Network Management Operations (nmop) WG – Session 1

IETF 126, July 20th, 2026

WG Chairs: B. Claise, R. Rahman

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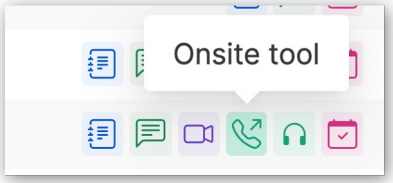


Remote participants

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

Notetaker

- We need a volunteer for notetaking.
- https://notes.ietf.org/notes-ietf-126-nmop

Welcome to our new secretaries!

- Welcome to **Lucia Cabanillas Rodriguez** and **Jéferson Campos Nobre**!
- Our thanks to **Thomas Graf** our departing secretary.

Agenda: Session 1

Slot	Project	Topic	Presenters
09:00-09:10		Agenda Bashing & Introduction	Chairs
09:10-09:25	P1	YANG-Push to Message Broker Integration	Thomas Graf
09:25-09:35	P1	YANG Message Keys for Message Broker Integration	Ahmed Elhassany
09:35-09:45	P2	YANG data model for Network Incident Management	Qin Wu
09:45-09:55	P2	Network Anomaly Detection	Thomas Graf
09:55-10:05	P3	SIMAP YANG (based on RFC8345)	Olga Havel
10:05-10:15	P3	SIMAP YANG (based on RFC8795)	Italo Busi
10:15-10:30	P3	SIMAP YANG discussions	Chairs/All
10:30-10:40		NMRG and NMOP	Jeferson Nobre
10:40-10:50	P3	BMP YANG Model for Network Telemetry Messages	Leonardo Rodoni
10:50-11:00		Model for distributed authorization policy sharing	Lucia Cabanillas

Document Status

Document		Date	Status
Active Internet-Drafts (8 hits)			
draft-ietf-nmop-network-anomaly-architecture-08 **A Framework for a Network Anomaly Detection Architecture**	21 pages	2026-07-06 New	I-D Exists WG Document : Informational Sep 2024, Dec 2025
draft-ietf-nmop-network-anomaly-lifecycle-06 **An Experiment: Network Anomaly Detection Lifecycle**	29 pages	2026-07-06 New	I-D Exists WG Document Dec 2025
draft-ietf-nmop-network-anomaly-semantics-06 **Semantic Metadata Annotation for Network Anomaly Detection**	52 pages	2026-07-06 New	I-D Exists WG Document Dec 2025
draft-ietf-nmop-network-incident-yang-10 **A YANG Data Model for Network Incident Management**	66 pages	2026-07-05 New	I-D Exists WG Document : Proposed Standard May 2024, Dec 2025
draft-ietf-nmop-yang-message-broker-integration-13 **An Architecture for YANG-Push to Message Broker Integration**	29 pages	2026-07-02 New	I-D Exists WG Document : Informational May 2024, Sep 2025
draft-ietf-nmop-yang-message-broker-message-key-02 **YANG Message Keys for Message Broker Integration**	31 pages	2026-07-02 New	I-D Exists WG Document
draft-ietf-nmop-rfc3535-20years-later-04 **An Update of Operators Requirements on Network Management Protocols and Modelling**	29 pages	2026-05-05	I-D Exists WG Document
draft-ietf-nmop-message-broker-telemetry-message-04 **Extensible YANG Model for Network Telemetry Messages**	30 pages	2026-01-18 Expires soon	I-D Exists WG Document Review: yangdoctor
Active with the IESG Internet-Draft (1 hit)			
draft-ietf-nmop-simap-concept-12 **SIMAP: Concept, Requirements, and Use Cases**	42 pages	2026-06-19	Expert Review 19 Submitted to IESG for Publication : Informational Reviews: opsdir IETF Last Call secdir IETF Last Call genart IETF Last Call Jun 2025 Action Holder: Mahesh Jethanandani
RFC (1 hit)			
RFC 9940 **Some Key Terms for Network Fault and Problem Management**	14 pages	2026-04	Informational RFC

Cleared AD review

Our first RFC!

