

06 November 2024

# IETF 121 Joint OPS Area and OPSAWG Meeting

This session is being recorded

# Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- [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

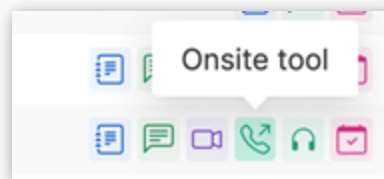
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- If you believe you have been harassed, notice that someone else is being harassed, or have any other concerns, you are encouraged to raise your concern in confidence with one of the Ombudspersons.

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# IETF 121 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.

# Resources for IETF 121 Dublin

- Agenda  
<https://datatracker.ietf.org/meeting/agenda>
- Meetecho and other information:  
<https://www.ietf.org/how/meetings/preparation>
- If you need technical assistance, see the Reporting Issues page:  
<http://www.ietf.org/how/meetings/issues/>

# Welcome to OPSAWG

- **Chairs**

- Joe Clarke <[jclarke@cisco.com](mailto:jclarke@cisco.com)>
- Benoît Claise <[benoit.claise@huawei.com](mailto:benoit.claise@huawei.com)> ← This guy is new!
  - **Note: Thank you Henk Birkholz for your service**

- **Jabber Scribe**

- [opsawg@ietf.jabber.org](mailto:opsawg@ietf.jabber.org)

- **Minutes**

- <https://notes.ietf.org/notes-ietf-121-opsawg>

- **Meeting Materials**

- <https://datatracker.ietf.org/meeting/121/session/opsawg>

- **Chatroom**

- <https://zulip.ietf.org/#narrow/stream/opsawg>

- **Meetecho**

- <https://meetings.conf.meetecho.com/ietf121/?session=33379>

# Call For Volunteers

- **Act as a document shepherd**
  - See <https://chairs.ietf.org/en/documents/document-shepherding>
  - Let the chairs know at any point after adoption if you're interested.
- **Join the OPS Directorate**
  - See <https://datatracker.ietf.org/group/opsdir/about/>
  - Review drafts with an operator mindset
  - See more of the IETF 😊
  - Let the ADs know if you're interested

# WG Status

- **RFC Published**
  - RFC 9632 – Finding and Using Geofeed Data
- **RFC Queue**
  - draft-ietf-opsawg-mud-iot-dns-considerations
  - draft-ietf-opsawg-mud-tls
  - draft-ietf-opsawg-ipfix-fixes
  - draft-ietf-opsawg-ipfix-tcpo-v6eh
  - draft-ietf-opsawg-tsvwg-udp-ipfix (MISSREF)
- **Submitted to IESG for Publication**
  - draft-ietf-opsawg-ac-lxsm-lxnm-glue (awaiting AD)
  - draft-ietf-opsawg-teas-attachment-circuit (revised I-D needed)
  - draft-ietf-opsawg-ntw-attachment-circuit (revised I-D needed)
  - draft-ietf-opsawg-teas-common-ac (revised I-D needed)
- **12 WG Drafts**
  - See <https://datatracker.ietf.org/wg/opsawg/documents/>

Great progress since  
the last IETF meeting!



# Charter Update

- The OPSAWG charter needs a clean up
  - Still mentions MIB
  - The currently active OPSAWG work items mostly fall under the following topics: => this list is not up to date
- Future MUD work will be done in IOTOPS
  - However, existing MUD work in OPSAWG will be finished here

# WG Status: TACACS

- draft-ietf-opsawg-tacacs-tls13
  - New revision pending to finalize issues
  - Alan had additional feedback but overall thought changes thus far looked good
  - New WG LC to happen when next revision is published

# WG Status: IPFIX Alternate-Marking IEs

[draft-ietf-opsawg-ipfix-alt-mark](#) requests IANA to create a new "**IPFIX Alternate-Marking**" registry and specifies new IEs.

