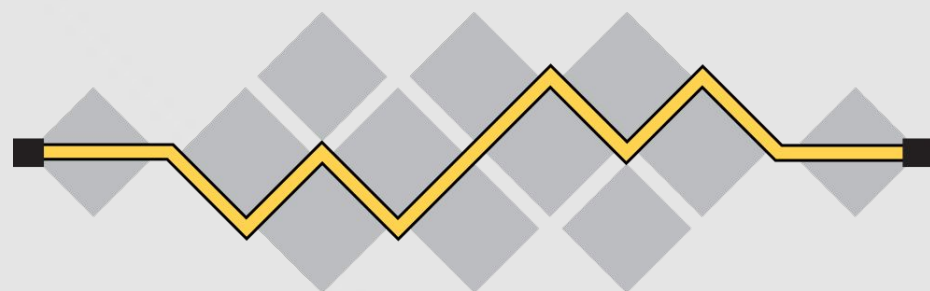


Internet Engineering Task Force

New Participants' Overview (@ IETF 116)



I E T F[®]

Making the Internet work better

New Participant's Overview Presentation

1. Overview of the IETF
2. Introduction to an IETF meeting week
3. Overview of resources (people, tools, information)
4. New Participant Activities at IETF 116

Scope: Overview of the IETF

This part of the presentation includes:

- General information about the IETF and overview of the organization structure
- Information immediately useful to you as you attend your first(ish) IETF meeting and strategies to make the most of the meeting (in person or remote)
- Different roles people have in leadership and support, overview of tools used
- Events at IETF 116

This presentation does not include information about:

- The history of the IETF;
- How to write a “standard”; and many many other things...

Meeting Housekeeping

- Notewell
- Attendance
- Asking Questions
- Covid guidelines

IETF Note Well

<https://www.ietf.org/about/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.

IETF Note Well (cont.)

<https://www.ietf.org/about/note-well/>

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)
- [Privacy Policy](#)

Tracking attendance at the IETF Meeting

- At each Working Group session there is a QR code to scan
- This helps keep track of who attended which meetings
- For those of you who haven't done so yet, please scan the QR code
- If you have any questions or had problems with this process, check with a staff member after this meeting.



How to ask a question during the meeting

- Use Meetecho or Meetecho Lite
- Put yourself in the queue
- In Person vs. Remote
- At the microphone you state your name

Covid Guidelines

- The IETF is trying very hard to make this a safe environment for participants so that we can continue to meet in person.
 - Masks
 - Testing
 - Pins to indicate what type of greeting is ok (no contact, elbow tap, hug)

See <https://www.ietf.org/how/meetings/116/faq/#covidmeasures> for more information.

New Participants' Overview Presentation

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IETF

Mission

Make the Internet work better by producing high quality, relevant technical documents that influence the way people design, use, and manage the Internet.

[RFC 3935]



Making the Internet work better



Everyone may participate



Make all work available for **free**



Judge contributions on **technical merits**



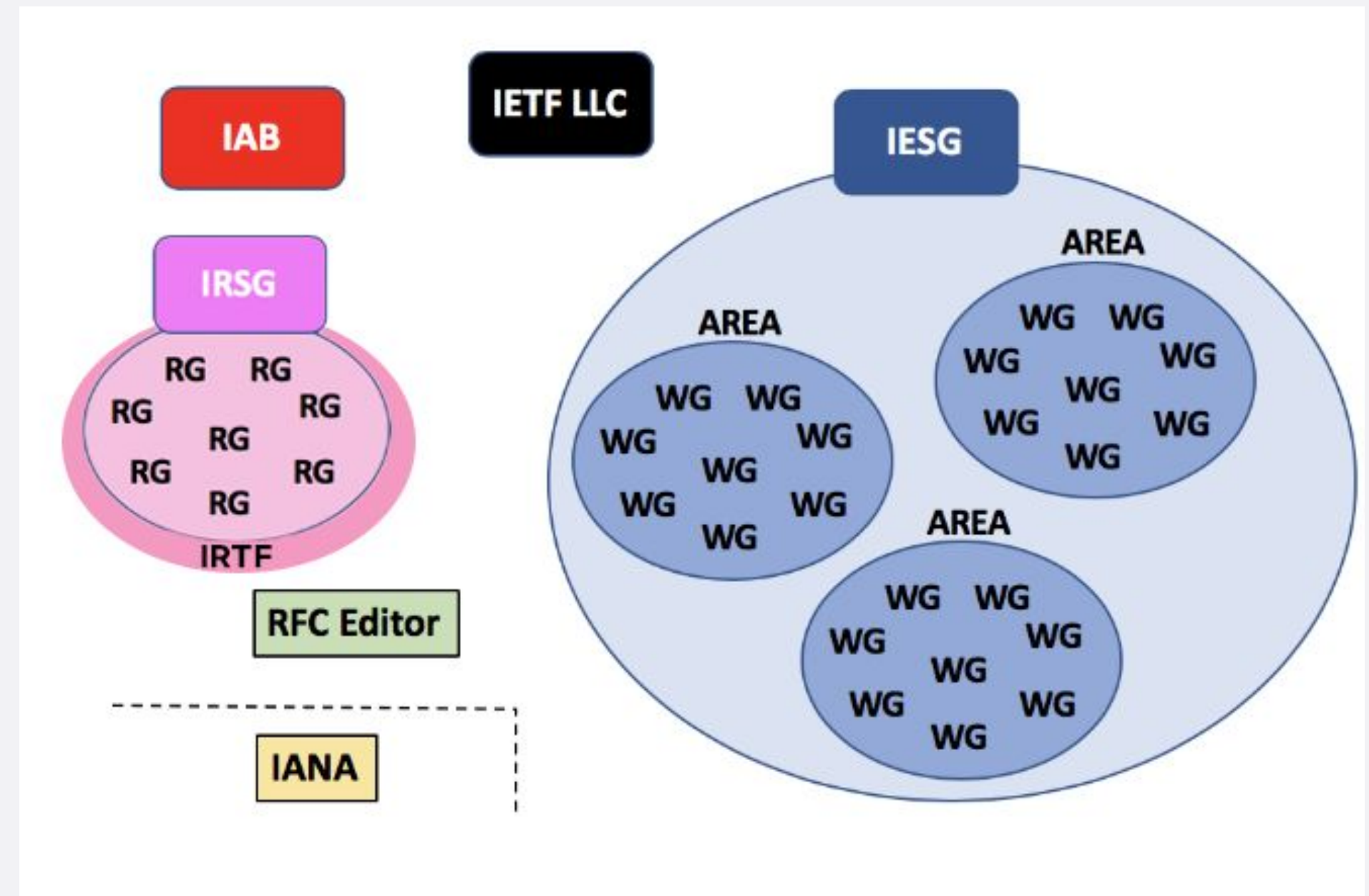
Determine success by **voluntary deployment**

