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 113 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

Agenda

- Welcome
  - Lars Eggert

- Host Presentation
  - Yuefeng Qiu

- Brief Updates
  - IETF
    - Lars Eggert
  - Tools Team
    - Robert Sparks
  - IAB
    - Mirja Kühlewind
  - IRTF
    - Colin Perkins
  - IETF LLC
    - Jay Daley, Jason Livingood
  - Trust
    - Glenn Deen

- Recognition

- In Memoriam

- Open Mic Sessions
  - IETF LLC, IESG, IAB
Thank you to our meeting host!
Thank you to everyone who helped make this meeting happen!
IETF Chair Report

Lars Eggert
IETF Chair Report

- Participant Statistics
- Planning for Future Meetings
- Currently Running Experiments
- Topics Covered Online
- Tools Team Update
IETF 113 Participant Statistics as of 2022-03-23

- **1387** registrations
  - **312** on-site
  - **1082** remote
- **269** fee waivers
- **231** Hackathon registrations
  - **134** on-site
  - **97** remote
  - **22** projects

Detailed attendance stats will be posted after the meeting.
IETF 113 Participant Statistics as of 2022-03-23

### Onsite

- Total: 312 participants
- United States of America: 33.0%
- Others: 24.4%
- Sweden: 2.9%
- France: 3.9%
- Spain: 4.5%
- Austria: 5.1%
- Netherlands: 5.8%
- United Kingdom: 9.3%

### Remote

- Total: 1082 participants
- United States of America: 37.1%
- Others: 22.5%
- India: 3.4%
- France: 3.8%
- United Kingdom: 3.8%
- Canada: 3.9%
- Japan: 4.9%
- Germany: 6.6%
- China: 14.1%
Planning for Future Meetings

**Tools feedback**

- Reporting issues: support@ietf.org (ticket queue)
- Feature requests: tools-discuss@ietf.org (mailing list)

**Survey**

Please fill out the IETF 113 meeting survey when it opens!

---

**Stay Home Meet Only Online (SHMOO) working group**

Develops guidelines on:
- Meeting fees
- Async meetings
- Meeting cadence and length
- Hackathon
- Cancellation considerations
- Show-of-hands tool

List: manycouches@ietf.org

Rechartering!
Currently running experiments and planned actions

- Public archive of AUTH48 conversations
- BOF deadline schedule experiment
- Creation of an "important-news" announcement list
Topics Covered Online

- 0 Appeals since IETF 112
- 1 IESG Statement since IETF 112
  - Handling Ballot Positions (2022-01-21)

- 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/
Tools Team Report

Robert Sparks
Move to GitHub

https://github.com/ietf-tools
How to Contribute

• Bug Reports and Feature Requests
  • Raise an issue or start a discussion at GitHub
  • Send email to tools-discuss@ietf.org

• Code
  • Join our Code Sprints

• Vision
  • Tools Team meetings are on the Upcoming Meetings calendar
  • Participate in Tools Workshops
    • https://github.com/ietf-tools/tools-workshops
Author Support

• Author Resource Site: authors.ietf.org
  • Documentation
  • Templates
  • Examples

• Online Conversion and Validation: author-tools.ietf.org
  • RFCXML or Markdown to rendered text, html, and pdf
  • Text to RFCXML
  • idnits, iddiff
  • All services also available through an API

• Coming soon: bibxml.ietf.org
Internet Architecture Board (IAB)

Mirja Kühlewind
IAB Report IETF-113 (Vienna)

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


The IABopen meeting will be tomorrow:

Thursday 13:00-14:00 UTC+1 (Afternoon Session I)

covering updates on documents, programs, and liaisons as well as the Analyzing IETF Data (AID) workshop report & a discussion on centralization.

For feedback or questions, feel free to send mail to iab@iab.org or iab-chair@iab.org!
New Independent Submission Editor (ISE)

- The IAB appointed Eliot Lear as the new Independent Submission Editor (ISE).
- There was a very good set of candidates for this position and the IAB would also like to thank all volunteers that were nominated and willing to serve in this role!

Welcome Eliot and thanks for serving the community in this role!

Thanks (again) Adrian for your service and your enthusiastic engagement in this role, thereby supporting the Internet community to ensure that all voices can be heard!
RFC Editor Model v3 is ready to be approved!

