
IETF 119 Brisbane
Plenary Session

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 119 Online Meeting Tips



For participants joining by Meetecho:

- Your audio will be muted and video will be off when you join
- Unmute only when you are recognized in the queue
- Video is welcome when you are speaking in the queue
- Use of a headset is strongly recommended
- More details: https://www.ietf.org/how/meetings/technology/meetecho-guide-participant/

AGENDA (1 of 3)

Topic	Speaker
Welcome	Lars Eggert
Co-Host Presentation (Video)	Vint Cerf, Google
IETF Chair & Internet Engineering Steering Group (IESG) Report	Lars Eggert
Internet Architecture Board (IAB) Report	Mirja Kühlewind
Internet Research Task Force (IRTF) Report	Colin Perkins
Nominating Committee (NomCom) Report	Martin Thomson

AGENDA (2 of 3)

Topic	Speaker
IETF Trust Report	Glenn Deen
IETF Administration LLC Report: *1) Operations 2) LLC Board Update 3) IETF Finances*	Jay Daley, Jason Livingood
IPv6 Experiment	Warren Kumari
In Memoriam: David Mills	Karen O'Donoghue
In Memoriam: Fabio Maino	Luigi Iannone

AGENDA (3 of 3)

Topic	Speaker
IETF Administration LLC: Thank You to Outgoing Leaders and Open Mic	IETF LLC Board
Internet Engineering Steering Group (IESG): Thank You to Outgoing Leaders and Open Mic	IESG
Internet Architecture Board (IAB): Thank You to Outgoing Leaders and Open Mic	IAB

Thank you to everyone who helped make this meeting happen!

Secretariat

Meetecho

NOC

LLC

Tools Team

Hackathon Support

Co-Host Presentation (Video)

Vint Cerf

IETF Chair & IESG Report

Lars Eggert

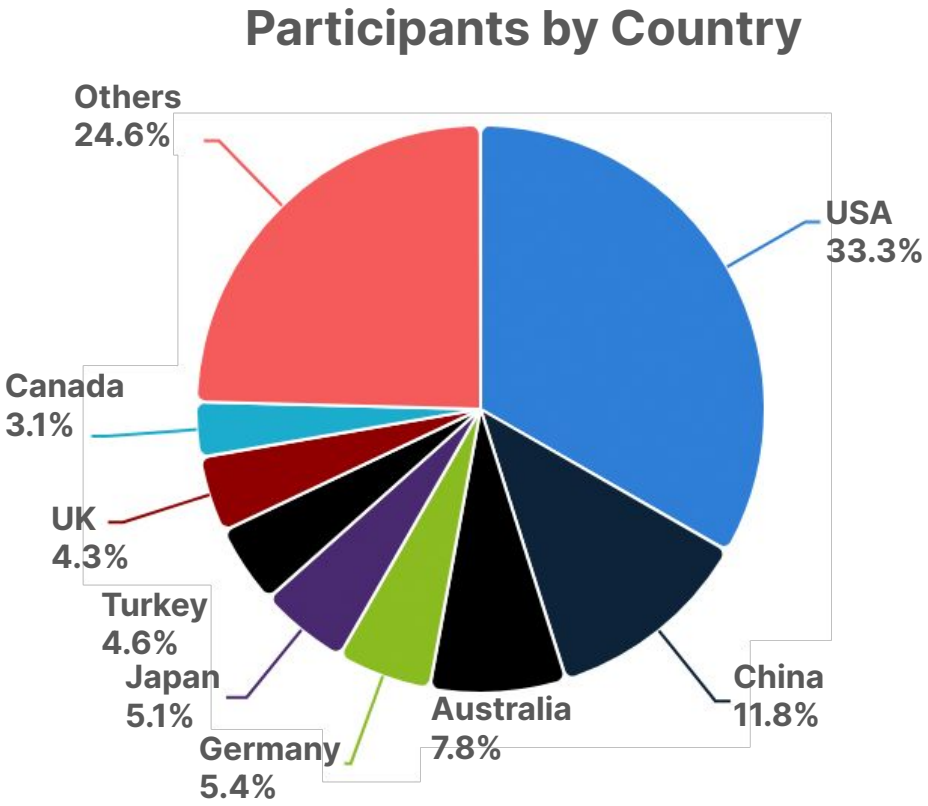
IETF Chair Report

- Participant Statistics
- Planning for Future Meetings
- IESG Statements and Announcements
- Topics Covered Online

IETF 119 Participant Stats as of 2024-03-20

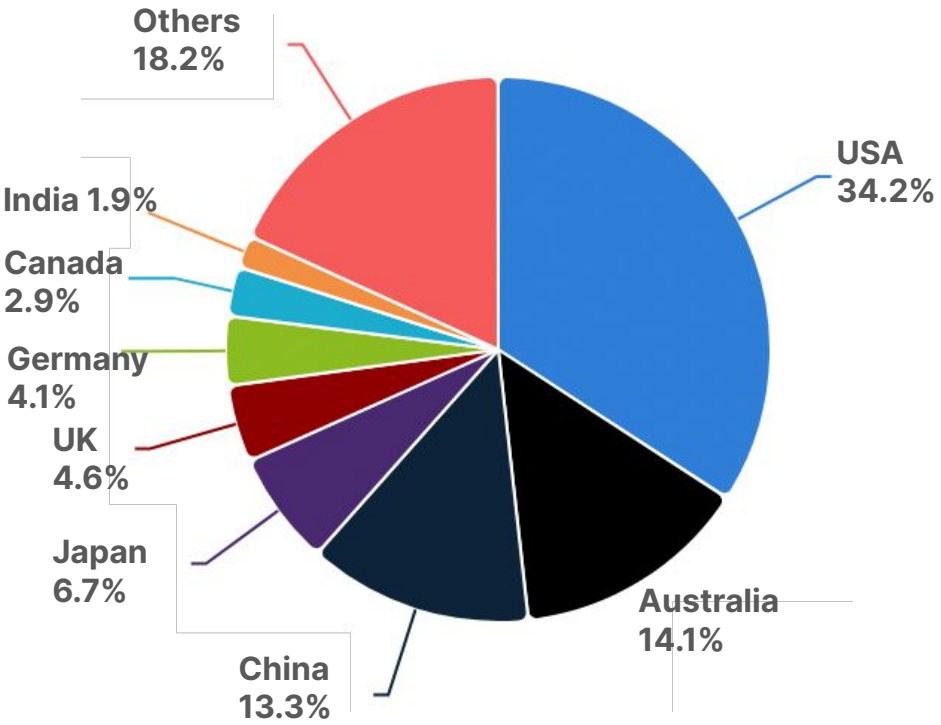
- **1429** registrations
  - **687** on-site
  - **742** remote
- Fee waivers - Remote
  - **310** granted, **294** used
- Fee waivers - Onsite
  - IETF: **10** requests, **6** granted
  - IRTF: **1** request, **1** granted (plus **5** travel grant awardees)
- APNIC Foundation Registration Grants
  - **20** granted
- **346** Hackathon registrations
  - **286** on-site, **60** remote
  - **32** Hackathon-only (**30** onsite, **2** remote)
  - **27** projects