The IETF is ...

- A Standards Development Organization (SDO)
- With self-selected individual participants, no formal membership
- Driven by market-based adoption (a *real* standard is one people use)
- Focused on Internet technologies
- Bottom-up... and unique!
 - No formal voting (but we raise hands and occasionally hum...)
 - No formal government role
- And... no booths, sales promotions, or other sales related activities

The Big Picture

- **Internet Engineering Steering Group (IESG)**
responsible for technical management of IETF activities and the Internet standards process
- **Internet Research Steering Group (IRSG)**
steering group for the Internet Research Task Force (IRTF), focused on longer-term Internet research topics
- **Internet Architecture Board (IAB)**
provides oversight of the Internet architecture and the standards process
- **IETF Administration LLC**
corporate home for the IETF, the IAB, and the IRTF; provides fiscal and administrative support



IETF Areas

Applications and
Real-Time (ART)

- Application protocols and architectures
- Real-time (communication) and non-real-time

Transport (TSV)

- Mechanisms related to data transport on the Internet - Includes congestion control

Routing (RTG)

- Routing and signaling protocols

Internet (INT)

- IPv4/IPv6, DNS, DHCP, mobility

Operations and
Management (OPS)

- Network management
- Operations: IPv6, DNS, security, routing

Security (SEC)

- Security protocols and mechanisms

General (GEN)

- Activities focused on supporting and updating IETF processes

| Leadership among the groups

IETF

- IETF Chair
- Area Directors (IESG)
(<https://www.ietf.org/about/groups/iesg/members/>)
- Working Group Chairs
(<https://datatracker.ietf.org/wg/photos/>)

IAB

- IAB Chair
- IAB Members

IRTF

- IRTF Chair
- IRSG

The IETF and Consensus

- IETF mantra:
 - “We reject kings, presidents and voting. We believe in rough consensus and running code.”
- Rough consensus is achieved when all issues are addressed, but not necessarily accommodated
- Dissenting opinions are heard, but are not controlling
- Humming: a way of measuring consensus that is not voting
- Session chair is responsible for building consensus
- WG mailing list consensus has to be taken into account
- “On Consensus and Humming in the IETF”, P. Resnick, [[RFC 7282](#)]

Joining Working Groups and contributing to existing work

- Review the Working Group webpage
 - Charter
 - Milestones
- Join the mailing list
- Review documents that are currently in progress
- If you have questions, contact the chairs.

<https://datatracker.ietf.org/wg/>

Domain Name System Operations (dnsop)

About Documents Meetings History Photos Email expansions List archive »