- The RFC Editor Future Development Program concluded its work on draft-iab-rfcefdp-rfced-model beginning of February.
- A four weeks IAB community feedback call was concluded on March 7.
- The IAB reviewed draft-iab-rfcefdp-rfced-model-12 during their call on March 9.
- draft-iab-rfcefdp-rfced-model-13 was published recently to incorporate remaining community comments and other editorial changes.
- The final version of the new RFC Editor Model (Version 3) will be approved and published together with three related documents in the IETF stream (IESG telechat March 10):
  - draft-carpenter-rfced-iab-charter (IAB Charter Update for RFC Editor Model)
    - This document is in a 2nd IETF Last Call due to non-editorial changes past IESG Review; also needs endorsement by the ISOC Board
  - draft-rsalz-2028bis (Entities Involved in the IETF Standards Process)
  - draft-rosen-rfcefdp-update-2026 (RFC Series Responsibility Change)

Thanks to everybody in the program, everybody who reviewed the draft, the editor Peter Saint-Andre, and the chairs Eliot Lear and Brian Rosen!
Appointments and Open Calls

- The IAB selected a candidate Internet Society Board of Trustees. The name will be released in late April when the full slate of Trustees has been chosen.
- The IAB re-appointed Petr Špaček to the ICANN Technical Liaison Group. Thanks for serving!
- The IAB is currently looking for a qualified volunteer to serve on the ICANN Root Server System Governance Working Group (GWG). Deadline is Monday, 2022-04-04.
  - Thanks Ted Hardie for your service!
- The IAB and IESG issued a joint call for nominations/volunteers for the RSWG Chairs. Deadline is Monday, 2022-04-18.
  
Please volunteer or nominate your favourite candidate by sending mail to execd@iab.org!

We would really like to see more diversity in the candidate pools!
Internet Research Task Force (IRTF)

Colin Perkins
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 and technologies
• Two award talks for IETF 113 yesterday:
  • Sangeetha Abdu Jyothi for her work on the resilience of the Internet infrastructure to solar superstorms
  • Bruce Spang for his work showing that networking algorithm A/B tests can be biased because of network congestion
• Talks available at [https://irtf.org/anrp/](https://irtf.org/anrp/) and the IETF Channel on YouTube
Applied Networking Research Workshop

• ACM/IRTF Applied Networking Research Workshop (ANRW) 2022 will co-locate with IETF 114 in July 2022
• TPC chairs: Taejoong (Tijay) Chung and Marwan Fayed
• Paper submissions due 27 April 2022
• https://irtf.org/anrw/2022/

• Forum for researchers, vendors, operators, and the Internet standards community to present and discuss emerging results in applied networking research
IETF Administration LLC
Thank you to the IETF 113 sponsors

Equipment and Services Sponsors

- Cisco
- Juniper Networks
- Webex Meetings
Thank you to the IETF 113 sponsors

Gold Diversity and Inclusivity Sponsors

Akamai

Cisco
IETF Administration LLC
Thanks to the many generous volunteers

Codesprint
- Jari Arkko
- Ryan Cross
- Lars Eggert
- Nicolas Giard
- Russ Housley
- Tero Kivinen
- Kesara Rathnayake
- Jennifer Richards
- Robert Sparks
- Éric Vyncke
- Greg Wood
- Peter Yee

NOC
- Bill Fenner (Arista)
- Bill Jensen (University of Wisconsin–Madison)
- Clemens Schrimpe
- Hans Kuhn (NSRC)
- Hirochika Asai (Preferred Networks/WIDE)
- Joe Clarke (Cisco)
- Karen O'Donoghue (ISOC)
- Lucy Lynch
- Rob Austein (Arrcus/DRL)
- Warren Kumari (Google)
Thanks to the entire hard working team:

**Secretariat**
- Alexa Morris
- Amy Vezza
- Cindy Morgan
- Glen Barney
- Jasmine Magallanes
- Jenny Bui
- Laura Nugent
- Liz Flynn
- Maddy Master
- Ryan Cross
- Stephanie McCammon
- Tina Dang