Detailed attendance stats will be posted after the meeting

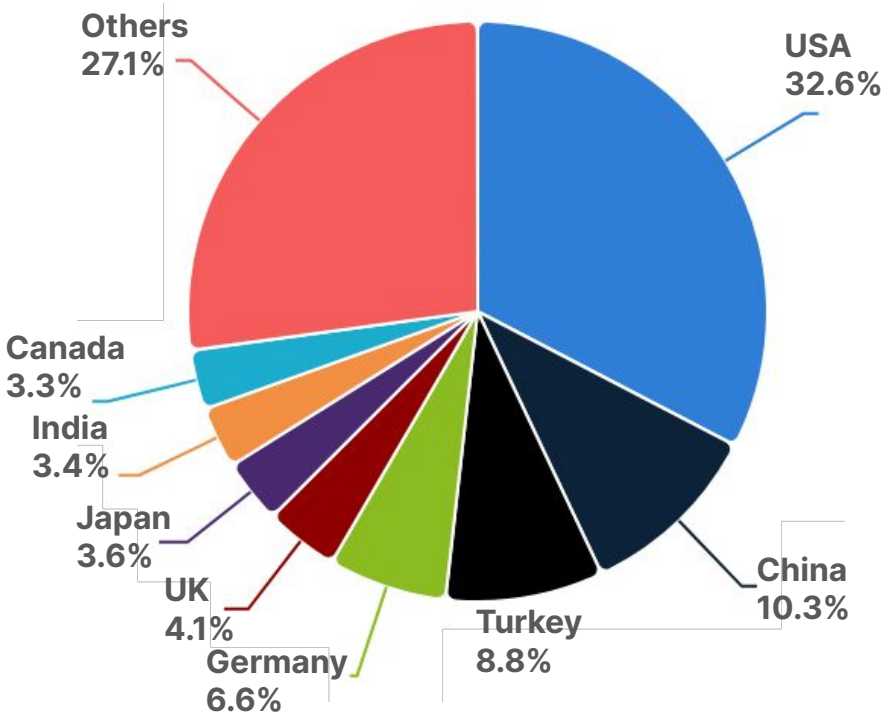


IETF 119 Participant Stats as of 2024-03-20

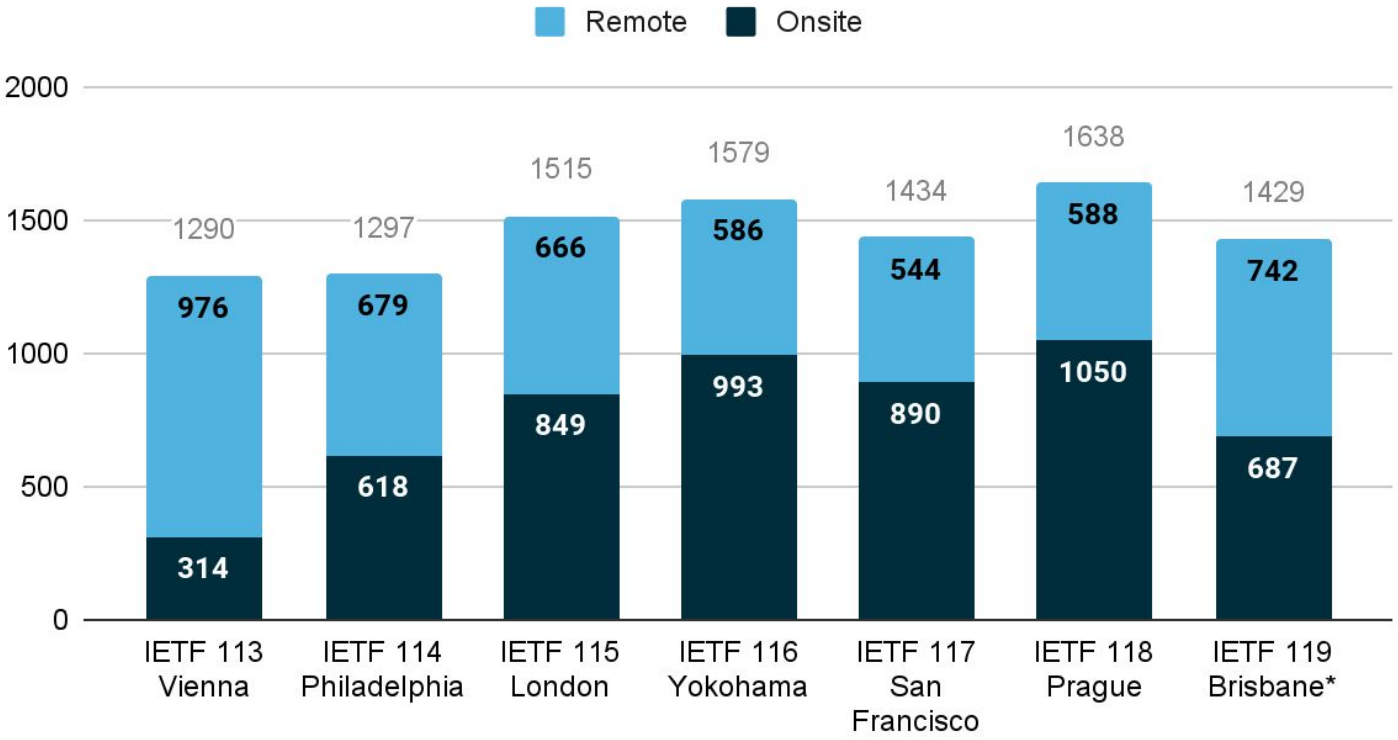
Onsite: 687



Remote: 742



Meeting Registration over Time



*** Final registration numbers for IETF 119 will be posted after the meeting.**

IESG Statements and Announcements

- IESG Appoints Kristin Berdan to the IETF Trust
  (2024-02-23)
- Call for feedback: IESG appointment to the IETF Trust
  (2024-01-23)
- Update on WIT Transition
  (2024-01-18)
- Reminder: Call for nominations: IESG appointment to the IETF Trust
  (2024-01-04)
- Call for nominations: IESG appointment to the IETF Trust
  (2023-12-08)
- ALLDISPATCH experiment feedback
  (2023-11-30)

Topics Covered Online

- **0** Appeals since IETF 118

- More, including reports from the IAB, IETF LLC Board, Secretariat, and IANA: https://datatracker.ietf.org/meeting/materials/

- IETF Blog: https://www.ietf.org/blog/

IETF CHILDCARE













Internet Architecture Board (IAB)

Mirja Kühlewind

IAB Report IETF-119 (Brisbane)



The full IAB report can be found on the IAB webpage and in the proceedings:

https://datatracker.ietf.org/meeting/119/materials/slides-119-ietf-sessc-iab-report-to-the-community-for-ietf-119-00

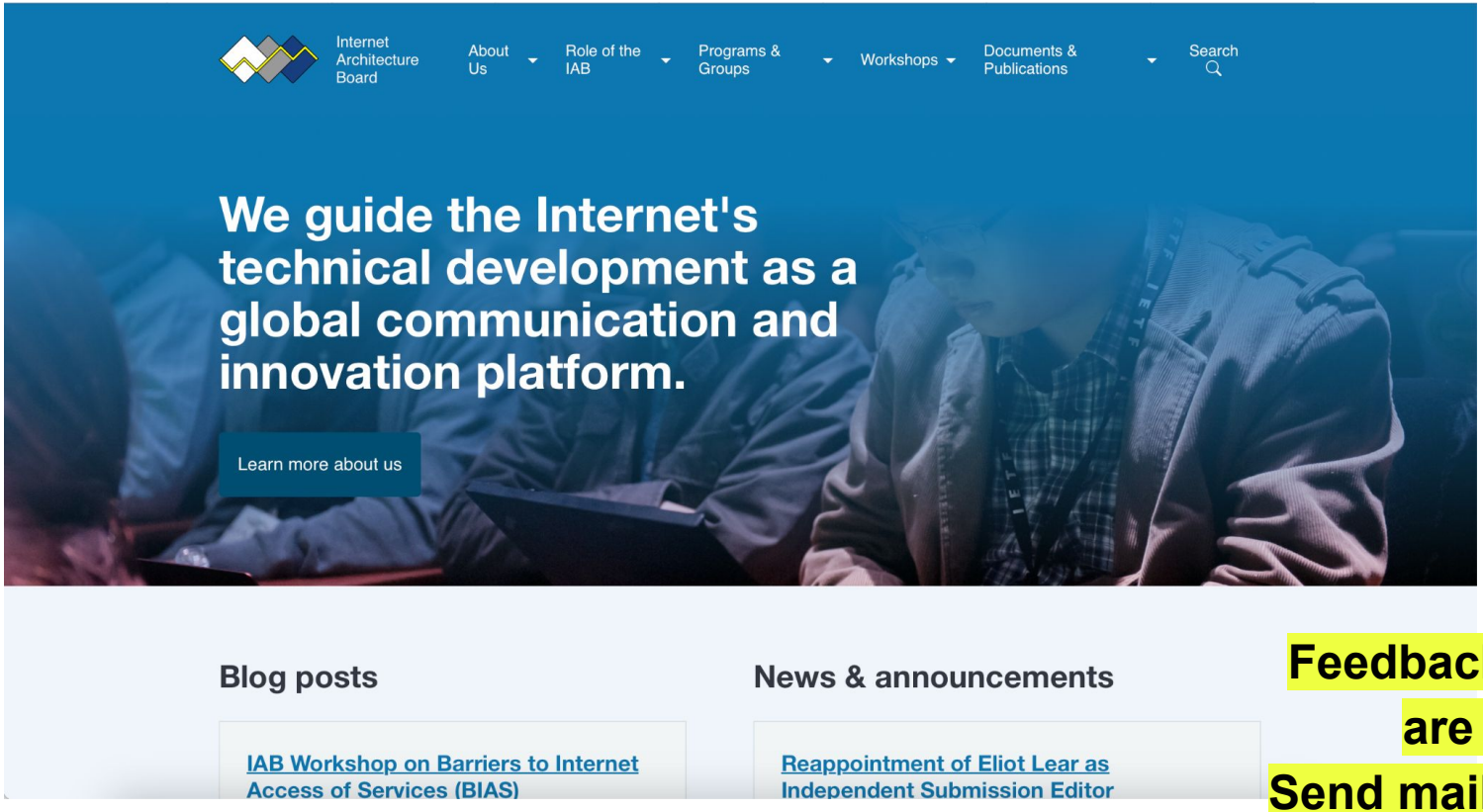
Recent activities

- Workshop reports for e-impact (RFC9547) and M-TEN (RFC9490) published & first version for BIAS (draft-iab-bias-workshop-report-00)
- IAB Statement on Encryption and Mandatory Client-side Scanning of Content (Dec 2023)
- Appeal Response to the appeal received from John Klensin on the IESG appeal decision on Meeting Guidance (Dec 2023)

For feedback or questions, feel free to send mail to iab@iab.org or iab-chair@iab.org!

New IAB Webpage!

Note that some information, like IAB statements, has moved to the datatracker!



Feedback or comments are welcome!

Send mail to iab@iab.org

Appointments and Thanks!

- Petr Špaček reappointed to the ICANN Technical Liaison Group
- ISOC Board of Trustees appointment will be announced in April
- Eliot Lear reappointed as Independent Submissions Editor (ISE)

- Tommy Pauly selected as new IAB chair! Congrats! 

