IETF 112 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

- Welcome

- Brief Updates
  - IETF
  - IAB
  - IRTF
  - RFC Editor
  - NomCom
  - IETF LLC

- Open Mic Sessions

IAB, IETF LLC, IESG
Thank you to our meeting host!
Thank you to everyone who helped make this meeting happen!

- Secretariat
- Meetecho
- NOC
- LLC
- Tools Team
- Hackathon Support
IETF Chair Report

Lars Eggert
IETF Chair Report

- Participant statistics
- Planning for Future Meetings
- Currently running experiments
- Topics Covered Online
- tools.ietf.org transition
- Education, Mentoring, and Outreach Directorate (emodir) update
IETF 112 Participant Statistics as of 2 November

- **1037** registrations
- **210** fee waivers
- **200** Hackathon registrations
  - **17** projects

- Detailed attendance stats will be posted after the meeting
# Planning for Future Meetings

## Tools feedback

### Reporting issues
- [support@ietf.org](mailto:support@ietf.org) (ticket queue)

### Feature requests
- [tools-discuss@ietf.org](mailto:tools-discuss@ietf.org) (mailing list)

## Survey

Please fill out the IETF 112 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](mailto:manycouches@ietf.org)

Rechartering!
Currently running experiments

- Plenary experiment
- Online welcome reception
- HotRFC
- BOF deadline schedule experiment
- RFC 8989 NomCom eligibility experiment
- 360-degree reviews for ADs
Topics Covered Online

- 0 Appeals
- 1 IESG Statement
  - Report on the RFC 8989 experiment

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.ietf.org transition

As announced last May, the services at tools.ietf.org are being replaced, and tools.ietf.org will be wound down before IETF 113.

In particular, xml2rfc.tools.ietf.org will be replaced with new bibxml and document conversion services.

We are redirecting to the new services as they become available and tracking where they are located at https://github.com/ietf-tools/tools-transition-plan
emodir strives to enhance the productivity of IETF work, expand the diversity and inclusiveness of the IETF, and enable the IETF to facilitate technical development and innovation in the Internet.

open to any IETF participant...

Thanks to Joey Salazar for her contributions as co-coordinator

Join the discussion on the mailing list (https://www.ietf.org/mailman/listinfo/emo-dir)

Learn more about emodir activities (https://trac.ietf.org/trac/emodir/wiki)
IAB Report IETF-112

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


The IABopen meeting will be Thursday, Nov 11 (covering technical discussions on workshops & documents as well as community input):

Thursday 15:30-16:30 UTC+1 (Session II)

https://datatracker.ietf.org/meeting/112/materials/agenda-112-iabopen

For feedback or questions, feel free to send mail to iab@iab.org or iab-chair@iab.org!
Workshop on Analysing IETF Data (AID)
Nov 29 - Dec 2, 2021, 14:00-18:00 UTC, online

This workshop aims to enable engineers and researchers alike to mine the IETF’s data sources in order to explore trends through the analysis of IETF data, such as email archives, I-Ds, RFCs, and the datatracker. This work can be used to derive insights into the inner workings of the process of standardization, participation, and governance.

Workshop committee: Niels ten Oever, Colin Perkins, Corinne Cath, Mirja Kühllewind, Zhenbin, Li, Wes Hardaker

For position papers and further information see: https://www.iab.org/activities/workshops/aid/
The RFC Editor Future Development Program

• Developed a new model for RFC Editor function
  • In the proposed, new model the community oversees the evolution of the series by means of an open working group. Proposed changes that reach rough consensus will be reviewed by an RFC Series Approval Board (RSAB) that consists of the RSCE and people representing the various streams.
  • The RFC Editor role is changing to that of a consulting editor (RFC Series Consulting Editor or RSCE). In this model, an expert will provide guidance to the community, the streams, and to the RPC to evolve the series.
  • The IAB will no longer manage or oversee the RFC series. The community and the streams will do that. The IAB will continue to be in the appeal path if there are disputes.

• Program last call for draft-iab-rfced-future-rfced-model is open until Nov 5
• You can also provide feedback in the community last call, or right now on the mailing list: rfced-future@iab.org
• Also join the next (and final) meeting Wednesday, Nov 10, 15:30 UCT+1
Independent Submission Editor (ISE)

Adrian Farrel is stepping down as Independent Submission Editor (ISE) at the end of his current term in February 2022.