Milestones

Milestones

Date	Milestone	Associated documents
Jun 2025	Submit "Digital Map: Concept, Requirements, and Use Cases" to the IESG	draft-ietf-nmop-simap-concept
Sep 2025	Submit Architecture for YANG-Push to Message Broker Integration to the IESG	draft-ietf-nmop-yang-message-broker-integration
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

Soon

??? (next slides)

??? (next slides)

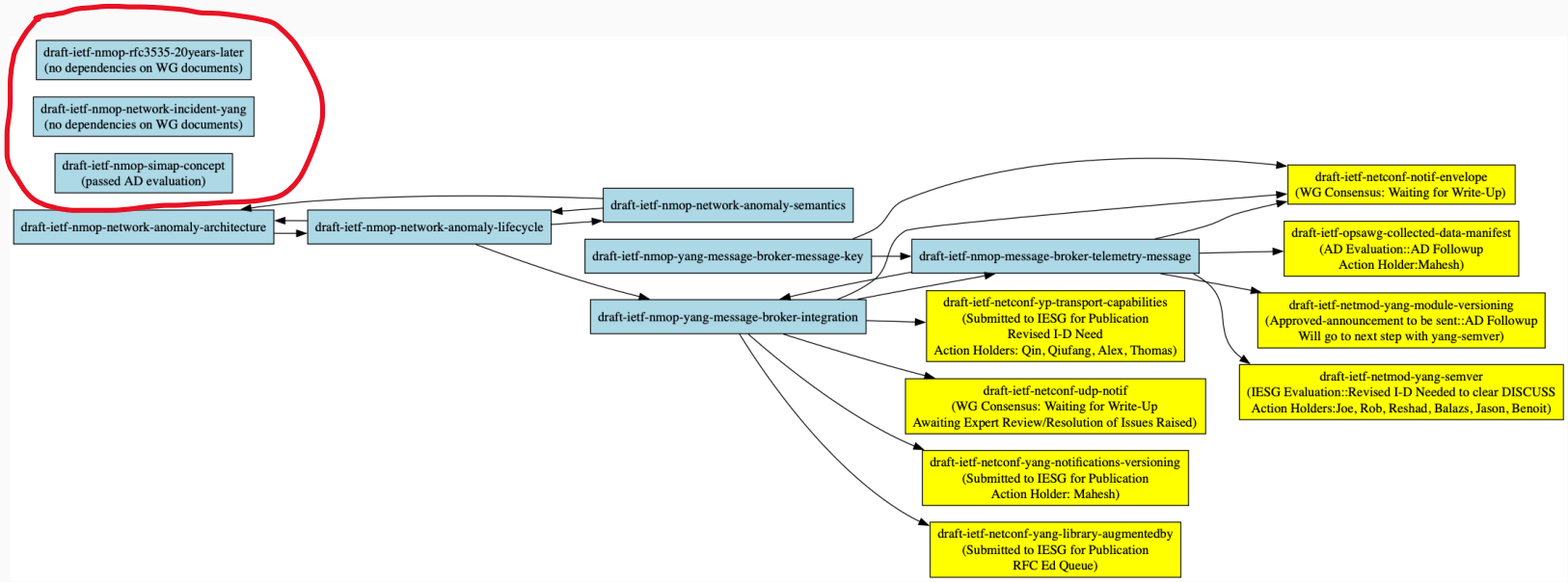
November 2026

Done milestones

Search

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 describing how to integrate YANG Push with Apache Kafka	draft-ietf-nmop-yang-message-broker-integration
Done	Adopt a document on network incident management	draft-ietf-nmop-network-incident-yang

Document Dependencies (normative references)