Other IAB meetings

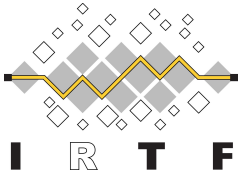
The **IAB Liaison Coordinators** will hold ***office hours*** Thursday lunch time

- When: Thursday, March 21, 11:30-12:30
- Where: P8

IAB Open meeting was earlier today!

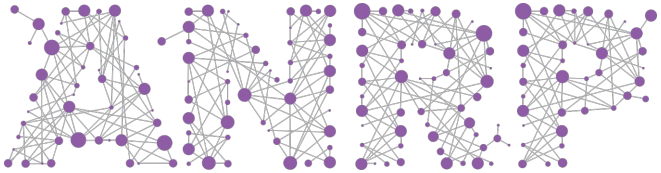
No in-person program meetings at IETF-119

But feel free to join the program mailing list: edm@iab.org and e-impact@iab.org



Internet Research Task Force (IRTF)

Colin Perkins



Applied Networking Research Prize

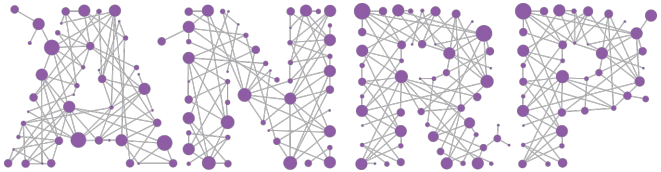
Internet Society

COMCAST

NBCUniversal

The Applied Networking Research Prize recognises:

- the best recent results in applied networking
- interesting new research ideas of potential relevance to the Internet standards community; and
- upcoming people that are likely to have an impact on Internet standards & technologies



Applied Networking Research Prize

Internet Society

COMCAST

NBCUniversal

- **Dongqi Han** for his work on context shift adaptation in anomaly detection systems



- Paper and slides at https://irtf.org/anrp/
- Recording on IETF Channel on YouTube

Applied Networking Research Workshop

- ACM/IRTF Applied Networking Research Workshop (ANRW) **2024** will co-locate with IETF 120 in Vancouver in July 2024
  - Organisers: Jayasree Sengupta, Simone Ferlin, and Ignacio Castro
  - Papers due 15 April 2024
  - https://irtf.org/anrw/2024/





ANRW 2024
Applied Networking Research Workshop

IRTF

The IRTF is pleased to offer travel grants to support early career academics and PhD students from under-represented groups to attend the IRTF meetings co-located with the IETF

We also offer travel grants to attend the ACM/IRTF Applied Networking Research Workshop and make a small number of meeting fee waivers available

https://irtf.org/travelgrants

Thank you to our sponsors – please contact the IRTF Chair if you wish to help expand these programmes











NomCom 2023-2024

Martin Thomson

NomCom 2023-2024 People

Charter: Nominate IETF leadership for 2024-

Chair: Martin Thomson

Liaisons:

- IESG: John Scudder
- IAB: Suresh Krishnan
- IETF LLC Board: Mirjam Kühne
- IETF Trust: Stephan Wenger
- ISOC Board: Sagarika Wickramasekera

Advisors:

- Rich Salz (2022-2023 chair)

Voting Members:

- **Hang Shi**
- **Matthew Quick**
- **Eric Rescorla**
- **Charles Eckel**
- **Andrew Stone**
- **Kyle Rose**
- **Chris Lemmons**
- **Wei Pan**
- **Jorge Rabadan**
- **Benson Muite**

NomCom 2023-2024 Selections

IAB: Matthew Bocci, Alissa Cooper, Cullen Jennings, Mirja Kühlewind, Tommy Pauly, Qin Wu

IETF LLC: Shauna Turner

IETF Trust: Jon Peterson

IESG: Roman Danyliw (GEN), Murray Kucherawy (ART[1]), Orie Steele (ART), Erik Kline (INT), Mahesh Jethanandani (OPS), Gunter Van de Velde (RTG),
Deb Cooley (SEC[1]), Paul Wouters (SEC)

NomCom 2023-2024 Lessons

RFC 8713 failed us when unanticipated circumstances arose

- No documented process for handling exceptions
- We made some processes up, which worked ... this time

NomCom processes rely on the chair and on oral tradition

Voting is not to be rejected, but embraced as a tool

Making decisions about people can be hard



Be Excellent To Each Other



IETF Trust

Glenn Deen

IETF Trustees – IETF 119



Glenn Deen

Chair



Kathleen Moriarty

Treasurer



Victor Kuarsingh



Jon Peterson

New Nomcom Appointee



Kristin Berdan

New IESG Appointee

Recognizing Service



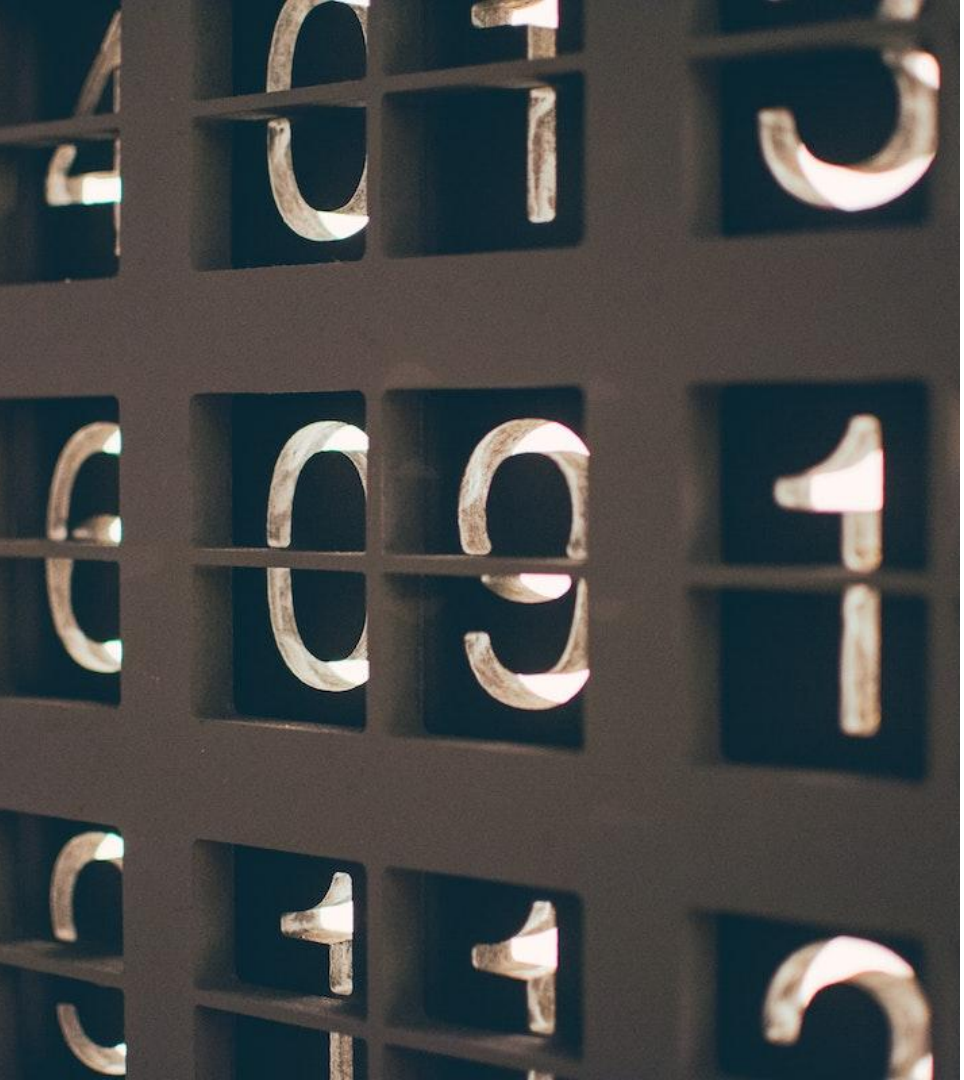
Joel Halpern

Term 2019-2024



Stephan Wenger

Term 2019-2024



Licensing & Legal Actions since IETF 118

0 New RFC Licenses Issued

1 Licensing Request – resolved

0 Legal new actions

IETF Restructuring Update

IETF Intellectual Property Management Corporation (IPMC)

