

IETF 121 CCAMP

08 November 2024, Dublin

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.

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)

IETF conduct guidelines

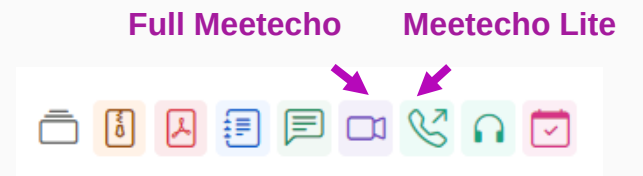
- The IESG has asked all chairs to remind their working groups of the need for appropriate behavior. This is described in more detail in BCP 54. In summary:
 1. IETF participants extend respect and courtesy to their colleagues at all times.
 2. IETF participants have impersonal discussions.
 3. IETF 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 121 Meeting Tips

This session is being recorded

In-person participants

- Make sure to sign into the session using the Meetecho (usually the “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*



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

Administrative

◆ Meetecho

<https://www.conf.meetecho.com/conference/?group=ccamp>

Meetecho and other information:

<https://www.ietf.org/how/meetings/technology/meetecho-guide-participant/>

◆ Participant view of controls and tabs

General session controls appear in the middle of the top window.



From left-to right (Meetecho provides tool tips as you roll over various controls):

- Chat
- Show of hands tool
- Event “map” showing other sessions underway
- Recording indicator
- Room name
- Shared session note taking tool
- Transcription
- Meetings materials

Left-to-right:

- Send/stop audio
- Send/stop video
- Request to share screen
- Share preloaded slides
- Raise hand (enter queue)



Administrative

- Minute takers
 - <https://notes.ietf.org/notes-ietf-121-ccamp>
 - Anyone helps taking the minutes would be much appreciated.
- Bluesheets
 - Will be automatically generated based on your datatracker information so there is no need to do anything further after you've authenticated with the IETF Datatracker to join the session.
- Reminder IPR Process:
 - Polling of draft authors & contributors
 - Prior to moving to next step in WG process (e.g., before an individual draft becomes a WG document or a WG document goes to last call)
 - Requires IPR compliance statement from all listed in draft

Session

- **Date:** November 08, 2024
- **Meeting Room:** Liffey Hall 1
- **Meeting Time:** 9:30 AM (Local), Friday
- **Duration:** 120 Minutes

- Details: <https://datatracker.ietf.org/doc/agenda-121-ccamp/>

Agenda

CCAMP working group agenda - IETF 121
Friday, November 8th, 2024
9:30-11:30 (Meeting time) - Room Liffey Hall 1

Presentation	Start Time	Duration	Information
0	9:30	15	Title: Administrivia - WG Status - Reporting on WG drafts not being presented - Milestones Update - Charter Update Presenter: Chairs
1	9:45	10	Title: A YANG model to manage the optical interface parameters for an external transponder in a WDM network Draft: https://datatracker.ietf.org/doc/draft-ietf-ccamp-dwdm-if-param-yang/ Presenter: Gabriele Galimberti
2	9:55	10	Title: A YANG Data Model for WDM Tunnels Draft: https://datatracker.ietf.org/doc/draft-ietf-ccamp-wdm-tunnel-yang/ Presenter: Aihua Guo
3	10:05	15	Title: Modelling of Optical Pluggables in Packet Over Optical Network Draft: https://datatracker.ietf.org/doc/draft-rokui-ccamp-actn-wdm-pluggable-modelling/ Presenter: Reza Rokui
4	10:20	10	Title: YANG Data Models for fine grain Optical Transport Network Draft: https://datatracker.ietf.org/doc/draft-tan-ccamp-fgotn-yang/ Presenter: Yanxia Tan
5	10:30	10	Title: Applicability of GMPLS for fine grain Optical Transport Network Draft: https://datatracker.ietf.org/doc/draft-lin-ccamp-gmpls-fgotn-applicability/ Presenter: Yi Lin
6	10:40	10	Title: A YANG data model of Performance Management Streaming Draft: https://datatracker.ietf.org/doc/draft-yoon-ccamp-pm-streaming/ Presenter: Bin Yeong Yoon
7	10:50	10	Title: AI based Network Management Agent(NMA): Concepts and Architecture Draft: https://datatracker.ietf.org/doc/draft-zhao-nmop-network-management-agent/ Presenter: Xing Zhao
Adjourn	11:00		

Reminder - Utilizing Mailing List

- We strongly encourage the mailing list to be more actively used for all Working Group discussions
 - Weekly Call Summary
 - Open issues
 - Introducing new drafts
 - Potential new Working Group topics
- Reminder – Working Group Consensus is determined on the mailing list
- Future meeting time will be scheduled relative to mailing list discussion

Reminder - IPR Process

- Polling of draft authors & contributors
 - Prior to moving to next step in WG process
 - e.g., before an individual draft becomes a WG document or a WG document goes to last call
 - Requires IPR compliance statement from **all** listed in draft