**NOC**
- Con Reilly
- Nick Kukich
- Rick Alfvin
- Stetson Alfvin
- Sean Croghen

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

**Tools**
- Jennifer Richards
- Margaret Cullen
- Mark Donnelly
- Robert Sparks

**LLC**
- Greg Wood
- Lee-Berkeley Shaw
- Kesara Rathnayake
- Nick Giard
IETF 114 Philadelphia
23-29 July 2022

Sponsorship opportunities available!
Contact: sponsorship@ietf.org
## Future meeting locations and venues

<table>
<thead>
<tr>
<th>MEETING LOCATION</th>
<th>VENUE</th>
<th>DATES</th>
<th>HOSTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>IETF 114 – Philadelphia</td>
<td>Philadelphia 201 Hotel</td>
<td>July 23 – 29, 2022</td>
<td>Comcast/NBCUniversal</td>
</tr>
<tr>
<td>IETF 115 – London</td>
<td>Hilton London Metropole</td>
<td>November 5-11, 2022</td>
<td>*</td>
</tr>
<tr>
<td>IETF 116 – Asia</td>
<td>TBA</td>
<td>March 25-31, 2023</td>
<td>*</td>
</tr>
<tr>
<td>IETF 117 – San Francisco</td>
<td>Hilton Union Square</td>
<td>July 22-28, 2023</td>
<td>*</td>
</tr>
<tr>
<td>IETF 118 – Prague</td>
<td>Hilton Prague</td>
<td>November 4-10, 2023</td>
<td>*</td>
</tr>
<tr>
<td>IETF 119 - Asia</td>
<td>TBA</td>
<td>March 16-22, 2024</td>
<td>*</td>
</tr>
<tr>
<td>IETF 120 - Vancouver</td>
<td>Hyatt Regency Vancouver</td>
<td>July 20-26, 2024</td>
<td>*</td>
</tr>
<tr>
<td>IETF 121 - TBA</td>
<td>TBA</td>
<td>November 2-8, 2024</td>
<td>*</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Ticket Type</th>
<th>Onsite Registrations</th>
<th>Remote Registrations</th>
<th>Budget</th>
</tr>
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<tbody>
<tr>
<td>Early Bird</td>
<td>154</td>
<td>378</td>
<td>300</td>
</tr>
<tr>
<td>Standard</td>
<td>59</td>
<td>157</td>
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<tr>
<td>Late</td>
<td>14</td>
<td>88</td>
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</tr>
<tr>
<td>Student</td>
<td>25</td>
<td>37</td>
<td>20</td>
</tr>
<tr>
<td>One-day</td>
<td>17</td>
<td>125</td>
<td>20</td>
</tr>
<tr>
<td>Waivers</td>
<td>-</td>
<td>269</td>
<td>-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>269</strong></td>
<td><strong>1,054</strong></td>
<td><strong>1,040</strong></td>
</tr>
</tbody>
</table>
IETF Endowment

- **IETF Endowment purpose and goals**
  - Created to support the IETF and its activities
  - Financial independence for IETF, long-term sustainability
  - Diversity of income - not reliant on any single funder
  - Goal of US$50M by 2027

- **Matching Fund Opportunity**
  - In 2021, Internet Society pledged up to US$30M in matching funds for gifts made to the IETF Endowment
    - 2:1 match on first US$12M; 1:1 match on subsequent US$6M
  - 2021 Donors Include: RIPE NCC (€100k), LACNIC (US$100k), Google (US$20K), and over a dozen individual donations
    - Raised US$239,550 which, with match, is US$718,650 for IETF Endowment

- For more information about the IETF Endowment, please contact Director of Development Lee-Berkeley Shaw at LBShaw@staff.ietf.org
IETF Administration LLC
Who serves on the Board?

Maja Andjelkovic

Lars Eggert

Jason Livingood, Chair

Sean Turner, Treasurer

Peter Van Roste
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/meeting-info](https://www.ietf.org/about/groups/llc-board/meeting-info)
IETF Administration LLC
Current Board Work

1. Made changes to the investment policy following recommendations from Goldman Sachs
2. Worked with the Executive Director, IESG, IAB, IRTF, NOC team, partners/suppliers, and others to execute our first hybrid meeting (this meeting)
3. Assessing potential policy needs related to anti-trust risks & issues
4. Making legal & benefits-related arrangements for shift of employment location of the Executive Director from New Zealand to the United Kingdom
5. Planning annual strategy planning retreat
6. Increasing focus on fundraising progress
# IETF Administration LLC
## Previous Fiscal Year Operating Budget