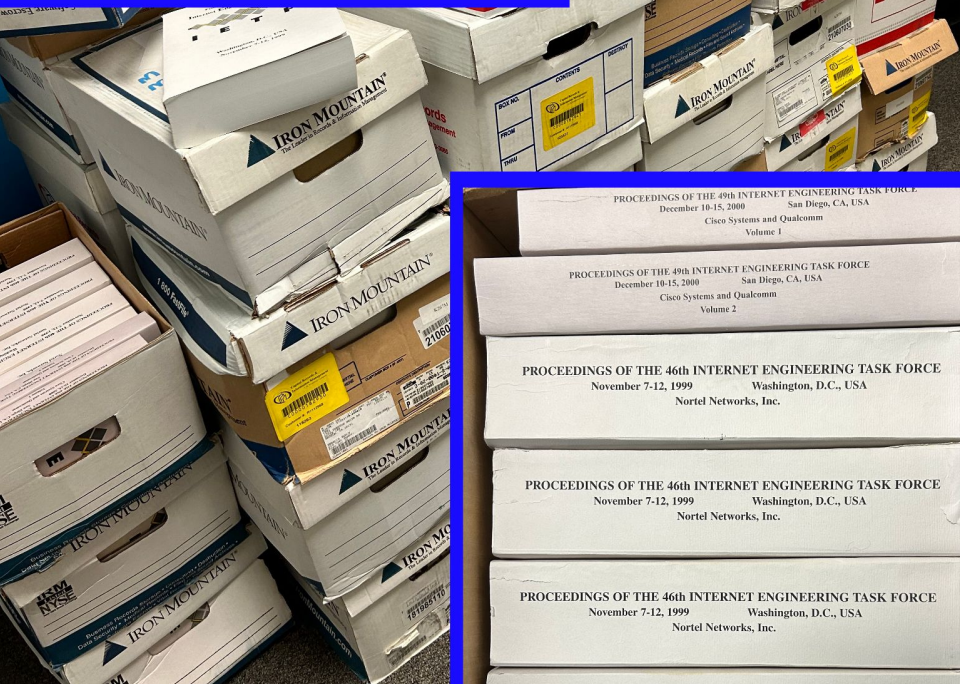
- Est. 2022
- IRS 501c3

- Legal Operating home of IETF Trust

- Assets - RFCs, TMs, Agreements etc transfer underway

- Virginia Trust anticipated to shut down ahead of IETF 120





Storage Boxes Spring Cleaning

IETF Trust had a large collection of boxes in storage (6 Pallets)

- Old Paper Proceedings
- Paper Bluesheets
- Backup Tapes

- Slowly been working through it all

- Bluesheets are being scanned
- Duplicate Proceedings discarded

IETF® Trust

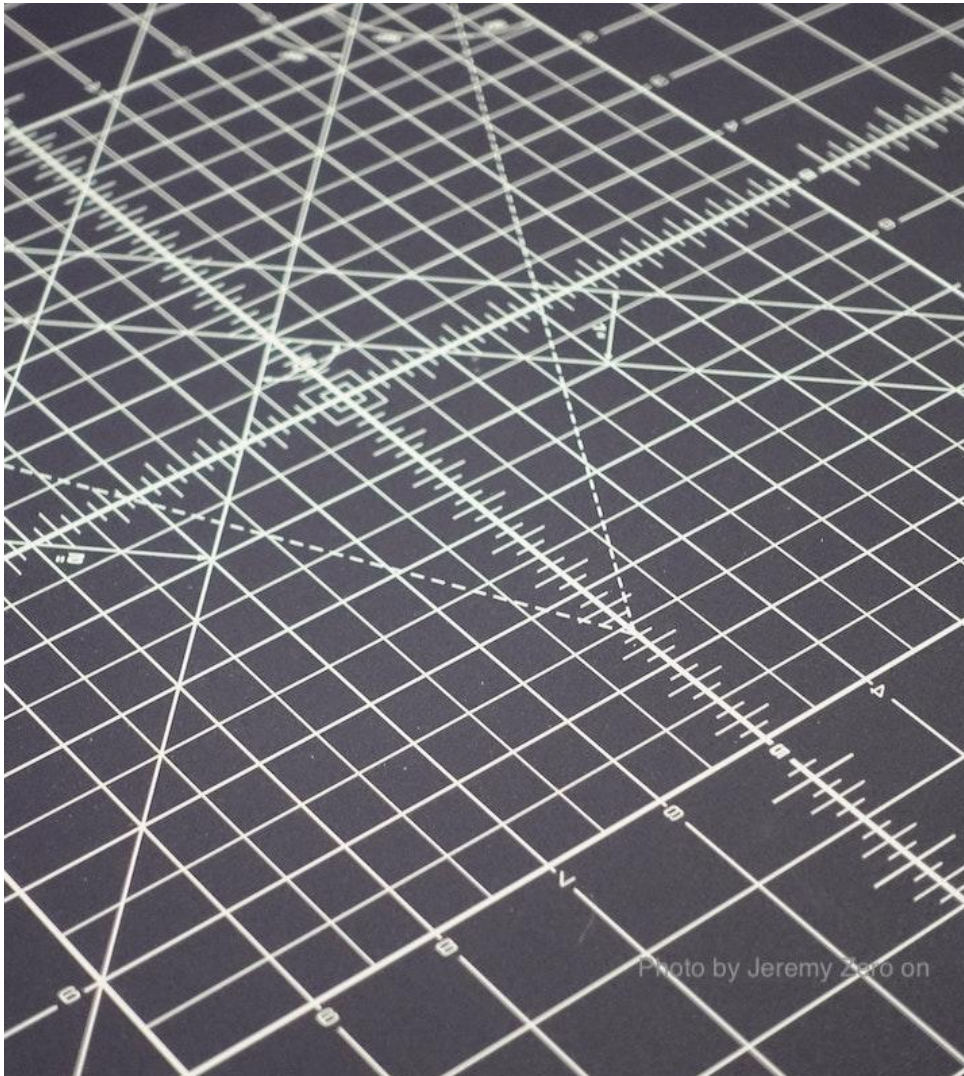
Contact the Trust

Trustees@IETF.ORG

HTTPS://TRUSTEE.IETF.ORG

IETF 119 Trust Office Hour:

Friday Room M9 from 10-11 am







IETF Administration LLC

Jay Daley, Jason Livingood

IETF Administration LLC Report

Part 1 - Operations

Jay Daley
Executive Director

IETF 119 Brisbane
March 2024



Making the Internet work better

IETF Administration LLC
Thank you to the IETF 119 Hosts

Co-Host

Google

Co-Host Consortium Members

consoleconnect

.auDA

Internet Association of Australia

Key Local Supporters

brisbane australia

TOURISM & EVENTS Queensland

Local Host

APNIC

IETF Administration LLC

Thank you to the IETF 119 Gold sponsors

Diversity and Inclusion





Running Code



ERICSSON

Sustainability

ORACLE
Cloud Infrastructure

IETF Administration LLC

Thank you to the IETF 119 Silver and Bronze sponsors

Silver
Diversity and Inclusion



Silver
Running Code



Bronze
Diversity and Inclusion











Bronze
Running Code





Bronze
Open Internet



IETF Administration LLC

Thank you to the IETF 119 Equipment, Services, and Connectivity Sponsors























IETF 119 T-shirt (and more)

https://store.ietf.org

Online ordering

(in your size, as many as you like)

Worldwide delivery



IETF Administration LLC
Thanks to the many generous volunteers

Codesprint

Ryan Cross
Jim Fenton
Nicolas Giard
Russ Housley
Tero Kivinen
Jean Mahoney
Sangho Na
Kesara Rathnayake
Jennifer Richards
Rich Salz
Paul Selkirk
Robert Sparks
Éric Vyncke

NOC

Hirochika Asai (Preferred Networks/WIDE)
Rob Austein (Arrcus)
Joe Clarke (Cisco)
Bill Fenner (Arista)
Bill Jensen (University of Wisconsin–Madison)
Hans Kuhn (NSRC)
Warren Kumari (Google)
Karen O'Donoghue
Clemens Schrimpe
Stephen Walsh (AARNet)

IETF Administration LLC
Thanks to the entire hard working team

Secretariat

Alexa Morris
Cindy Morgan
Gabby Croghan
Jenny Bui
Laura Nugent
Lindsey Richardson
Liz Flynn
Michelle Cotton
Paige Mustafa
Ryan Cross
Stephanie McCammon
Tess Hyden

Meetecho

Alessandro Amirante
Alessandro Toppi
Lorenzo Miniero
Paolo Saviano
Simon Pietro Romano
Tobia Castaldi

NOC

Daniel Branik
Aiden Branik
Sean Croghan
Thomas Eichinger
Con Reilly

IETF Administration LLC
Staff



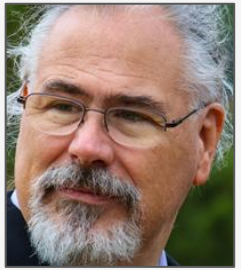
Jay Daley
IETF Executive Director



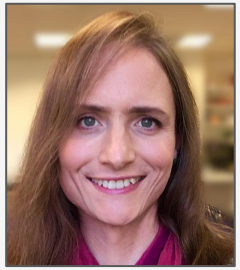
Greg Wood
Director of Comms. and Operations



Debbie Sasser
Director of Finance



Robert Sparks
Tools Team PM



Jennifer Richards
Senior Developer



Nick Giard
Senior Software Developer



Sangho Na
Senior Software Development Engineer



Kesara Rathnayake
Senior Software Development Engineer

IETF Administration LLC

Thanks to all of our Global Hosts and Global Supporters















IETF Administration LLC
Improvements to the onsite experience

Simplifying our services:

- Main registration desk now opens on Saturday morning
- Single shared workspace combines the lounge and terminal room

Reducing waste:

- Single Meeting/Hackathon badge, sustainably and locally produced
- T-shirts now pre-ordered for size and quantity matching
- Reduction in onsite food to minimize waste

IETF 120 Vancouver
20-26 July 2024



Hosted by

HUAWEI

Sponsorship opportunities still available!

