

DetNet WG

IETF 115

London

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Online Agenda and Slides at:

<https://datatracker.ietf.org/meeting/115/session/detnet>

WG Information: <https://datatracker.ietf.org/wg/detnet/>

This session is being recorded



I E T F®

IETF 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.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (<https://www.ietf.org/contact/ombudsteam>) if you have questions or concerns about this.

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)

Also see: <http://www.ietf.org/about/note-well.html>

IETF Conduct Guidelines

- The IESG has asked all chairs to remind their working groups of the need for appropriate behavior. This is described in more detail in BCP 54. In summary:
 1. IETF participants extend respect and courtesy to their colleagues at all times.
 2. IETF participants have impersonal discussions.
 3. IETF participants devise solutions for the global Internet that meet the needs of diverse technical and operational environments.
 4. Individuals are prepared to contribute to the ongoing work of the group.

IETF 115 Meeting Tips



- **In-person participants**

- Make sure to sign into the session using the Meetecho (usually the on-site “Meetecho lite” client) from the Datatracker agenda
- Use Meetecho to join the mic queue
- *Keep audio and video off if not using the onsite version*
- **Wear masks**

- **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

Meeting Administrivia

- Meetecho
 - Using meetecho queue control
 - Chat/Jabber available for use
 - Blue sheets
- Note taking
 - <https://notes.ietf.org/notes-ietf-115-detnet?both>
 - Please help with minute taking (only discussion needs to be captured)
- Online Agenda and Slides at:
<https://datatracker.ietf.org/meeting/115/session/detnet>
- Data tracker: <http://datatracker.ietf.org/wg/detnet/>
- Jabber: xmpp:detnet@jabber.ietf.org?join

IETF 115 Sessions

- Monday, November 7, 2022 - Session II
 - 13:00 - 15:00 (GMT/UTC)
 - [Richmond 4](#)

- Joint Session with PALS and MPLS –
Wednesday, November 9, 2022 - Session I
 - 9:30 - 11:30 (GMT/UTC)
 - [Richmond 2](#)

Agenda

- **#1 13:00 10 min Title: Intro, WG Status, Draft Status**
 - Presenter: Chairs
- **#2 13:10 10 min Title: LS on 3GPP 5G System acting as a Detnet node**
 - Presenter: Laurent Thiebaut
- **#3 13:20 10 min Title: Update on OAM Documents**
 - Presenter: Greg Mirsky
- **#4 13:30 5 min Title: Deterministic Networking (DetNet) Controller Plane Framework**
 - Presenter: Geng Xuesong
- **#5 13:35 5 min Title: Deterministic Networking (DetNet): DetNet PREOF via MPLS over UDP/IP**
 - Presenter: Balázs Varga
- **#6 13:40 5 min Title: Deterministic Networking (DetNet): Packet Ordering Function**
 - Presenter: Balázs Varga
- **#7 13:45 10 min Title: Requirements of large-scale deterministic network**
 - Presenter: Peng Liu
- **#8 14:55 9 min Title: DetNet Data Plane Enhancements for Large-Scale Deterministic Networks**
 - Presenter: Quan Xiong
- **#9 14:04 9 min Title: Asynchronous Deterministic Networking Framework for Large-Scale Networks**
 - Presenter: Jinoon Joung
- **#10 14:13 9 min Title: DetNet Data Plane - TCQF for bounded latency with low jitter in large scale DetNets**
 - Presenter: Toerless Eckert
- **#11 14:22 9 min Title: DetNet Enhanced Data Plane**
 - Presenter: Li Zhang
- **#12 14:31 9 min Title: Deadline Based Deterministic Forwarding**
 - Presenter: Shaofu Peng
- **#13 14:40 9 min Title: MPLS Sub-Stack Encapsulation for Deterministic Latency Action**
 - Presenter: Xueyan Song
- **#14 14:49 9 min Title: YANG Data Model for DetNet Mapping with Network Slice**
 - Presenter: Xueyan Song

WG Status

- Publication requested
 - [draft-ietf-detnet-bounded-latency-10](#) <== RFC Editor Queue, **Auth-48**
DetNet Bounded Latency
 - [draft-ietf-detnet-yang-16](#) <== Publication Requested (with AD)
Deterministic Networking (DetNet) YANG Model
 - [draft-ietf-detnet-oam-framework-07](#) <== Publication Requested (with AD)
Framework of Operations, Administration and Maintenance (OAM) for Deterministic Networking (DetNet)
- Post WG Last Call
 - [draft-ietf-detnet-mpls-oam-08](#) <== WG LC Comments (with Authors)
Operations, Administration and Maintenance (OAM) for Deterministic Networks (DetNet) with MPLS Data Plane
- In WG last call
 - None <== Early RTG-Dir reviews here
- Recent adoption
 - [draft-ietf-detnet-pof-00](#)
Deterministic Networking (DetNet): Packet Ordering Function
- Candidate for adoption
 - [draft-liu-detnet-large-scale-requirements-05](#)
Requirements for Large-Scale Deterministic Networks



Liaisons and Communications

- Received:
 - From: 3GPP SA WG2
<https://datatracker.ietf.org/liaison/1800/>
 - Received: 2022-10-25
 - Subject: *LS on 3GPP 5G System acting as a Detnet node*

 - *To be discussed later in this meeting*

Reminder: IPR Disclosure Process

- We follow process put in place in other groups as a result of very late IPR disclosures
 - This is not a required IETF process

- Includes

Polling of draft authors & contributors:

1. Prior to moving to next step in WG process
 - a. Before an individual draft becomes a WG document and
 - b. Before a WG document goes to last call
2. Requires IPR compliance statement from ***all*** listed in draft
3. Request that an IPR statement be sent to the list by any new author or contributor when added to a WG document

Progressing Work

- Utilize the mailing list!
 - Working Group consensus is determined on the mailing list
 - Mailing list is to be used for WG decision making and discussions
 - Resolving open issues
 - Reviewing changes to WG documents
 - Introducing new drafts
 - Potential new Working Group topics
- Virtual meetings
 - Virtual interims can be scheduled as needed
 - Periodically, or as needed to cover a specific topic **<==** WG members can make requests to chairs
- Informal (working) meetings
 - WG WebEx is available **<==** WG members can make requests to chairs/secretary
 - These meetings will be announced on the WG list