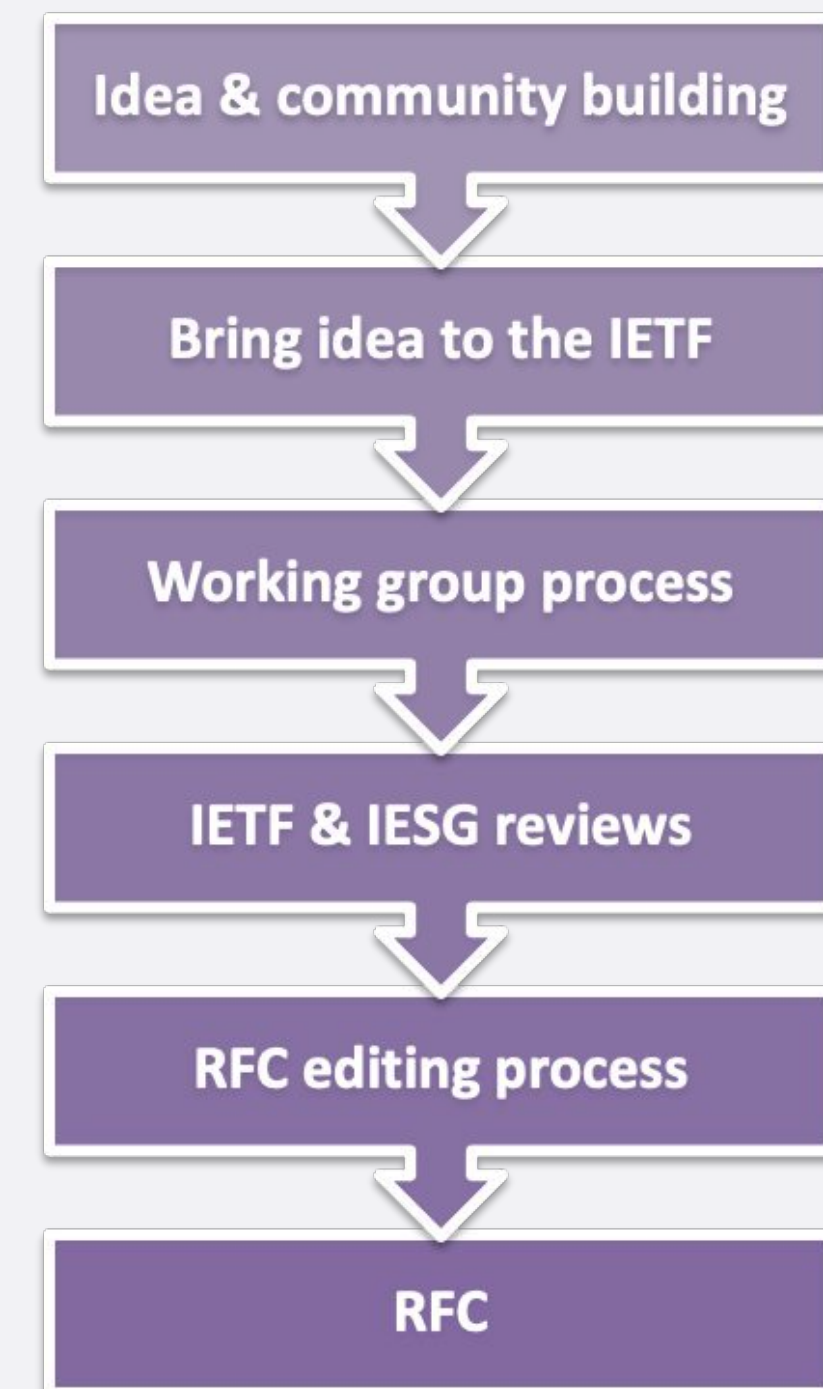
Edit milestones Manage document list Edit group Customize workflow Request closing group

WG	Name	Edit	Domain Name System Operations
	Acronym		dnsop
	Area		Operations and Management Area (ops)
	State	Edit	Active
	Charter		charter-ietf-dnsop-04 Approved
	Status update	Edit	(None)
	Document dependencies		Show
	Additional resources	Edit	Wiki , Zulip stream , github
Personnel	Chairs	Edit	Benno Overeinder , Suzanne Woolf , Tim Wicinski
	Area Director	Edit	Warren "Ace" Kumari
Mailing list	Address	Edit	dnsop@ietf.org
	To subscribe	Edit	http://www.ietf.org/mailman/listinfo/dnsop
	Archive	Edit	https://mailarchive.ietf.org/arch/browse/dnsop/
Chat	Room address		https://zulip.ietf.org/#narrow/stream/dnsop

Charter for Working Group

How New Work Starts

- **Contribution-driven**, bottom-up process
 - Participants identify a **problem that needs solving**
- The **problem fits** one of the IETF areas
 - And **aligns with architectural principles** of the Internet
- **Scope is well defined** and understood
 - Research is complete, **engineering work** is needed
 - Agreement on **timetables and milestones**
- **Willing people** to do the work
 - Typically not just initial proponents



Bringing New Work to the IETF

- Develop some collaborators with similar interest
- Write some initial Internet-Drafts, maybe have some Bar BoFs
- Talk to Area Directors in the relevant area (maybe DISPATCH)
- Propose a BoF (drafts, charter, agenda all needed)
- Hold the BoF (Consensus determines the next steps)
- But first... Check out ... Tutorial on Bringing New Work to the IETF:
 - slides: <https://www.ietf.org/proceedings/103/slides/slides-103-edu-sessl-bringing-new-work-to-the-ietf-00.pdf>
 - video: <https://www.youtube.com/watch?v=YnK3rsZG4Ec>

Funding model for the IETF

The IETF relies on a variety of support to ensure its work remains open, accessible, and available to everyone around the world.

- Registration fees
- Donations
- Corporate contributions
- Sponsorships

For more information, please see: <https://www.ietf.org/support-us/>

IETF Participants (and culture)



Passionate, smart,
vocal people.

Have a question?
Don't be shy;
we're all here to
help.



Technical excellence
is highly valued.

Do your homework
then please speak
up and contribute!



Informal dress code.
(when we meet in
person or are on
camera!)