IETF Administration LLC
Future meeting locations and venues

MEETING LOCATION	VENUE	DATES	HOSTS
IETF 120 – Vancouver	Hyatt Regency Vancouver	July 20-26, 2024	Huawei
IETF 121 – Dublin	Convention Centre Dublin	November 2-8, 2024	Cisco
IETF 122 – Bangkok	Marriott Marquis Queen's Park	March 15-21, 2025	*
IETF 123 – Madrid	Melia Castilla	July 19-25, 2025	*
IETF 124 – North America	TBA	November 1-7, 2025	*
IETF 125 – Asia	TBA	March 14-20, 2026	*
IETF 126 – Vienna	Hilton Vienna Park	July 18-24, 2026	*
IETF 127 – San Francisco	Hilton Union Square	November 14-20, 2026	*

* Please contact sponsorship@ietf.org if interested in sponsoring a meeting

IETF Administration LLC

Draft report on the 2023 community survey

Third annual IETF community survey. Three goals:

1. Size and demographic breakdown of the IETF community.
2. Data to inform the IETF community, particularly those in leadership roles, on what are some of the key issues affecting the IETF and why sometimes asserted issues are not actually issues.
3. A step in a time series of data that can be used to assess the natural changes affecting the IETF and the effectiveness of major programs, organisational changes and community/leadership actions.

Ran from Dec 2023 to Jan 2024. Distributed to 49,000 email addresses. Over 2000 responses.

Draft report now available - comments until 8 April.

https://www.ietf.org/media/documents/IETF_Community_Survey_2023_-_DRAFT.pdf

IETF Administration LLC

Draft report on the 2023 community survey - key findings

1. The IETF is good at delivering its mission and principles but could do much better
    - The IETF produces high quality, relevant RFCs in an open, transparent and consensus process.
2. The IETF is considered a very important organisation that outperforms its peers in all respects
    - On all aspects: openness, fairness, barriers, quality, cost, administration, behaviour and speed, the IETF is rated better than other SDOs.
3. Participation is driven by personal interest and a specific technology, not business or employer goals
4. The IETF still has a problem with gender diversity but there are signs of improvement
    - 7.84% of respondents identify as women and in multiple questions, women report a worse experience of the IETF than men.

Draft report on the 2023 community survey - key findings

5. Participation is dominated by people from just two regions and there are multiple factors behind that.
    - North America and Europe account for approximately 40% each of all IETF participants, with Asia a distant third at 11%
6. There is a problem with behaviour but it is hard to pin down
    - regular IETF participants rate the behaviour of IETF participants as worse than that in other SDOs.
7. New participants need to learn a lot to be effective and without that, people can feel excluded
8. Email is still universally preferred, but new participants are more comfortable with multiple mechanisms of participation

IETF Administration LLC Report

Part 2 - LLC Board Update

Board Chair - Jason Livingood

IETF 119
March 2024



Making the Internet work better

IETF Administration LLC

Thank you for your service on the LLC Board!



Maja Andjelkovic



Lars Eggert

IETF Administration LLC
Who serves on the Board?



Roman Danyliw



Mirjam Kühne



Jason Livingood, Chair



Sean Turner, Treasurer



Shauna Turner

IETF Administration LLC
Upcoming Board Meetings

Date & Time (UTC)	
27 March 2024 - 17:00 UTC	14-15 May 2024 - Board Retreat
17 April 2024 - 17:00 UTC	12 June 2024 - 17:00 UTC
08 May 2024 - 17:00 UTC	10 July 2024 - 17:00 UTC

The Board strives for transparency with the IETF Community. Board meetings are open to observers except for items such as legal, contracts, personnel, and other matters that benefit from confidentiality. Each meeting is divided into four sections: Open; Board and Staff Only; Board and ED Only; Board Only. Our goal is to publish agendas one week or more before each meeting. Minutes of past meeting are also posted on a timely basis.

Schedule of future meetings, past minutes & how to join:
https://www.ietf.org/about/groups/llc-board/

IETF Administration LLC
2023 Fiscal Year Operating Budget

December balances, original budget

	YTD Actual	YTD Budget	YTD Variance	Annual Budget
Revenue	$14,560,766	$13,950,041	⬆️$610,725	$13,950,041
Expenses	$11,158,072	$11,287,465	⬇️($129,393)	$11,287,465
Capital Investment	$741,961	$752,400	⬇️($10,439)	$752,400
Net Income after capital	$2,660,733	$1,910,176	⬆️$750,557	$1,910,176

Investments

31 Dec 2023	31 Dec 2022	Change
$22,653,809	$18,815,052	⬆️$3,838,757

Notes:

- ICANN not co-hosting IETF-119 will have financial ramifications in our Q1 financials.
- Investment growth is recovery of losses in 2022.

IETF Administration LLC
Current Board Work

1. Updated financial support agreement with ISOC [complete]
2. Fundraising - closing critical deals in 1Q2024 [on track]
3. Fundraising - working on a targeted pitch to specific industry segments, with the first being the domain name industry [see part 3 of this presentation]
4. Fundraising - planning to apply for an ICANN grant related to the RPC function & RFC Editor (opens Mar ‘24, $10M fund - $50K-$500K awards)
5. Long-Term Financial Picture [see part 3 of this presentation]

IETF Administration LLC
Contact & Background Information

Email:

- Public feedback to the board only: LLC-Board@ietf.org
- Discussion list: admin-discuss@ietf.org
- Executive Director: exec-director@ietf.org
- Sponsorship: sponsorship@ietf.org

IETF LLC web pages of interest:

- General: https://www.ietf.org/about/administration/
- Board Meetings and Minutes: https://www.ietf.org/about/administration/llc-board/
- Financial Statements: https://www.ietf.org/about/administration/financial-statements/
- Policies: https://www.ietf.org/about/administration/policies-procedures/
- Submit a whistleblower concern: https://ietf.ethicspoint.com

IETF Finances

Part 3: Presentation to IETF at IETF 119 Brisbane

Board Chair - Jason Livingood



IETF®

Making the Internet work better

Principle of Transparency

As laid out in BCP 101 and in the IETF LLC's guiding principles - we aim for maximum transparency.

As a result, we believe it is important to clearly explain the financial path that the IETF has been on, explain fully some financial issues on which we are focused, and outline some thoughts on potential next steps.



"Whatever doesn't have a specific justification for being kept confidential is expected to be made public."

RFC 8711 / BCP 101

History of IETF Funding and Role of ISOC

- From **1983**: US government funding
- **1992**: ISOC formed in order to address IETF funding liabilities & provide corporate structure
- **2002**: ICANN awards .ORG to ISOC/PIR. This established a reliable funding stream to support the IETF.
- **2019**: IASA2 leads to formation of IETF Administration LLC & new ISOC funding agreements

References:

https://www.sobco.com/presentations/2015-05-19-isoc-history.pdf
https://www.internetsociety.org/internet/history-of-the-internet/ietf-internet-society/
https://www.internetsociety.org/history/oral-history-of-the-internet-societys-founding/



"The Internet Society was formed by a number of people with long-term involvement in the Internet Engineering Task Force (IETF). As a result, one of its principal rationales was to provide an institutional home for and financial support for the Internet Standards process."

Vint Cerf

"IETF and the Internet Society", July 1995

Key Sources of Funding
2024 IETF LLC Budget

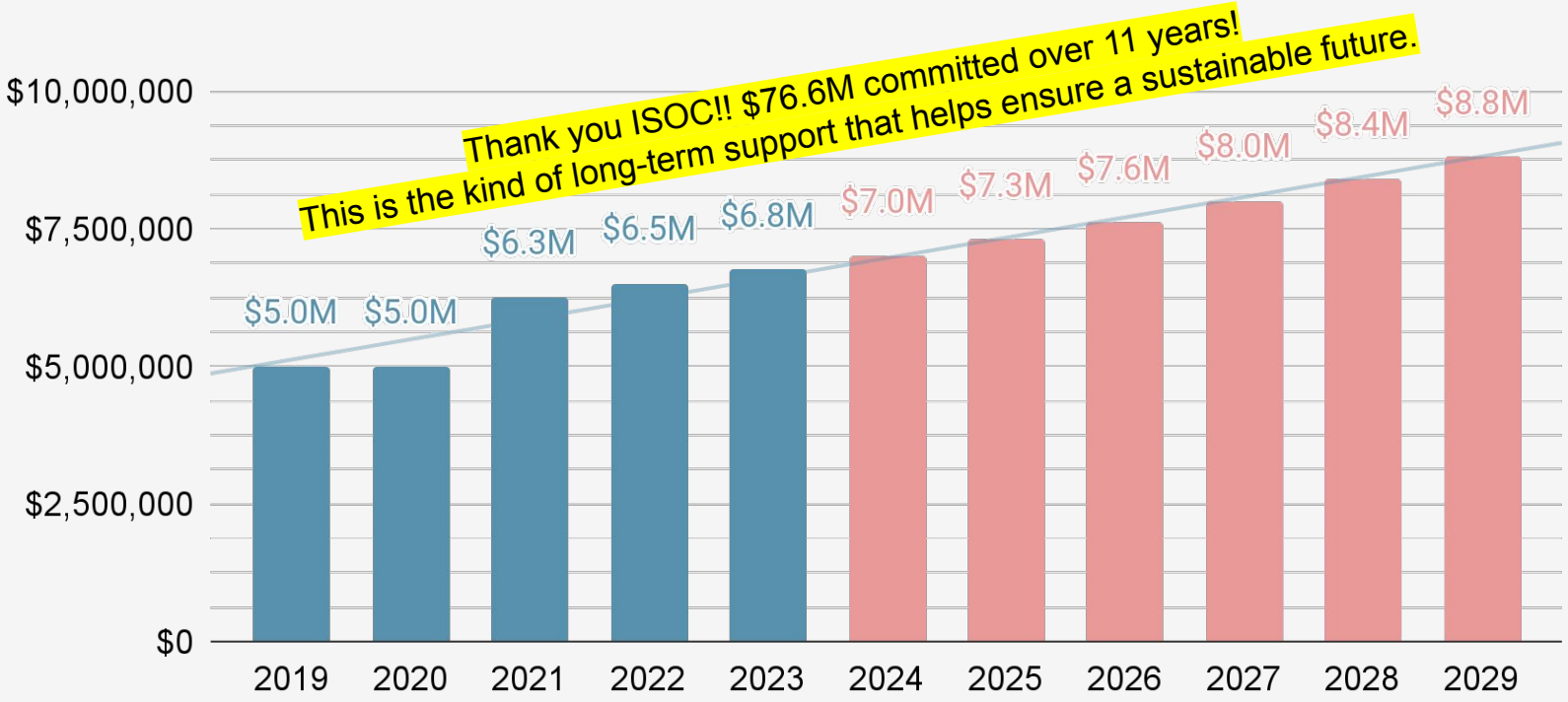
01 ISOC: **$7,020,000**
Direct funding from the Internet Society as part of a long-term financial agreement