Adrian, thanks for everything you have done in the last (nearly) 4 years to improve the ISE function for our community by using this role also as an advocate for inclusivity!

Nominations or suggestions for candidates are welcome at ise-search22@iab.org.
Appointments and Open Calls

- **Thanks to Vittorio Bertola** for serving on the 2022 ICANN Nominating Committee!
- **Thanks to John Klensin** for many years of service in the position as liaison manager for ISO/TC46!
- **Welcome and thanks to Peter Koch** as the new liaison manager for ISO/TC46!
- **Thanks to Richard Barnes** for his 6 years of service on the Internet Society (ISOC) Board of Trustees (BoT)!
- **Open call for the ISOC BoT until Jan 4, 2022**!

  Please volunteer or nominate your favourite candidate!

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

Colin Perkins
Internet Research Task Force
Plenary Report

Colin Perkins
IRTF Chair

IETF 112 / 3 November 2021
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
ANRP awards for IETF 112 will go to:

- **Thomas Wirtgen** for his work on the extensibility of BGP implementations & other routing protocols

- **Aqsa Kashaf** for her work studying the effects of third-party service dependencies in the Internet

- **Kevin Bock** for his work on Internet censorship

Watch the award talks during the IRTF Open Meeting, Tuesday, 9 November, 16:00 UTC or at [https://irtf.org/anrp/](https://irtf.org/anrp/)
Nominations are open for ANRP 2022

Deadline: 19 November 2021

https://irtf.org/anrp/
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFRG</td>
<td>Crypto Forum Research Group</td>
</tr>
<tr>
<td>COIN</td>
<td>Computation in the Network</td>
</tr>
<tr>
<td>DINRG</td>
<td>Decentralised Internet Infrastructure</td>
</tr>
<tr>
<td>GAIA</td>
<td>Global Access to the Internet for All</td>
</tr>
<tr>
<td>HRPC</td>
<td>Human Rights Protocol Considerations</td>
</tr>
<tr>
<td>ICCRG</td>
<td>Internet Congestion Control</td>
</tr>
<tr>
<td>ICNRG</td>
<td>Information-centric Networking</td>
</tr>
<tr>
<td>MAPRG</td>
<td>Measurement and Analysis for Protocols</td>
</tr>
<tr>
<td>NMRG</td>
<td>Network Management</td>
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<tr>
<td>NWCRG</td>
<td>Network Coding for Efficient Network Communications</td>
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<tr>
<td>PANRG</td>
<td>Path Aware Networking</td>
</tr>
<tr>
<td>PEARG</td>
<td>Privacy Enhancements and Assessments (proposed)</td>
</tr>
<tr>
<td>QIRG</td>
<td>Quantum Internet</td>
</tr>
<tr>
<td>T2TRG</td>
<td>Thing-to-Thing</td>
</tr>
</tbody>
</table>

“An IRTF Primer for IETF Participants” – RFC 7418
RFC Editor

John Levine
Who am I?

• There is currently no RFC Series Editor
• I’m holding the fort until sometime in 2022
• RSE duties currently split between the RSOC and me
RFCs in XML

• Over 460 RFCs published since October 2020
• Still issues with PDF output
  • PDF is generated from HTML, some issues seem unfixable
• Since output is not canonical, how much do we care?
  • We can re-render as we improve the tools
• Publication Service Level Agreement in effect again
  • Same SLA as before the XML transition
  • RPC is meeting the SLA
RFC Tools

- Tools still leave something to be desired
  - No XML diff, for example
- Would like better tools to edit I-D’s and produce XML
- Down the road, tools for AUTH48 and author approval
  - Ongoing experiments in github
- Do we want to use a version of markdown for the whole process?
XML vocabulary

• We expected changes after V3, and we got some
• Changes have been reviewed, most accepted, a few not
• Plan to back out some changes
  • Hope to revise coding (not text) and reissue RFCs in final v3 format
• Also need to update RFCs that describe v3
• Issues with SVG
  • We picked a little used subset
  • Need to reconcile what tools do with what we allow
Nominating Committee (NomCom)

Gabriel Montenegro
What NomCom needs from IETF community
Please respond to recent Call for Community Feedback
Provide Feedback by November 23

Please provide feedback on nominees via:
https://datatracker.ietf.org/nomcom/2021/feedback/

It is also possible to provide feedback not specific to any given nominee (“Topics” in the feedback page)
• Scope: Only that which could be useful for NomCom 2021 to fulfill its job

Help us reflect the community!