Close working
relationships
(people know each
other)

New Participants' Overview Presentation

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An IETF Meeting week

- Organized events on the agenda include:
 - Working Group sessions: ~130 working groups (some subset meeting)
 - Birds of a Feather sessions (BOFs)
 - IRTF sessions: ~ 15 research groups (some subset meeting)
 - Area-wide sessions, IETF-wide plenary(s), invited talks
 - Hackathon including a datatracker Code Sprint
 - Social Events (in person only)
 - Tutorials, Deep Dives & Lunch Sessions
 - Hot RFC Lightning Talks
 - Side Meetings, Open Time

Working Group sessions

- Biggest part of an IETF week
- Most work is done on mailing lists in between meetings
- Face-to-face meetings mostly focused on solving key issues
- Sessions are streamed & recorded
- Charter (including milestones) is negotiated with area director



Birds-of-a-Feather (BOF) sessions

- Often precedes formation of a WG
- Usually includes discussion of a proposed WG charter
- Sometimes a one-shot for a timely topic
- Proposed by a group interested in a topic
- Approved by Area Directors
- Generally meet only once



IRTF Research Group sessions

- Officially an activity of the IAB
- Focused more on research versus engineering topics
- IRTF RGs often meet at IETF meetings
- IRTF meetings at the IETF are open to all IETF attendees

Useful reference on the IRTF: RFC 7418 “An IRTF Primer for IETF Participants”

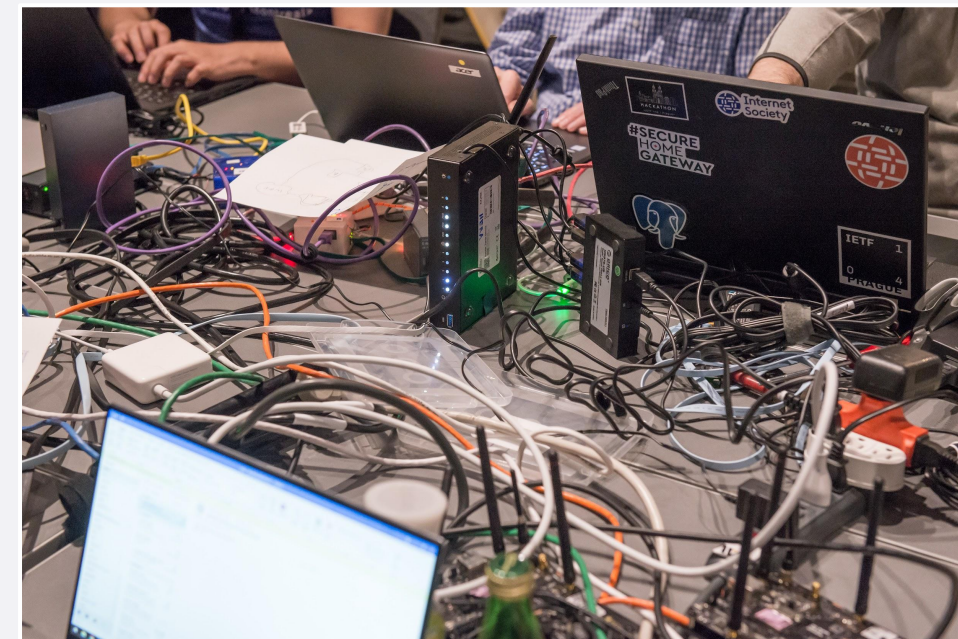
[\[RFC 7418\]](#)



Area-wide Sessions, Plenaries, and invited lunch talks



Hackathons and Code Sprints



Hackathon Details

- Free to participate, open to everyone
- Collaborative, working toward shared goals
- Advance pace and relevance of IETF standards
 - Flush out ideas, feed back into working groups
- Attract developers, universities
 - Team newcomers with veterans
 - Reduce time to meaningful contribution
- Weekend at start of each IETF meeting
- <https://www.ietf.org/how/runningcode/hackathons/>