02 Reg Fees: **$1,992,375**
Fees paid by IETF meeting attendees

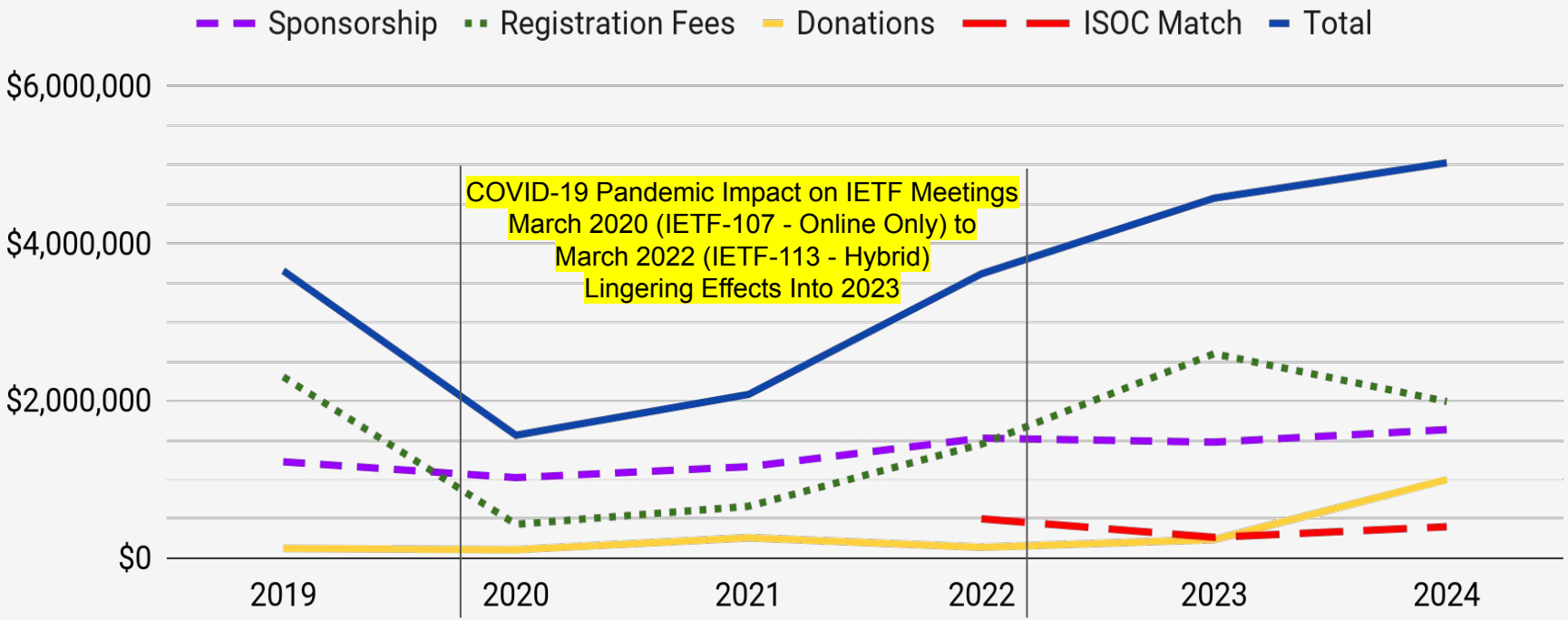
03 Sponsors: **$1,635,000**
Income from direct sponsorship agreements (not including free equipment/services).

04 Donations: **$1,000,000**
Budgeted direction donations, primarily for the IETF Endowment.

IETF LLC Income
ISOC Financial Support for Annual Operating Expenses

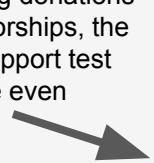


IETF LLC Income
Excluding Investments & Annual ISOC Operating Support



Public Support - *Extremely Simplified Overview*
Legal requirement of US 501(c)(3) under 509(a)(1)

IETF Meeting Registration Fees Do Matter: if meetings were free, without increased off-setting donations & sponsorships, the public support test would be even worse.





One third (33.3%) of funding is “public support”

One third of the funding is received from donations, *where no single donor gives more than 2%*. So, for each dollar ISOC gets from PIR (.org), either directly or from the ISOC Foundation, it needs 50¢ in donations. This is averaged over 5 years.



Includes IETF donations and sponsorships

The IETF LLC is considered a part of ISOC for tax purposes (a disregarded entity) and so donations to the IETF and a percentage of sponsorship funds, count towards the test.



At least 10% for “fact and circumstances”

If the one third test is missed then it can still be considered a donative charity if it can prove to the US Internal Revenue Service that it is operating as such and it gets at least 10% from donations.

ISOC is at ~17% for 2023

Internet Society: Public Support Test Overview

Public Support Test (provision of the US IRS tax code) is to show that organizations are primarily supported by the public (by other publicly supported organizations, governmental units, and/or the general public)

- Internet Society follows PST rules applicable for 501(c)(3), 509(a)(1) public charities
  - Meeting the PST allows ISOC, IETF, PIR, and the ISOC Foundation to all be 501(c)(3) public charities rather than 501(c)(3) private foundations
  - If ISOC becomes a private foundation, it will still be a 501(c)(3) but will be subject to different rules—it will not be allowed to engage in any legislative lobbying domestically or internationally, and it will have to pay a 1.39% tax on its investment portfolio, among other requirements
  - IETF, PIR, and the ISOC Foundation would also all become private foundations subject to these same rules—IETF, PIR, and the ISOC Foundation currently qualify as public charities and not private foundations only because ISOC is a public charity

Internet Society: Public Support Test Overview

Public charities must receive 33.33 % or more of their total support from donors who give less than 2% of total support, government grants, and grants from certain other public charities OR receive 10% or more of their total support from these same sources and satisfy a set of facts and circumstances

- ISOC has been relying on the 10% facts and circumstances test continuously and successfully since 2007
- Increased funding from PIR has put additional pressure on ISOC to raise public support from other sources because funding from PIR is subject to the 2% cap (as is funding from the ISOC Foundation)
- For tax purposes, the IETF LLC is considered part of ISOC (a disregarded entity), so donations to the IETF and sponsorship funds that are treated as donations for tax purposes count towards the test (subject to the same 2% limit as certain donations directly to ISOC)
- Public Support percentage is calculated using rolling 5-year data

Internet Society Public Support Percentage: 2017-2023

- as documented on ISOC's IRS Form 990 (Return of Organization Exempt from Income Tax)

5-year rolling Totals	2014-2018	2015-2019	2016-2020	2017-2021	2018-2022	2019-2023*
Total Contributions	203,372,221	207,642,593	225,437,142	230,501,053	235,304,701	221,804,659
Total Support	209,382,933	214,386,190	232,745,730	237,207,835	241,585,299	228,484,803
2% of Total Support	4,187,659	4,287,724	4,654,915	4,744,157	4,831,706	4,569,696
Total Excess Contributions	(162,527,397)	(174,472,478)	(192,655,897)	(198,120,153)	(203,691,725)	(189,574,646)
Total Public Support (net of excess)	40,844,824	33,170,115	32,781,245	32,380,900	31,612,976	32,230,012
Public Support Percentage	19.12%	15.47%	14.08%	13.65%	13.09%	14.11%

- As noted on the prior slide, ISOC has been successfully relying on the 10% facts and circumstances test since 2007
- Extraordinary PIR contribution in 2018 has reduced the proportion of public support from other sources, increasing ISOC's need to engage in additional fundraising to offset the increased funding from PIR to continue meeting the 10% requirement
- 2019-2023 rolling totals include preliminary results for 2023

IETF LLC Relationship to ISOC

Ownership and tax are two different aspects

Ownership vs. Tax Status

The IETF LLC is a single member LLC and ISOC is that single member. ISOC therefore effectively ‘owns’ the IETF LLC.

Within this ownership model, different tax statuses are possible.

The IETF LLC is a “Disregarded Entity”, which means it is considered part of ISOC for tax purposes.

The alternative is a “Corporation” where the IETF LLC is separately registered for tax.

“Disregarded Entity” means

The IETF LLC does not have a separate charitable [501(c)(3)] registration, it uses that of ISOC.