### December balances, original budget

<table>
<thead>
<tr>
<th></th>
<th>YTD Actual</th>
<th>YTD Budget</th>
<th>YTD Variance %</th>
<th>Annual Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenue</strong></td>
<td>$4,269,179</td>
<td>$10,594,377</td>
<td>(40%)&lt;sup&gt;1&lt;/sup&gt;</td>
<td>$10,594,377</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td>$6,800,067</td>
<td>$8,989,827</td>
<td>24%</td>
<td>$8,989,827</td>
</tr>
<tr>
<td><strong>Capital Investment</strong></td>
<td>$207,048&lt;sup&gt;2&lt;/sup&gt;</td>
<td>$585,000</td>
<td>65%</td>
<td>$585,000</td>
</tr>
<tr>
<td><strong>Net Income after capital</strong></td>
<td>($2,737,937)</td>
<td>$1,019,550</td>
<td>(268%)</td>
<td>$1,019,550</td>
</tr>
</tbody>
</table>

### Investments

<table>
<thead>
<tr>
<th>Date</th>
<th>Initial Investment</th>
<th>Change</th>
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<tr>
<td>31 Dec 2021</td>
<td>$21,068,692</td>
<td>$1,767,047</td>
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<tr>
<td>31 Dec 2020</td>
<td>$19,301,645</td>
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</tr>
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</table>

<table>
<thead>
<tr>
<th>Notes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;sup&gt;1&lt;/sup&gt; ISOC funding for 2021 was recognised in 2020.</td>
</tr>
<tr>
<td>&lt;sup&gt;2&lt;/sup&gt; Capital is retrospectively calculated at end of year</td>
</tr>
</tbody>
</table>
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/
  - Future Meetings: https://www.ietf.org/about/administration/llc-board/
  - Past Meeting Minutes: https://www.ietf.org/about/administration/llc-board/minutes/
  - 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
Thank You

Making the Internet work better
IETF Trustees

Glenn Deen
Chair

Kathleen Moriarty
Treasurer

Joel Halpern

John Levine

Stephan Wenger
IETF Trust Purpose

Enable usage of IP Assets while protecting ownership

Hold IP Assets for IETF, IANA, ICANN, Internet Community

Domain ownership
  IETF.ORG, IESG.ORG, IRTF.ORG, IAB.ORG, IANA.ORG,…

Copyrights
  IETF RFC’s, Logos, Photos, Videos
  Contributions to the IETF: Internet Drafts, discussions, etc.

Trademarks
  IETF, IANA Marks, additional IETF marks (logos etc.)

Software
  IETF Tools, IETF YANG Catalog
Trust Structure

- Commonwealth of Virginia Trust
- IRS 501c3 Non-Profit
- Independent from ISOC and IETF Administration LLC
- Website: trustee.ietf.org
- 5 Trustees
  - IETF Nomcom 3, IESG 1, ISOC BoT 1
  - No financial support (travel or compensation)
  - Knowledge of IP law useful
  - Trustees are personally legally responsible/owners
- Annual budget ~100K
  - Legal & Administration Services, TM Registrations,
  - Document Storage (IETF bluesheets, other materials)
  - Domain Registrations, Trustee Insurance
Insurance Coverage

Trust Insurance Concerns
- The IETF Trust carries $1 million Professional Liability and $3 million Directors & Officers insurance.
- Levels are out of date having not kept up with inflation or risk levels.
- Trust has tried to increase these amounts to appropriate levels.
  - Current insurance provider won’t increase coverage limits.
  - Very few companies providing insurance to trusts.
- Quite possible that coverage may one day become unavailable from any source.

Impacts
- Without adequate insurance the Trust and Trustees face a significant risk.
- Without any insurance the Trust would be very high risk.
- Trustees have personal liability.

