, secdir LC, genart LC, genart Early, intdir Early, iotdir Early, rtgdir Early, secdir Early, opsdir Early, opsdir LC Jun 2024, Dec 2025
draft-ietf-nmop-network-incident-yang-03 **A YANG Data Model for Network Incident Management**	43 pages	2025-02-19	I-D Exists WG Document : Proposed Standard May 2024, Dec 2025
draft-ietf-nmop-network-anomaly-architecture-01 **An Architecture for a Network Anomaly Detection Framework**	19 pages	2024-10-20	I-D Exists WG Document : Informational Sep 2024, Dec 2025

Milestones: On Track!

Milestones

Search

Date	Milestone	Associated documents
Dec 2025	Submit NMOP Terminology to the IESG	draft-ietf-nmop-terminology
Dec 2025	Submit Network Anomaly Management to the IESG	draft-ietf-nmop-network-anomaly-architecture draft-ietf-nmop-network-anomaly-semantics 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



Our next target

Done milestones

Date	Milestone	Associated documents
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	draft-ietf-nmop-yang-message-broker-integration

Interim Meetings: Past & Future

interim-2025-nmop-02	2025-02-26 10:00-11:30 CET
interim-2025-nmop-01	2025-02-14 10:30-12:30 CET
interim-2025-netconf-02	2025-02-10 16:00-18:00 CET

Cooperation with BBF

SIMAP

Joint with Netconf WG (Message Broker)

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

Liaison Statements

LSes Out

- IETF NMOP LS to BBF on “Automated Intelligent Management (AIM), WT-508: Broadband Network Data Collection (BNDC)” (12/24)
- IETF NMOP LS to TMF on "Some Key Terms for Network Fault and Problem Management“ (01/25)

LSes In

- Response to IETF NMOP on “Automated Intelligent Management (AIM)and Broadband Network Data Collection (BNDC)” (01/25)

Cooperation with SDOs

- SIMAP
  - **IWON**: Follow-up to the meeting (Benoît)
  - **3GPP**: Link to the ongoing NDT and network topology work in 3GPP SA5 (Med)
  - **ETSI**: TC Data has been formally approved. First meeting planned for mid April and beginning of July (Diego)

- Message Broker
  - **BBF**: Thomas to report on the BBF Spring meeting

Misc.

- Given the various Knowledge Graph (KG) related I-Ds out there, the discussion on the mailing list, presentations in previous interim,
  - ***Is the WG interested to organize a dedicated interim on KG?***

- Open Mic