

# Network Management Operations (nmop) WG

March 18, 2024

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# Note Really Well

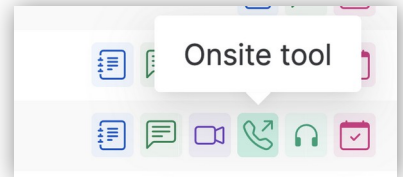
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  - participate in shows of hands
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- Make sure your audio and video are off unless you are chairing or presenting during a session.
- Use of a headset is strongly recommended.

# Agenda

Slot	Topic	Presenter
13:00 - 13:05	Agenda Bashing & Introduction	Chairs
13:05 - 13:10	A Word from the AD	Rob
13:10 - 13:25	NETCONF/YANG Push Integration	Thomas
13:25 - 13:50	Anomaly Detection	Thomas/Vincenzo
13:50 - 14:15	Incident Management	Qin/Nigel
14:15 - 14:40	Issues Related to Deployment/Usage of YANG Topology Modules	Oscar/Olga
14:40 - 14:55	Collecting Updated Operator Requirements for IETF Network Management Solutions	Luis
14:55 - 15:00	Wrap-up	

# A Word from the AD

- Rob

# Initial WG Priorities: Reminder

- The current topics of focus for the working group are:
  - NETCONF/YANG Push integration with Apache Kafka & time series databases (P1)
  - Anomaly detection (P2.A) and incident management (P2.B)
  - Issues related to deployment/usage of YANG topology modules (e.g., to model a Digital Map) (P3)
  - Consider/plan an approach for updating RFC 3535-bis (collecting updated operator requirements for IETF network management solutions) (P4)

# Priority I

## NETCONF/YANG Push Integration (15 min)

Goals:

- Clarify the problem to be solved (Highlight main integration concerns/missing pieces)
- Describe the dependencies, status, and next steps

## An Architecture for YANG Push to Apache Kafka Integration (10 min)

- I-D: [draft-netana-nmop-yang-kafka-integration](#)
- Presenter: Thomas Graf (onsite)

Q&A (5 min)



# Priority II.A

## Anomaly Detection (25 min)

Goal:

- Clarify the problem to be solved

## Experiment Semantic Metadata Annotation for Network Anomaly Detection + Network Anomaly Postmortem Lifecycle (15 min)

- I-Ds: [draft-netana-nmop-network-anomaly-semantics](#) & [draft-netana-nmop-network-anomaly-lifecycle](#)
- Presenters: Thomas Graf (onsite) and/or Vincenzo Riccobene (remote)

Q&A (10 min)

# Priority II.B

## Incident Management (25 min)

Goals:

- Clarify the problem to be solved (network, service, etc.)
- Clarify how this effort fits within the overall SDO ecosystem
- Agree on required actions to ensure this effort is useful for operators + a SDO coordination is in place early in the process

## Incident Management for Network Services (10 min)

- I-D: [draft-feng-nmop-incident-management](#)
- Presenter: Qin Wu

## Common vocabulary for incident management (5 min)

- I-D: [draft-davis-nmop-incident-terminology](#)
- Presenter: Nigel Davis (onsite)/Adrian Farrel (remote)

Q&A (10 min)

# Priority III

## Issues Related to Deployment/Usage of YANG Topology Modules (25 min)

Goals:

- Clarify the problem to be solved
- Next step: how to structure this work?

## Problem Space and Modeling Issue of the Digital Space (15 min)

- I-Ds: [draft-ogondio-nmop-isis-topology](#) & [draft-havel-nmop-digital-map](#)
- Presenters: Oscar Gonzalez de Dios (remote) & Olga Havel (remote)
- Slot: 15 min

Q&A (10 min)

# Priority IV

## Collecting Updated Operator Requirements for IETF Network Management Solutions (15 min)

Goals:

- Explain the rationale for this work
- How to collect operator requirements?

## An Update of Operators Requirements on Network Management Protocols and Modelling (10 min)

- I-D: [draft-boucadair-nmop-rfc3535-20years-later](#)
- Presenter: Luis Miguel CONTRERAS MURILLO

Q&A (5 min)

# Misc