Discussion
- Insurance companies don’t like trusts due to their extensive use in family real-estate/wealth holding and tax optimization strategies.
- Insurance Companies are comfortable with not-for-profit corporations.
  - Large marketplace of insurance providers.
  - Pricing more competitive due to large marketplace.
Trustee Personal Liability

The IETF Trust is a Virginia Common Law Trust
❖ Trustees aren’t just managing officers – they are the owners of the Trust & Trust assets
❖ Trademark (TM) Registrations are a good example
  ➢ Individual Trustees are listed along with the IETF Trust in registrations as the owners
  ➢ Some TM Registrations don’t allow trusts to listed leaving IETF Trustees as the direct owners
❖ IETF Trust’s legal liabilities can carry over into individual Trustees legal liabilities
❖ Trustees sign IETF Trustee Agreement acknowledging role, responsibilities and risk when joining
  ➢ This is one agreement you really want to read before signing

Impact
● Many potential trustees have avoided being IETF Trustees due to the required personal risk
● Trustees take on direct personal liability as owners of IETF Trust

Discussion
● Corporations directly own IP Assets and can register them worldwide
● IETF Trustees act, and community expectations, are very much like corporate directors
  • They oversee but do not personally own
● Corporate directors have better legal separation protections from personal liability
Exploring restructuring IETF Trust to a not-for-profit corporation

What would change:
- All IETF Trusts assets would transfer
- All current licenses would transfer
- Trustees would no longer be owners – demoted to directors
- Would move from Virginia to Delaware (same place as IETF LLC)

What would be the same:
- Role & Service to IETF & Internet Communities
- All Licenses terms would stay the same
- Would stay non-profit (501c3) entity
- Selection of Directors would follow process per RFC 8714
  - 5 Directors: 1 from IESG, 1 from ISOC, 3 from IETF nomcom
Why not fold under IETF LLC?

IETF Administration LLC is a disregarded entity of ISOC
- ISOC is the ultimate owner of the IETF LLC
- ISOC is also the owner of PIR (Public Interest Registry)

IETF Trust 2005 founding agreement signed by CNRI & ISOC
(source: https://trustee.ietf.org/documents/founding-documents)
- Restricts IETF Trust’s assets going to either CNRI or ISOC upon dissolution
- Folding under IETF LLC would be putting Trust assets under ISOC

IANA 2016 Transition transferred IANA assets to IETF Trust
(source: https://trustee.ietf.org/iana-ipr)
- IETF Trust chosen as an independent party to hold & protect IANA assets
- Expanded IETF Trust’s community to include ICANN + Names & Numbers
- Folding under IETF LLC would put IANA assets under ISOC a Registry Op.

IETF Trustees believe that folding under IETF Administration LLC would break agreements & expectations with the community and with past IP contributors
IETF Trustees are going to hold a consultation with the Trust communities
- IETF Community
- ICANN
- RIRs Community

Want to hear to community thoughts
- Mailing list: tlp-interest@ietf.org

Will hold a webinar in April 2022 for discussion
Recognition

Thank you to outgoing leadership
Outgoing IAB members - Thank you!

Ben Campbell  
Jared Mauch
Outgoing IESG members - Thank you!

Benjamin Kaduk  
Security Area

Martin Vigoureux  
Routing Area
In Memoriam
Susan R. Harris
June 6, 1946 - March 6, 2022
IETF Administration LLC
Open Microphone Session
LLC Open Mic

Maja Andjelkovic
Lars Eggert
Jason Livingood, Chair
Sean Turner, Treasurer
Peter Van Roste
Internet Engineering Steering Group (IESG)
Open Microphone Session
## IESG Open Mic

<table>
<thead>
<tr>
<th>ART</th>
<th>RTG</th>
<th>TSV</th>
<th>INT</th>
<th>OPS</th>
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</thead>
<tbody>
<tr>
<td>Murray</td>
<td>Martin</td>
<td>Martin</td>
<td>Erik</td>
<td>Rob</td>
</tr>
<tr>
<td>Francesca</td>
<td>Alvaro</td>
<td>Zahed</td>
<td>Éric</td>
<td>Warren</td>
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<tr>
<td>Lars</td>
<td>John</td>
<td>Roman</td>
<td>Benjamin</td>
<td>Mirja</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>outgoing</td>
<td>ex-officio IAB Chair</td>
</tr>
</tbody>
</table>

**GEN**

<table>
<thead>
<tr>
<th>Andrew incoming</th>
<th>Paul incoming</th>
</tr>
</thead>
</table>

SEC


Internet Architecture Board (IAB)
Open Microphone Session
IETF Trust

Open Microphone Session
IETF Trust Open Mic

Glenn Deen, Chair
Kathleen Moriarty, Treasurer
Joel Halpern
John Levine
Stephan Wenger