| Networking and Social Events



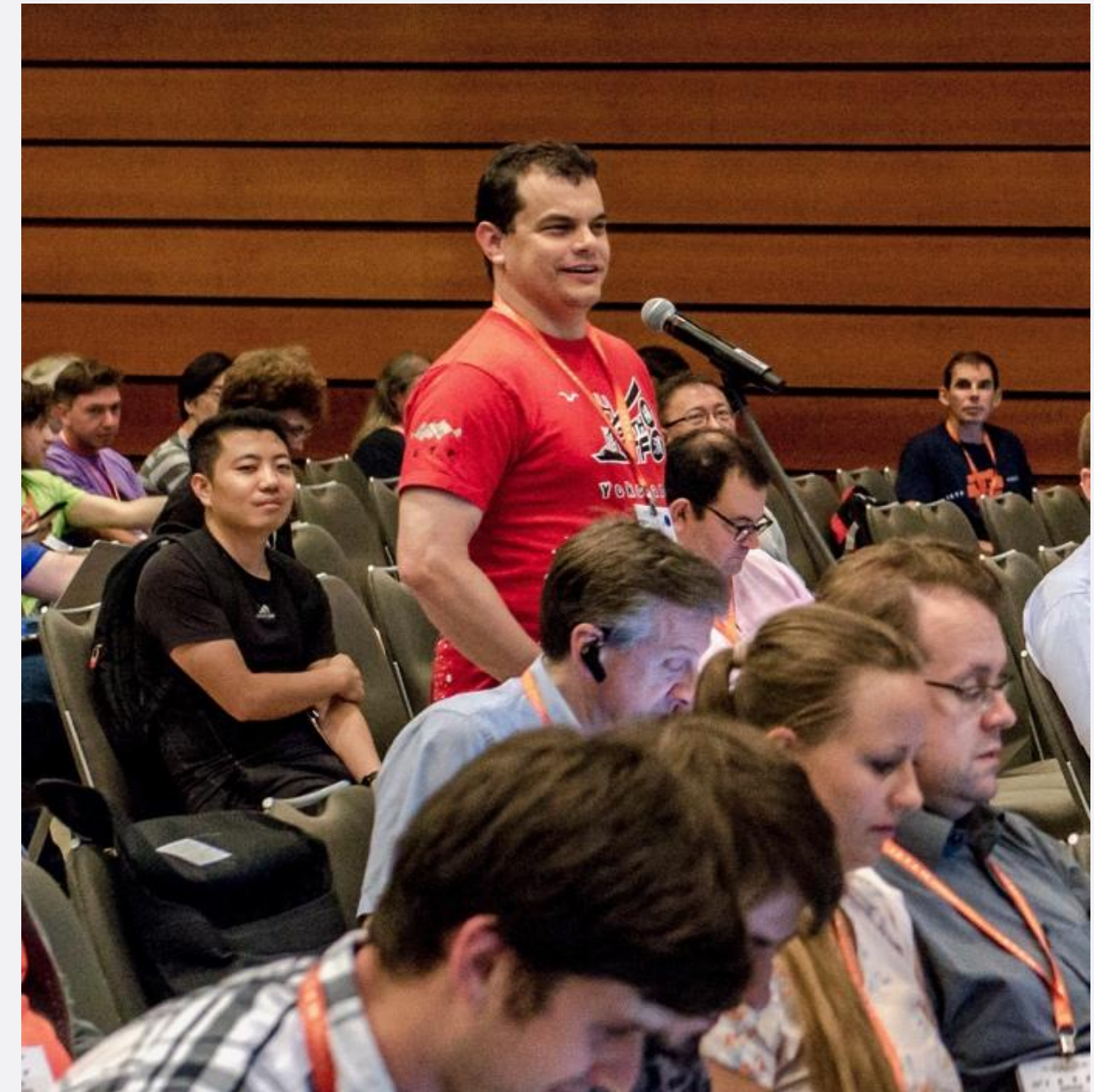
IETF Systems



<https://www.ietf.org/about/groups/ietf-systems/>

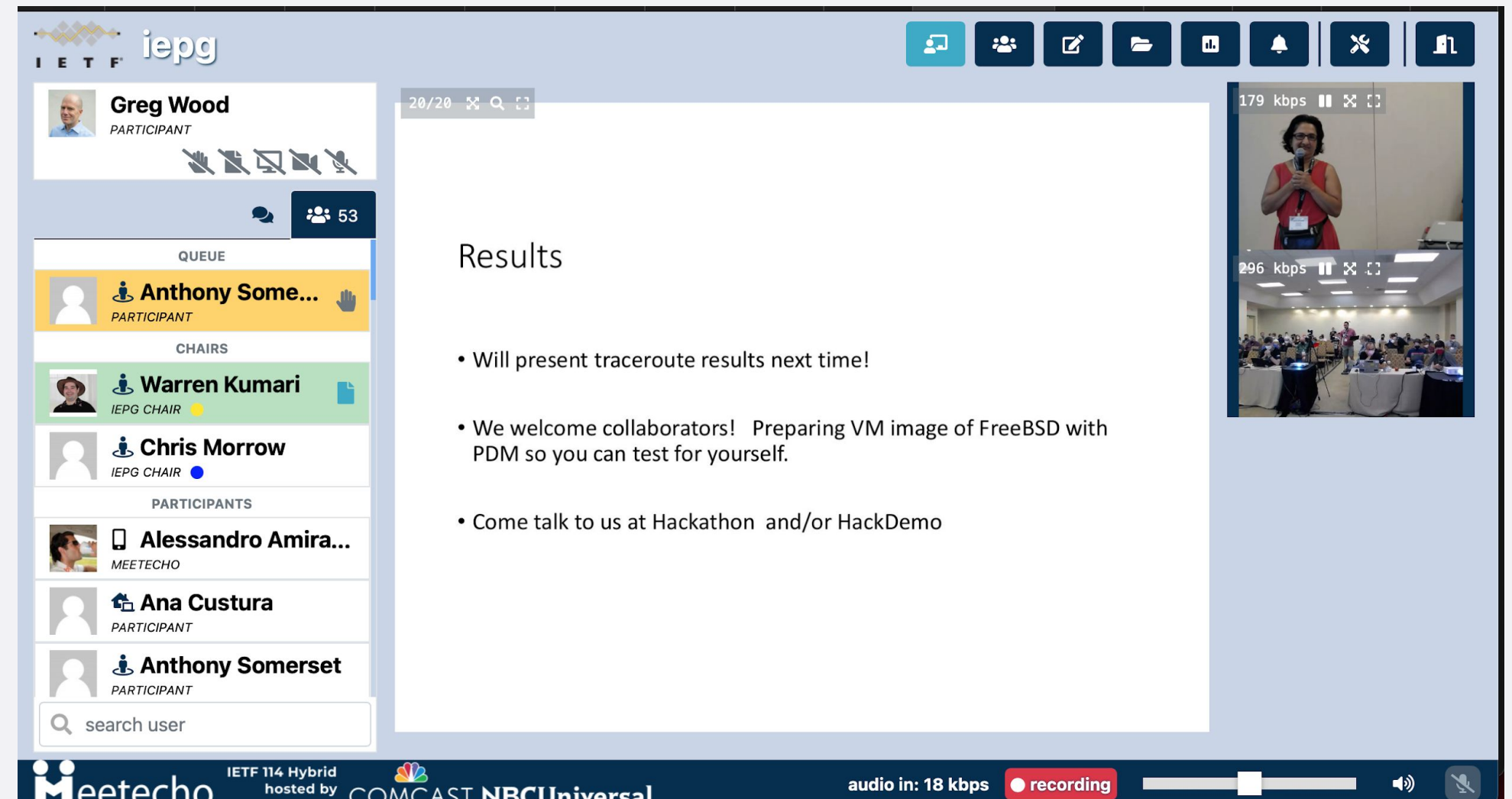
General Meeting Etiquette

- Read documents of interest before WG sessions
- Behave respectfully and tolerantly towards all participants
- Talk (and listen) to people
- Enjoy yourself



IETF Session Etiquette - the online version!

- Test your configuration in advance.
- Use good online meeting etiquette.
 - Keep audio and video off except when speaking.