- The -01 version addresses the comments from Med Boucadair and, in particular, clarifies the operation mode:
  - With AltMark (RFC9341, RFC9342), each node must export telemetry data at each period for the monitored flow. It is needed a combination of already existing IEs and new IEs:
    - The existing IEs for the flow identification are: **source address**, **destination address**, **protocol** and **ports**.
    - The new IEs to complete the information to export, as per RFC9343, are:
      - **FlowMonID** (flow monitoring identifier)
      - **L flag** (Loss flag)
      - **D flag** (Delay flag)
      - **Period Number** (AltMark period ID)

Next steps will be to move it forward together with the companion documents in IPPM (e.g. [draft-ietf-ippm-alt-mark-deployment](#), [draft-ydt-ippm-alt-mark-yang](#))

# OPSAWG Agenda

- **Administrivia - scribes, minutes, etc.**
  - Joe / Benoît
  - 10 min
- **PCAP Document Status**
  - <https://datatracker.ietf.org/doc/draft-ietf-opsawg-pcaplinktype/>
  - <https://datatracker.ietf.org/doc/draft-ietf-opsawg-pcap/>
  - <https://datatracker.ietf.org/doc/draft-ietf-opsawg-pcapng/>
  - Michael Richardson
  - 5 min
- **An Information Model for Packet Discard Reporting**
  - <https://datatracker.ietf.org/doc/draft-ietf-opsawg-discardmodel/>
  - John Evans
  - 10 min
- **A Data Manifest for Contextualized Telemetry Data**
  - <https://datatracker.ietf.org/doc/draft-ietf-opsawg-collected-data-manifest/>
  - Jean Quilbeuf
  - 10 min

# OPSAWG Agenda - 2

- **Export of GTP-U Information in IP Flow Information Export (IPFIX)**

- <https://datatracker.ietf.org/doc/draft-ietf-opsawg-ipfix-gtpu/>
- Dan Voyer
- 5 min

== End Adopted Work ==

- **A YANG Data Model for Network Diagnosis using Scheduled Sequences of OAM Tests**

- <https://datatracker.ietf.org/doc/draft-contreras-opsawg-scheduling-oam-tests/>
- Victor López or Luis Contreras
- 10 min

- **Publishing End-Site Prefix Lengths**

- <https://datatracker.ietf.org/doc/draft-gasser-opsawg-prefix-lengths/>
- Randy Bush
- 10 min

# OPSAWG Agenda - 3

- **SAV-based Anti-DDoS Architecture**

- <https://datatracker.ietf.org/doc/draft-cui-savnet-anti-ddos/>
- Mingzhe Xing
- 10 min

- **A YANG Data Model for Network Element Threat Surface Management & YANG Data Models for Security Configuration Check**

- <https://datatracker.ietf.org/doc/draft-hu-opsawg-network-element-tsm-yang/>
- <https://datatracker.ietf.org/doc/draft-hu-opsawg-sec-config-yang/>
- Liang Xia
- 10 min

- **Joint Exposure of Network and Compute Information for Infrastructure-Aware Service Deployment**

- <https://datatracker.ietf.org/doc/draft-rcr-opsawg-operational-compute-metrics/>
- Jordi Ros or Luis Contreras
- 10 min

# OPSAWG Agenda -4

- **Intent-Based Security Management Automation for Cloud-Based Security Services & COIN**
  - <https://datatracker.ietf.org/doc/draft-jeong-opsawg-security-management-automation/>
  - <https://datatracker.ietf.org/doc/draft-lingga-opsawg-analytics-interface-dm/00/>
  - <https://datatracker.ietf.org/doc/draft-jeong-opsawg-i2inf-problem-statement/>
  - <https://datatracker.ietf.org/doc/draft-jeong-opsawg-i2inf-framework/>
  - Jaehoon Paul Jeong
  - 10 min

# OPS Area

- **Administrivia - scribes, minutes, etc.**
  - Warren/Mahesh
  - 5 minutes
- **NEMOPS Workshop (news from LACNOG, NANOG, RIPE)**
  - Warren Kumari, Benoît Claise, Kent Watsen
  - 15 min
- **Open Mic**