

# Network Management Operations (nmop) WG

March 17, 2025

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

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# Note Well

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- [BCP 9](#) (Internet Standards Process)
- [BCP 25](#) (Working Group processes)
- [BCP 25](#) (Anti-Harassment Procedures)
- [BCP 54](#) (Code of Conduct)
- [BCP 78](#) (Copyright)
- [BCP 79](#) (Patents, Participation)
- <https://www.ietf.org/privacy-policy/>(Privacy Policy)



# Note Really Well

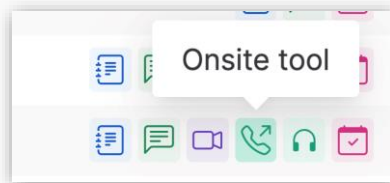
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# IETF 122 Meeting Tips

## 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

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

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

Adopted  
since  
IETF#121

# Milestones: On Track!

## Milestones

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

← Our next target

## Done milestones

Date	Milestone	Associated documents
Done	Adopt a document on network anomaly management	<a href="#">draft-ietf-nmop-network-anomaly-architecture</a>
Done	Adopt a terminology document for anomaly and incident management	<a href="#">draft-ietf-nmop-terminology</a>
Done	Adopt a document on network incident management	<a href="#">draft-ietf-nmop-network-incident-yang</a>
Done	Adopt a document describing how to integrate YANG Push with Apache	<a href="#">draft-ietf-nmop-yang-message-broker-integration</a>

# Interim Meetings: Past & Future

interim-2025-nmop-02	2025-02-26 10:00-11:30 CET	←	Cooperation with BBF
interim-2025-nmop-01	2025-02-14 10:30-12:30 CET	←	SIMAP
interim-2025-netconf-02	2025-02-10 16:00-18:00 CET	←	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/"Network Topology Data" in 3GPP SA5 (Med)
  - **ETSI**: TC Data (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