 - Use a headset if possible
 - Speak slowly and clearly.
- Technical comments & questions are welcome.
- Use the WG chat to discuss meeting-relevant topics. See zulip.ietf.org to sign up for Zulip account.



New Participants' Overview Presentation

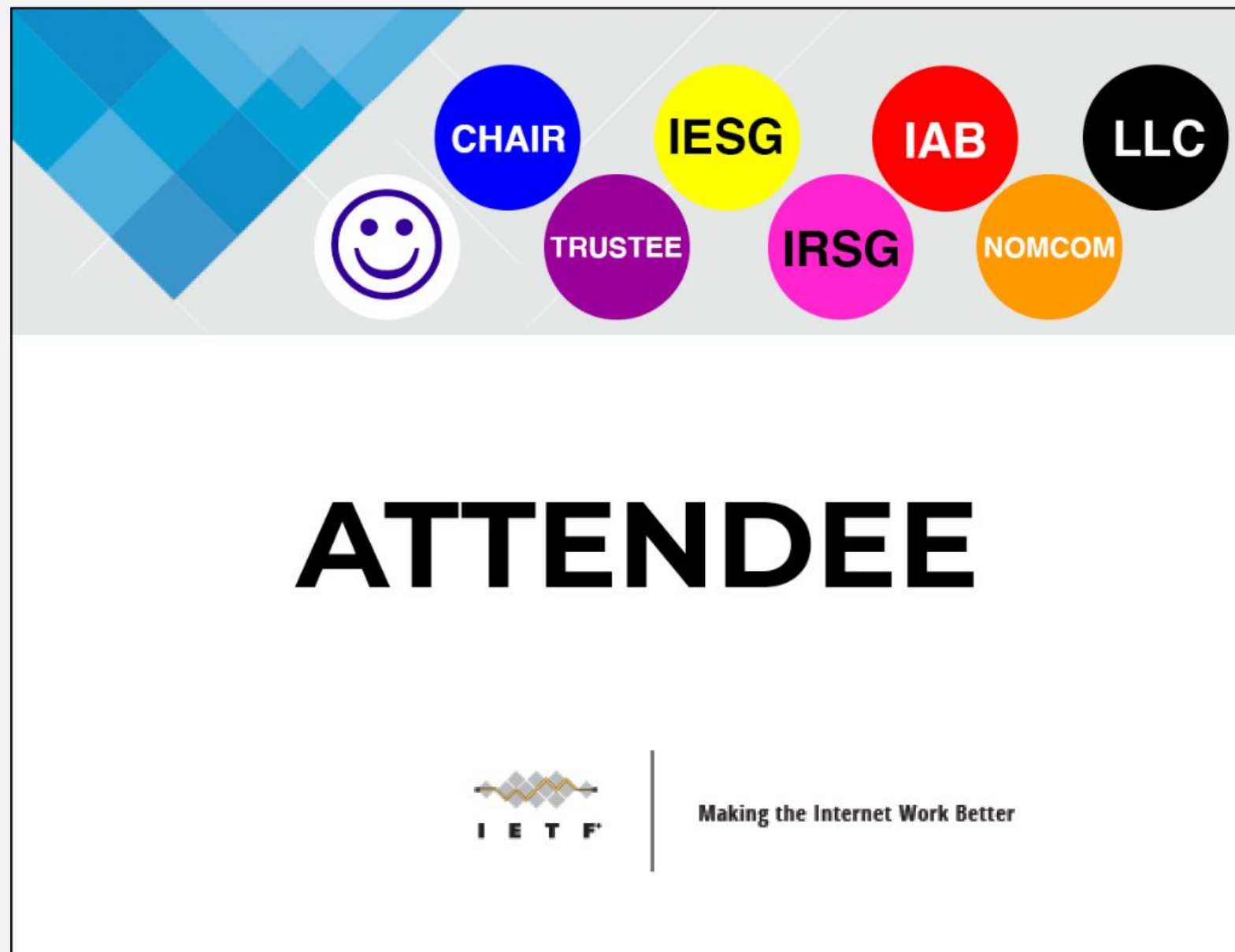
1. Overview of the IETF
2. Introduction to an IETF meeting week
3. **Overview of the resources (people, tools, information)**
4. New Participant Activities at IETF 116

Overview of People Resources

There are many people within the IETF organization that are here to help you.