All donations to the IETF LLC are for TAX PURPOSES considered donations to ISOC. The same applies to a percentage of sponsorships. **These all affect ISOC’s public support test.**

Exploratory Q: Tax Independence for the IETF?
This is separate from legal independence

Current IETF situation is challenging

Our aim is to build an Endowment of $100m+ and live off the income, but this has problems:

- ISOC is constrained in how much it can spend on the IETF - this has meant a change in the Endowment match funding from 2:1 to 1:1 - so getting to the target is much more difficult
- Any large donation must be given over multiple years in order not to adversely affect the ISOC public support test
- Donor confusion on how donations to the IETF given ISOC's revenue stream from PIR (i.e., why does IETF need money from anyone other than ISOC)

Tax independence is difficult

What does tax independence mean?

- IETF LLC changes its tax status
- IETF LLC applies for own 501(c)(3)
- But… need to understand any impact on the ISOC public support test & many other complications. It may be a change with no benefit or net negative.

Another Approach
Develop Major New Funding Streams

To make meaningful progress in our current corporate & tax structure, we would need to develop major new funding streams.

Developing a sector-specific approach that is tailored & targeted

Next slide is an example and first initiative

Fundraising Targeting Specific Industry Segments
Example: Domain Name Industry

- ICANN, gTLDs, registries, registrars are the target segments
- The board of each of organization has a fiduciary duty to ensure the continued stability, use, and growth of the DNS
- In addition, each successful organization has a responsibility to invest back into the organization that created, maintains, and is extending the standards on which their business *solely* depends (shift from 'moocher' to 'boosters')
- The IETF created the DNS standards, is maintaining and updating those standards, and is creating new DNS resource record types & other new uses of the DNS. This maintains AND grows the internet's use of and dependence on the DNS, while maintaining its security and stability.
- Without the IETF, the domain name industry would not exist and/or their future would be at significant risk
- The domain name industry generates billions of dollars annually
- The IETF's financial need is quite modest in comparison to all of this
- IETF is asking for these targets to make *multi-year commitments* - organization size can drive whether $50,000/yr or $5M/yr., etc. is an appropriate level

Next Steps

Pursue a sector-specific fundraising approach to the domain name industry

Explore & document all of the financial issues related to a potential change in tax status for the IETF

Report back to the IETF community by IETF 120 in July

Thank You



Making the Internet work better

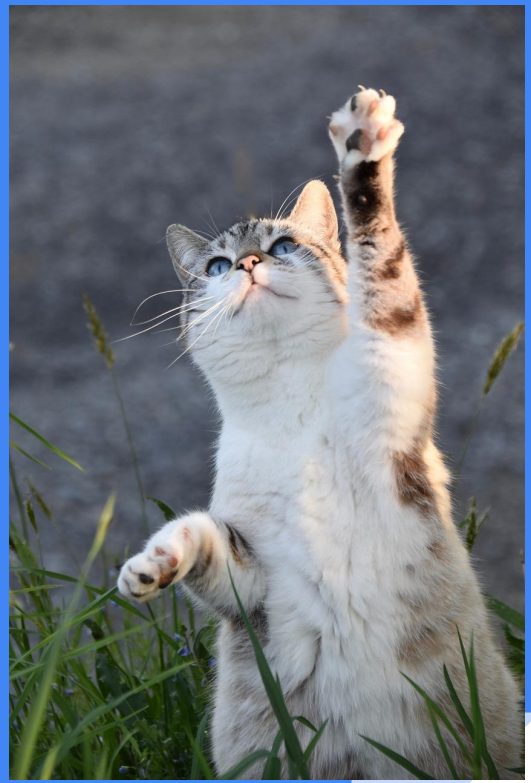


IPv6 Experiment

Warren Kumari

Moving to IPv6-Mostly

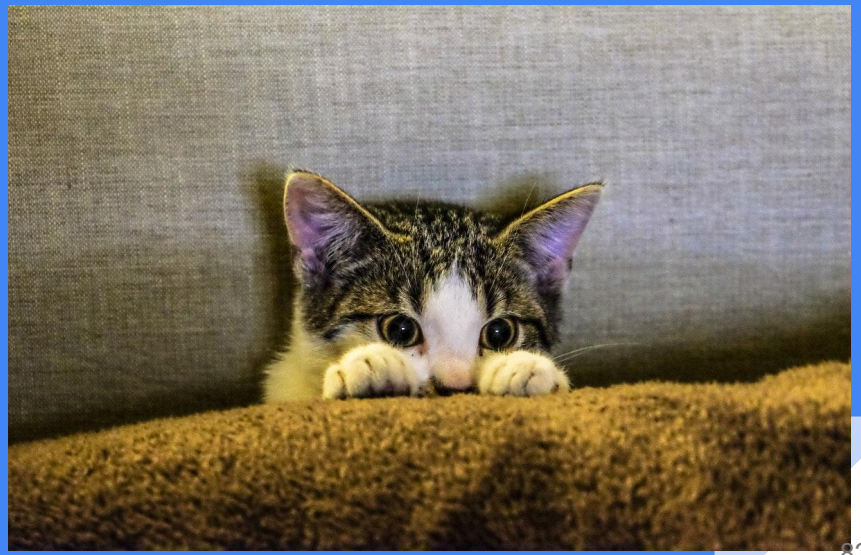
Because it’s time…





“You might know me from such presentations as...”

Moving from .1X to WPA2/3



What is this IPv6-Mostly thing anyway?

- **Clients that can operate without an IPv4 address signal this using DHCPv4 option 108 (inc. Android, iOS, Mac)**
  - **Windows should soon…**
- **If the network supports NAT64, it replies with DHCP 108 and the client disables native IPv4**
- **Clients use CLAT and NAT64 to reach IPv4-only locations, and native IPv6 for v6 capable sites**

What is this IPv6-Mostly thing anyway?

- **Clients which don’t support IPv6 only don’t include DHCP 108, and get an IPv4 address (just like they do now)**
- **We would also like to move the IPv4 space into RFC1918 and provide NAT44**

If change scares you….

- **… it scares me too!**
- **We will continue providing an IPv4 network with public IPv4 addresses…**

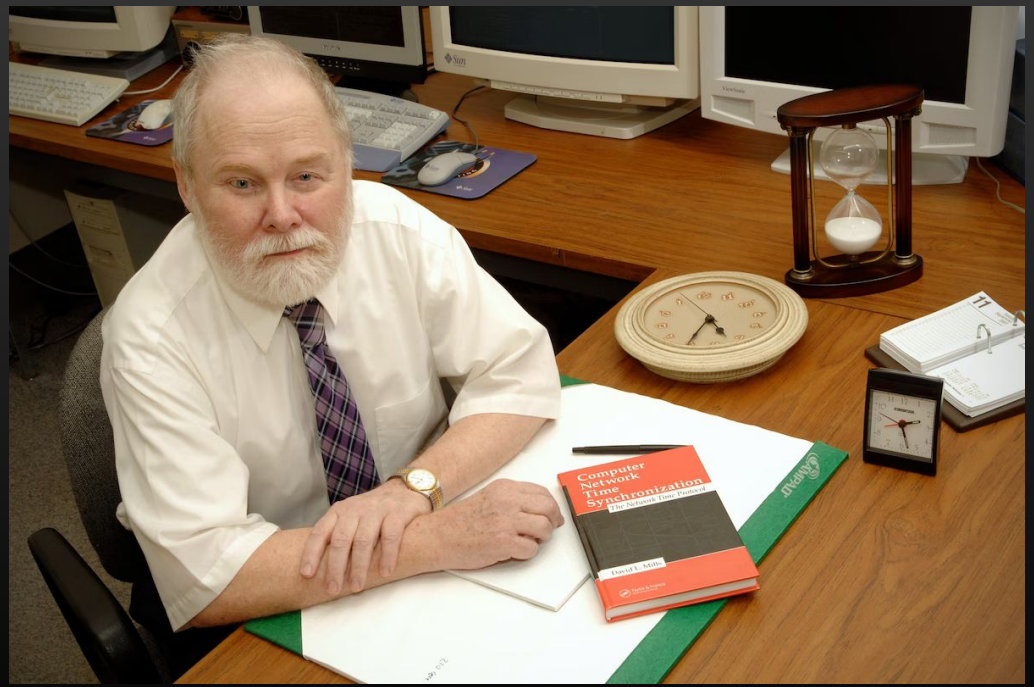
Feedback…

Tell us why this is a bad idea….