CCAMP Working Group Status

Chairs:

Daniele Ceccarelli <dceccare@cisco.com>

Fatai Zhang <zhangfatai@huawei.com>

Luis Contreras <luismiguel.contrerasmurillo@telefonica.com>

Secretary:

Haomian Zheng <zhenghaomian@huawei.com>

Responsible AD:

John Scudder <jgs@juniper.net>



I E T F[®]

Document Status – RFCs

- Recent RFCs:

- RFC 9656, “A YANG Data Model for Microwave Topology”

- RFC Editor’s Queue:

- draft-ietf-ccamp-layer1-types-18 (RFC Ed Queue : MISSREF)

- draft-ietf-ccamp-l1csm-yang-26 (RFC Ed Queue : MISSREF)

- IESG processing

- draft-ietf-ccamp-otn-topo-yang-19 (IESG Evaluation::Revised I-D Needed)

draft-ietf-ccamp-optical-impairment-topology-yang

- Very good level of maturity
 - topology exposure with sufficiently detailed optical features to guarantee optical compatibility and to facilitate optical path computation
- All the use cases can be supported with the assumption that in optical compatibility implicitly implies also client compatibility
- We have a couple of limitations :
 - homogeneous muxponders □ interoperability between muxponder of different versions
 - No control/visibility at which layer regeneration is performed (e.g. ODU or OTU layer) since we do not have client information before setting up a tunnel.
- These limitations are not considered blocking point and can be handled by an update to the RFCs at later stage

draft-ietf-ccamp-optical-impairment-topology-yang

We would like ITU-T to review the draft, 2 options:

- 1. Liaison – takes too long, we want to do WG last call in November/December
- 2. Present the draft at an ITU-T interim meeting (Dec 2-6 – Italo participating?) or Cross SDO virtual meetings (18 Dec or 8 January).
- Preferred option is ITU-T interim meeting.
- IPR polling already started this week.
- Haomian will be shepherd (and collect ITU-T feedbacks).

Document Status – WG Drafts on Agenda

- draft-ietf-ccamp-dwdm-if-param-yang
- draft-ietf-ccamp-wdm-tunnel-yang

Document Status – WG Drafts Not on Agenda

- draft-ietf-ccamp-yang-otn-slicing

- Update: None

- Next step: Resolve the dependency to I-D draft-liu-teas-transport-network-slice-yang, which is currently undergoing TEAS WG pre-adoption process

- draft-ietf-ccamp-eth-client-te-topo-yang

- Updates: No updates

- Next steps

- Align with Packet TE Topology

- Align with the other topology models to support multi-layer single-instance topology

- Align with updates to the client-signal model

- Complete the model description

Document Status – WG Drafts Not on Agenda

- No major updates for
 - draft-ietf-ccamp-otn-path-computation-yang (last version 2024-10-21)
 - draft-ietf-ccamp-optical-path-computation-yang (last version 2024-08-29)
 - draft-ietf-ccamp-otn-tunnel-model (last version 2024-06-06)
 - draft-ietf-ccamp-dwdm-if-imp (last version 2024-01-23)
 - draft-ietf-ccamp-client-signal-yang (last version 2024-08-01)
 - draft-ietf-ccamp-flexe-yang-cm (expired)
 - draft-ietf-ccamp-tsvmode-signaling (expired)
 - draft-ietf-ccamp-if-ref-topo-yang (expired)
 - draft-ietf-ccamp-bwa-topo-yang (expired)

Liaison Statements

- ETSI-ISG-F5G, «LSout to IETF on the Optical Cloud Networks (OCN)»
<https://datatracker.ietf.org/liaison/1963/>
- ITU-T-SG-13, «LS on initiation of two new Recommendations ITU-T Y.NGNe-cp_mobility: “Mobility management and control framework in NGN evolution control plane” and ITU-T Y.NGNe-cp_na: “Network attachment control framework in NGN evolution control plane”», <https://datatracker.ietf.org/liaison/1960/>
- ITU-T-SG-15, «LS on IM/DM modelling coordination»,
<https://datatracker.ietf.org/liaison/1937/>
- ITU-T-SG-15, «LS on OTNT Standardization Work Plan Issue 34»,
<https://datatracker.ietf.org/liaison/1936/>

Periodic calls

- Active calls (weekly or bi-weekly)
 - Flexi grid
 - Microwave
 - OTN slicing
 - Optical pluggables
 - Service path computation
 - Optical impairment topology
 - Transport NBI

Plans for next meetings

- No CCAMP meeting in IETF 122 ...
- ... But, two interim meetings instead
 - interim-2025-ccamp-01, focus on pluggable and WDM documents
 - 2025-02-17 14:00-15:30 WET
 - interim-2025-ccamp-03, focus on OTN documents
 - 2025-04-10 15:00-16:30 WEST

**THANK
YOU!**