- IETF Leadership
 - Area Directors (IESG)
 - Working Group Chairs
- IETF Support Staff

Badge Dots and Ribbons Guide (In-person meetings)



OMBUDSTEAM

NEW ATTENDEE

(Working Group or BOF Acronym)

(Research Group Acronym)

HOST

IETF Executive Director



Jay Daley

<https://datatracker.ietf.org/person/Jay%20Daley>

IETF Secretariat



RFC Editor Staff & IANA Staff



The Ombudsteam

The Ombudsteam was created to assist with any harassment issues at IETF.

- [Ombudsteam](#) ([RFC 7776](#), [BCP 25](#))

Allison Mankin



Pete Resnick



Melinda Shore



Reporting harassment issues

IETF Participants must not engage in harassment while at IETF meetings, virtual meetings, social events or while participating in mailing lists.

<https://www.ietf.org/blog/ietf-anti-harassment-policy/>

If you have any questions or concerns about working group operations or behaviors, please feel free to discuss these with either the working group chairs or the responsible Area Directors for that working group. The following escalation process can be followed:

- Working Group Chairs (<https://datatracker.ietf.org/wg/photos/>)
- Area Directors (<https://www.ietf.org/about/groups/iesg/members/>)
- IETF General Chair (link to chair's email address?)

Ultimately report any harassment to the [Ombudsteam](#) ([RFC 7776](#), [BCP 25](#)).

The NOC and the Network @ IETF

At meetings, the IETF Network Operation Center (NOC) runs its own network at the venue.

There is a printer and a helpdesk in the registration area.

Please report any issues!

support@ietf.org




Mailing lists, mailing lists and more mailing lists!

Most of the work within the IETF gets done on mailing lists.

- Discussion Lists
 - General
 - Working Group
- Announcements
- Meeting specific lists

For information about everything related to IETF mailing lists, please visit: <https://www.ietf.org/how/lists/>

IETF Datatracker (<https://datatracker.ietf.org>)

Datatracker

Groups ▾ Documents ▾ Meetings ▾ Other ▾ [odonoghue@isoc.org](#) ▾

Document search

Transport Layer Security (tls)

About Documents Meetings History Photos Email expansions List archive »

Search


Document ▾

Date ▾

Status ▾

IPR ▾ AD/Shepherd ▾

Active Internet-Drafts (13 hits)




[draft-farrell-tls-wkesni-03](#)

7 pages


2022-05-24

I-D Exists



A well-known URI for publishing ECHConfigList values.

Adopted by a WG




[draft-ietf-tls-ctls-06](#)

24 pages


2022-07-09


I-D Exists



Compact TLS 1.3

WG Document

[Christopher A. Wood](#)





[draft-ietf-tls-deprecate-obsolete-kex-00](#)

20 pages


2022-06-15

I-D Exists



Deprecating Obsolete Key Exchange Methods in TLS

WG Document




[draft-ietf-tls-dtls-rrc-06](#)

21 pages


2022-07-06

I-D Exists



Return Routability Check for DTLS 1.2 and DTLS 1.3

In WG Last Call : Proposed Standard




[draft-ietf-tls-esni-14](#)

48 pages

2022-02-13


I-D Exists



TLS Encrypted Client Hello

WG Document


Mar 2021




[draft-ietf-tls-external-psk-guidance-06](#)

16 pages

2022-02-04



RFC Ed Queue : [AUTH48-DONE](#)  171




Guidance for External PSK Usage in TLS

Submitted to IESG for Publication : Informational

Reviews: [secdir](#) [secdir LC](#) [artart LC](#) [opsdir LC](#)

[Benjamin Kaduk](#) 
[Sean Turner](#) 