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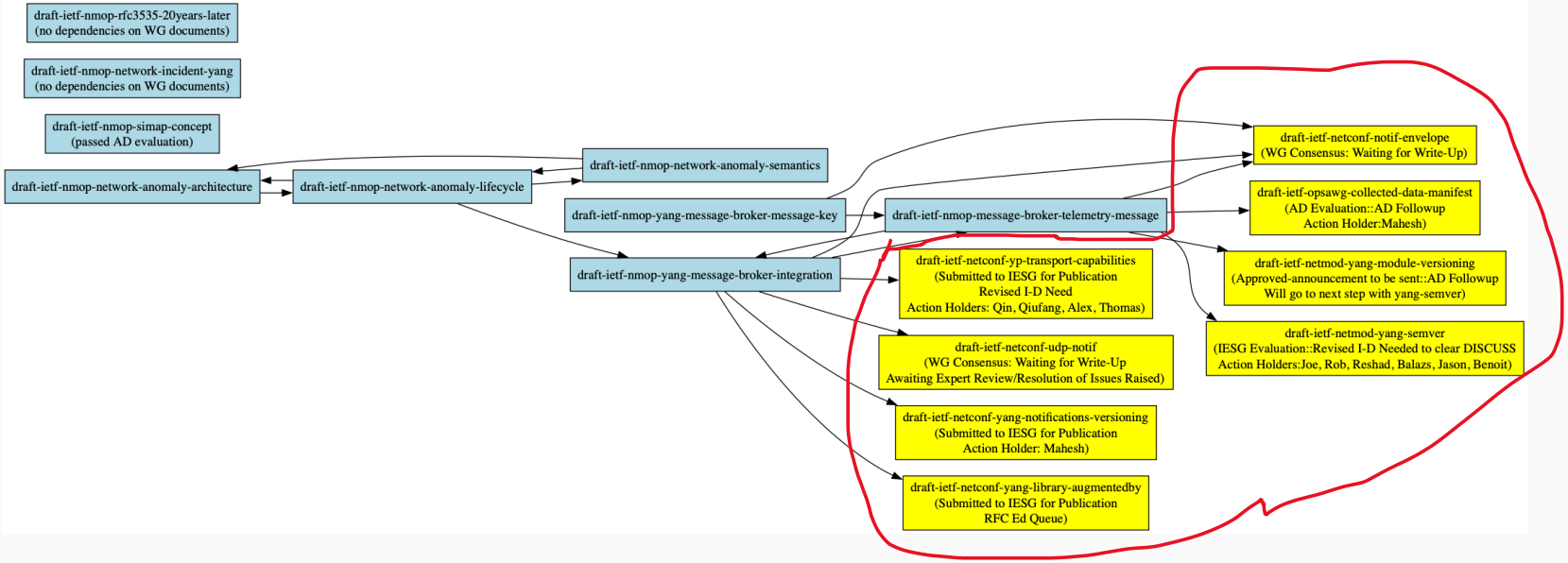

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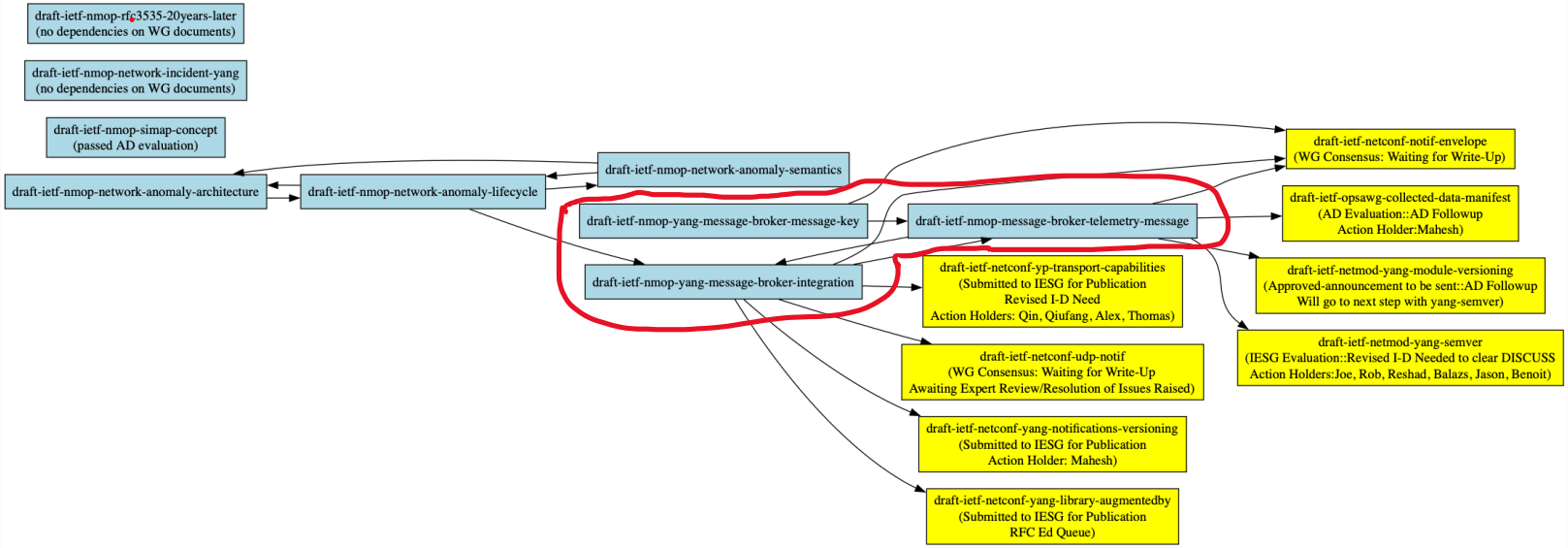