In Memoriam

David Mills



David Mills in his office at the University of Delaware in 2008. (Kathy Atkinson/University of Delaware)

Fabio Maino



In Memoriam

A Moment of Silence

IETF Administration LLC

Thank You to Outgoing Leadership & Open Microphone Session

Thank You to Outgoing Board Members



Maja Andjelkovic



Lars Eggert

LLC Open Mic



Maja Andjelkovic (outgoing)



Roman Danyliw (incoming)



Lars Eggert (outgoing)



Mirjam Kuehne



Jason Livingood, Chair



Sean Turner, Treasurer



Shauna Turner (incoming)

Internet Engineering Steering Group (IESG)

Thank You to Outgoing Leadership & Open Microphone Session

Thank You to Outgoing IESG Members



Andrew Alston
Routing Area,
2022-2024



Martin Duke
Transport Area,
2020-2024

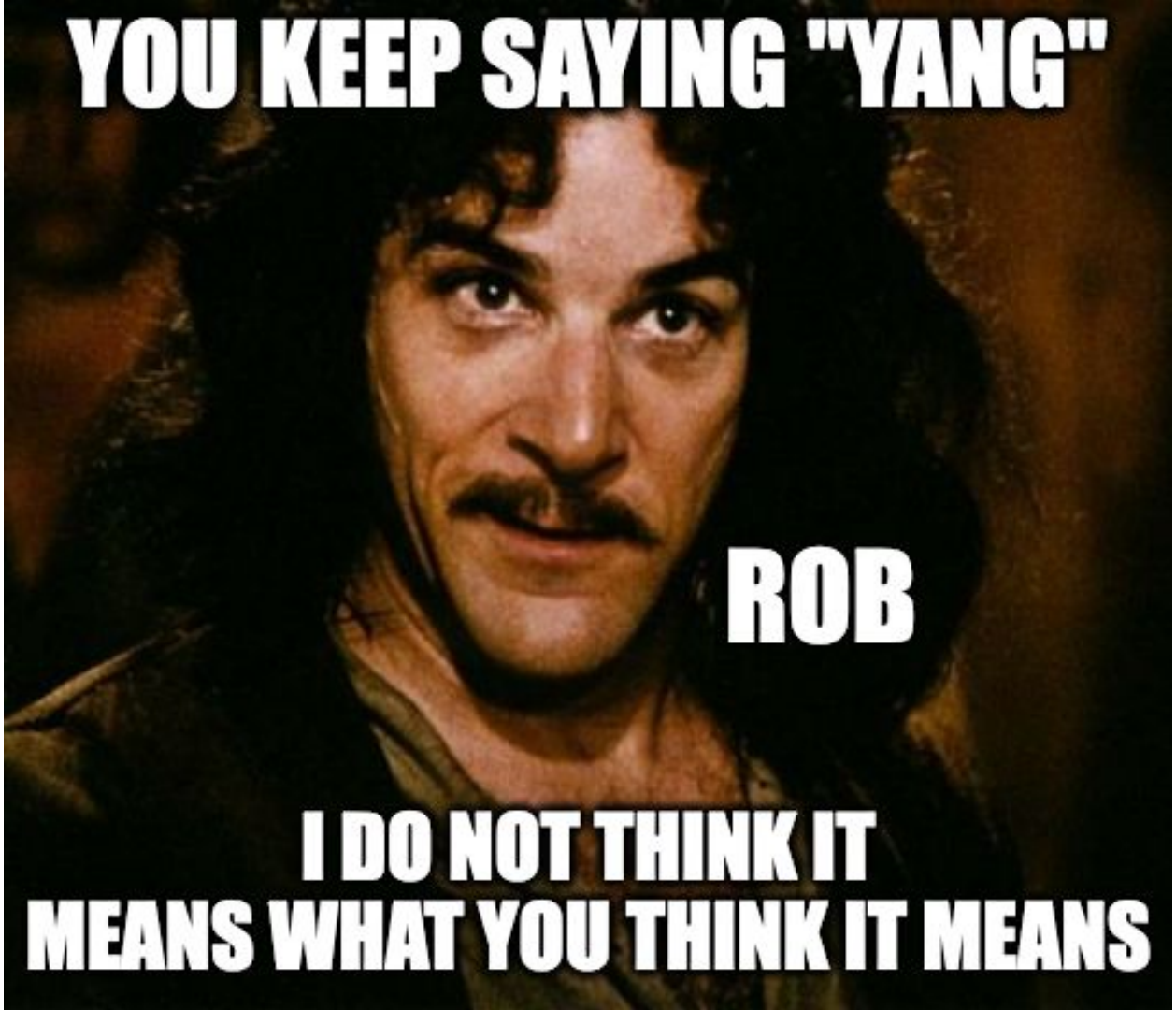


Lars Eggert
General Area,
2021-2024



Rob Wilton
Operations and Management Area,
2020-2024


days since
chaos in SRv6
ANDREW


YOU KEEP SAYING "YANG"
ROB
I DO NOT THINK IT
MEANS WHAT YOU THINK IT MEANS


TSV
38
MARTIN

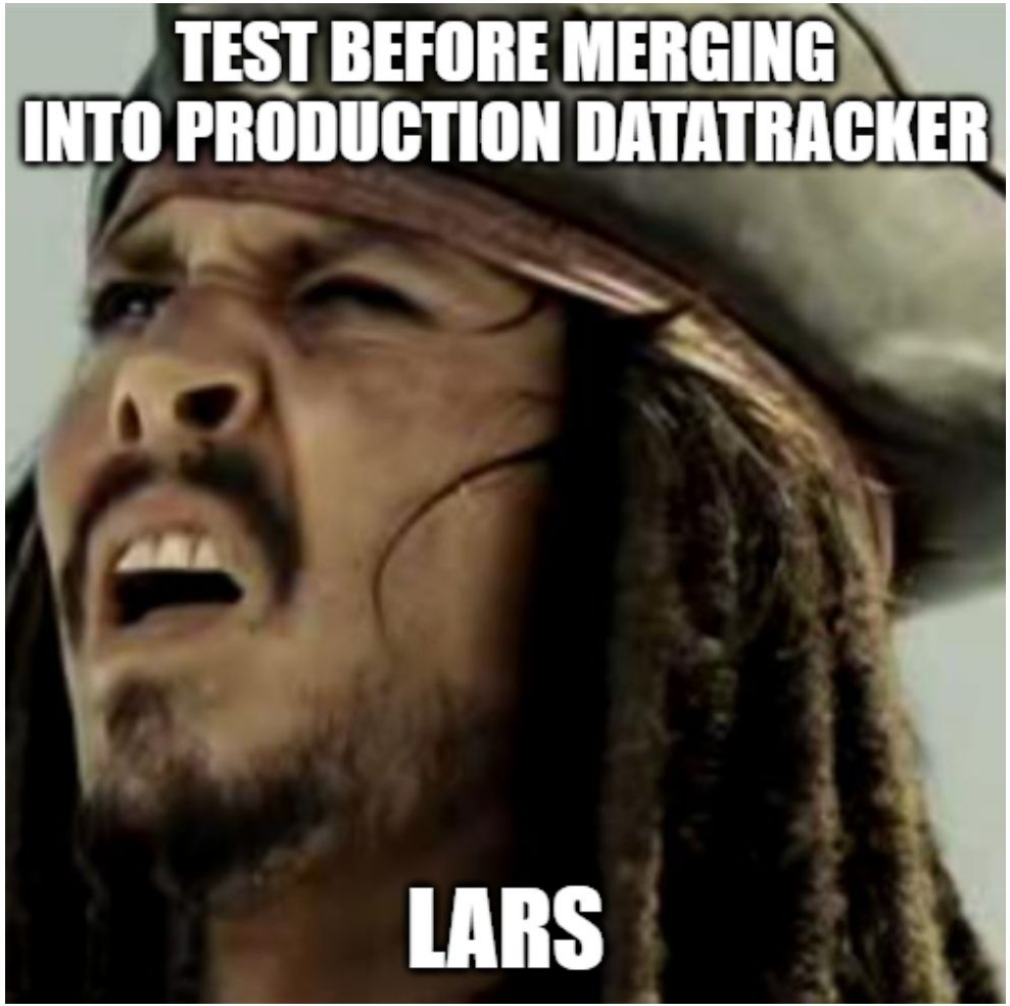

WE'LL TAKE ALL MY WORKING GROUPS FROM TSV
ZAHED
AND PUT THEM IN WIT



SEC



GEN


TEST BEFORE MERGING
INTO PRODUCTION DATATRACKER
LARS

Thank You to Outgoing IESG Members



Andrew Alston
Routing Area,
2022-2024



Martin Duke
Transport Area,
2020-2024



Lars Eggert
General Area,
2021-2024



Rob Wilton
Operations and Management Area,
2020-2024

Thank You to Outgoing IETF Chair/GEN AD



Lars Eggert
General Area,
2021-2024

IESG Open Mic

ART	RTG	WIT	OPS	SEC
 ART: Murray	 RTG: John	 WIT: Francesca (formerly ART)	 OPS: Rob (outgoing)	 SEC: Paul
 ART: Orie (incoming)	 RTG: Andrew (outgoing)	 WIT: Zahed (formerly TSV)	 OPS: Warren	 SEC: *Deb*
 GEN: Lars (outgoing)	 RTG: Jim	 INT: Erik	 OPS: Mahesh (incoming)	 Mirja *outgoing ex-officio IAB Chair*
 GEN: Roman (formerly SEC)	 RTG: Gunter (incoming)	 INT: Éric	 TSV: Martin (outgoing)	 Tommy *incoming ex-officio IAB Chair*
GEN		INT	TSV	



Internet Architecture Board (IAB)

Thank You to Outgoing Leadership & Open Microphone Session

Thank You to Outgoing IAB Members



Jiankang Yao
2020-2024



Lars Eggert
2021-2024



Mallory Knodel
2022-2024

IAB Open Mic


Alissa
(incoming)


Alvaro


Chris


Cullen


David


Dhruv


Jiankang
(outgoing)


Lars
(outgoing)


Mallory
(outgoing)


Matthew
(incoming)


Mirja


Qin


Roman
(incoming)


Suresh


Tommy
IAB Chair


Wes


Colin
Ex-officio
IRTF Chair

End of Plenary