Making the Internet work better

page
045

Meetecho

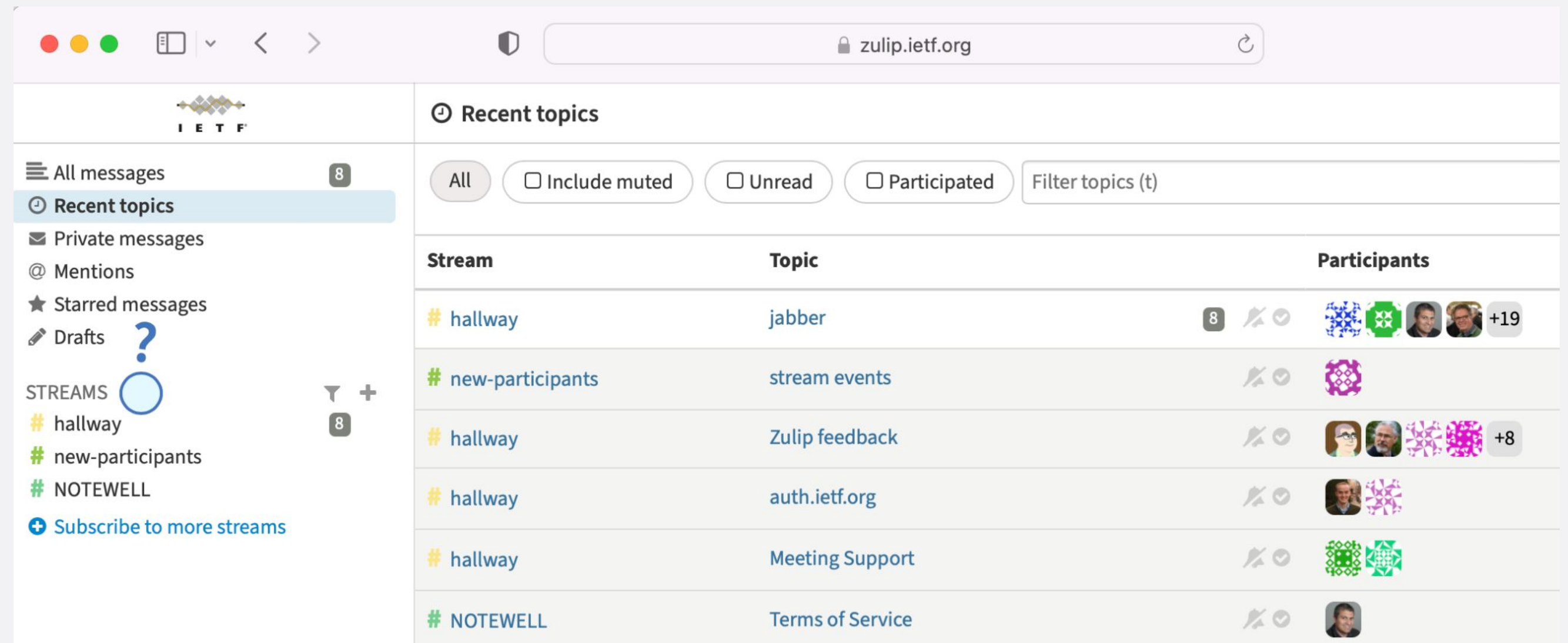
- Meetecho is the IETF custom tool for remote participation!
- All sessions are linked off of the datatracker agenda page.
- Additional information
<https://www.ietf.org/how/meetings/technology/meetecho-guide-participant/>
- Participate in practice sessions



The Meetecho team at IETF 83, (left to right) Lorenzo Miniero, Simon Romano, Tobia Castaldi, and Alessandro Amirante

Zulip

- The IETF's chat server
- Use your datatracker credentials to log in



For more information please see:
<https://www.ietf.org/how/meetings/groupchat/>

Additional Resources

Getting Started in the IETF

<https://www.ietf.org/newcomers>

The Tao of the IETF: A Novice's Guide to the Internet Engineering Task Force

<https://www.ietf.org/about/participate/tao/>

The Glossary (Meanings of terms and Acronyms)

<https://www.ietf.org/about/glossary/>

Meeting mailing lists

<https://www.ietf.org/how/meetings/ietf-meeting-mailing-lists>

One stop shop for all links:

<https://www.ietf.org/links/>

New Participant's Overview Presentation

1. Introduction and overview of newcomer's activities
2. Structure of the IETF
3. Introduction to an IETF meeting week
4. **New Participant Activities at IETF 116**

New Participant Activities @ IETF 116

Each IETF meeting has a set of IETF new participant activities planned. These vary from meeting to meeting. Here is what is planned for IETF 116!

- New Participants' Overview Tutorial (this session)
- New Participants' Quick Connections (Sun @ 16:00, G304 - sign up)
- New Participants' Dinner (Mon @ 18:45, G320 – ticket for purchase)
- New Participants' Social Hour (Thurs @ 17:45, G319)

Be sure to check the New Participants' webpage for the latest schedule.

<https://www.ietf.org/how/meetings/116/new-participants/>

Make sure you are subscribed to the new participant mailing list for helpful information and reminders.

Additional Activities @ IETF 116

There are also some activities that are not described as New Participant activities but you are highly encouraged to join!

- Welcome Reception (Sun @ 17:00, G1-G2)
- Hot RFC (Sun @18:00, G302)
- Sysops Networking (Mon @ 08:15, G320)
- IETF Plenary (Wed @ 17:00, G1-G2)
- Host Speaker Series: Quantum Internet (Thurs @11:45, G303)
- Social Event (Thurs @ 19:00, Osanbashi Pier)
 - Currently Sold Out

Check the agenda for specific information:
<https://datatracker.ietf.org/meeting/116/agenda/>

Still not sure where to start @ IETF 116

Check out the following!

- Blog post: <https://www.ietf.org/blog/ietf116-new-topics/>
- The agenda: <https://datatracker.ietf.org/meeting/116/agenda/>
- Connect with other new participants
 - In Person
 - Via Chat (Zulip)
 - Via Mailing lists

New participants can stop by the registration desk to meet and chat with a staff member. (Hours will vary)

Where to get help @ IETF 116

If you need any assistance during the week, try the following:

- Registration desk (General questions)
- Technical help desk (Network problems or issues with tools)
- RFC Editor (questions about publishing documents as RFCs)
- IANA desk (questions about protocol parameter registries)
- Ombudsman (questions about harassment or any other issue)
- Terminal room
- Area Director office hours

Check the agenda for any changes.

Meeting issues: Please send email to: support@ietf.org

Above all: Enjoy!



| For more information

<https://www.ietf.org/about/participate/get-started/>

**For any feedback or additional questions, please contact us
at emo-dir@ietf.org**