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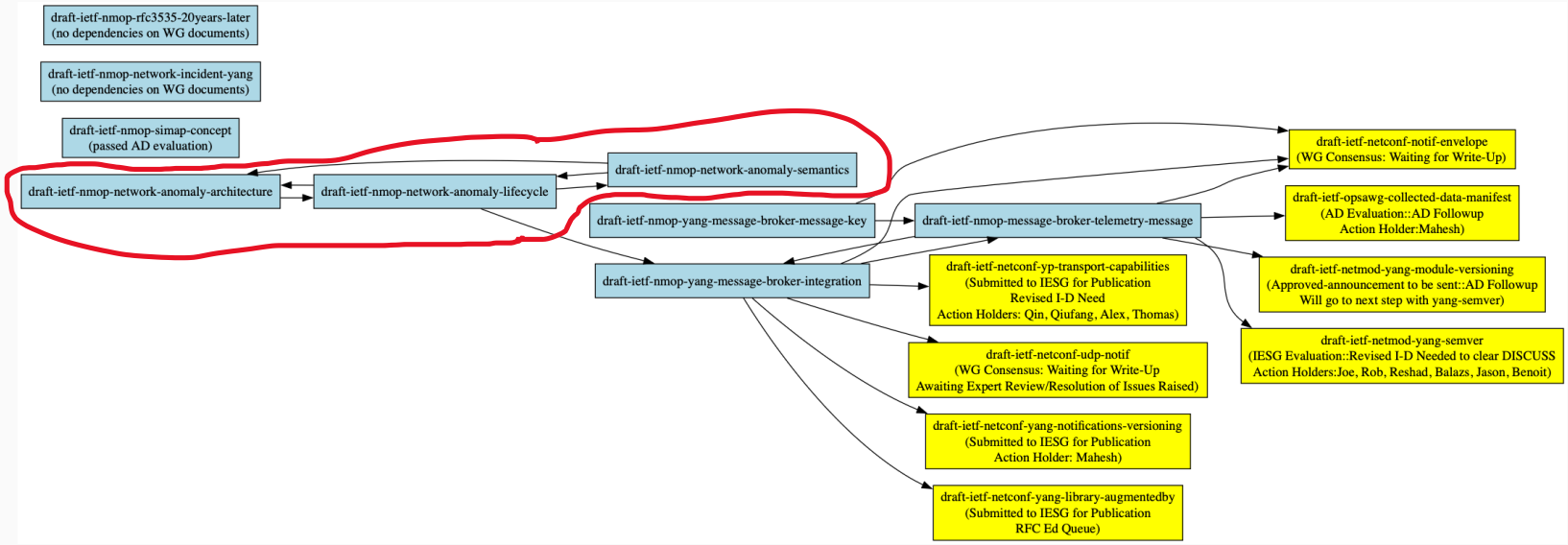

Survey responses

- Very interested in the “NETCONF/YANG Push integration with Apache Kafka and TSDB” work. Kudos for the focus on running code.
- More work to do on Binary YANG Push (e.g. SID file management)
- Suggestion to update charter for “AI for network management automation and related operational issues” e.g. management agent architecture etc