All this is subject to NomCom confidentiality (only seen by the NomCom 2021 members)
• Not a venue for public discussion
Thanks to All Nominees and to the “almost” Nominees

We have 30 Nominees

We have 32 nominations
• Hence, 32 interviews to conduct starting next week
• Note: 2 nominees are vying for 2 positions each

Huge thanks to the nominees!

Also wish to thank those who were nominated, considered acceptance but for some reason did not continue.

*Please offer your service next time!*
How to Reach NomCom

NomCom web page:  
https://datatracker.ietf.org/nomcom/2021/

Contact:  
Chair: Gabriel Montenegro nomcom-chair-2021@ietf.org  
Announcements:  https://datatracker.ietf.org/nomcom/ann/#2021  
To reach the whole NomCom: nomcom-2021@ietf.org
Thank you to the IETF 112 Host
Thank you to the IETF 112 sponsors

Equipment and Services Sponsors

- Cisco
- Juniper Networks
- Webex Meetings
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Gold Diversity and Inclusivity Sponsors

Akamai

CISCO
IETF Administration LLC
Thank you to the IETF 112 sponsors

Silver Sponsor
Diversity & Inclusivity Sponsor

Bronze Sponsors
Diversity & Inclusivity Sponsors

Running Code Sponsor
IETF Administration LLC
Thanks to the many generous volunteers

**Codesprint**
Carsten Bormann
Éric Vyncke
Jennifer Richards
Jim Fenton
Lars Eggert
Mark Donnelly
Michael Richardson
Rich Salz
Robert Sparks
Russ Housley
Ryan Cross
Valery Smyslov

**NOC**
Bill Fenner (Arista)
Bill Jensen (University of Wisconsin–Madison)
Chris Morrow (Google)
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)
# IETF Administration LLC

Thanks to the entire hard working team

<table>
<thead>
<tr>
<th>Secretariat</th>
<th>NOC</th>
<th>Tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alexa Morris</td>
<td>Con Reilly</td>
<td>Jennifer Richards</td>
</tr>
<tr>
<td>Amy Vezza</td>
<td>Nick Kukich</td>
<td>Margaret Cullen</td>
</tr>
<tr>
<td>Cindy Morgan</td>
<td>Rick Alfvin</td>
<td>Mark Donnelly</td>
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<tr>
<td>Glen Barney</td>
<td>Sean Crogham</td>
<td>Robert Sparks</td>
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<tr>
<td>Jasmine Magallanes</td>
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<tr>
<td>Jenny Bui</td>
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<tr>
<td>Laura Nugent</td>
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<tr>
<td>Liz Flynn</td>
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<tr>
<td>Maddy Conner</td>
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<tr>
<td>Ryan Cross</td>
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<tr>
<td>Stephanie McCammon</td>
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<tr>
<td>Tina Dang</td>
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<tr>
<td>Meetecho</td>
<td></td>
<td>LLC</td>
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<tr>
<td>Alessandro Amirante</td>
<td></td>
<td>Greg Wood</td>
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<tr>
<td>Alessandro Toppi</td>
<td></td>
<td>Lee-Berkeley Shaw</td>
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<tr>
<td>Lorenzo Miniero</td>
<td></td>
<td>Kesara Rathnayake</td>
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<tr>
<td>Paolo Saviano</td>
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<td>Nick Giard</td>
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<tr>
<td>Simon Pietro Romano</td>
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<tr>
<td>Tobia Castaldi</td>
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IETF 113 TBA
19-25 March 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>
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<tbody>
<tr>
<td>IETF 113 – TBA</td>
<td>TBA</td>
<td>March 19 – 25, 2022</td>
<td>*</td>
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<tr>
<td>IETF 114 – Philadelphia</td>
<td>Philadelphia 201 Hotel</td>
<td>July 23 – 29, 2022</td>
<td>Comcast/NBCUniversal</td>
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<tr>
<td>IETF 115 – Europe</td>
<td>TBA</td>
<td>November 5-11, 2022</td>
<td>*</td>
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<tr>
<td>IETF 116 – Asia</td>
<td>TBA</td>
<td>March 25-31, 2023</td>
<td>*</td>
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<tr>
<td>IETF 117 – San Francisco</td>
<td>Hilton Union Square</td>
<td>July 22-28, 2023</td>
<td>*</td>
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<tr>
<td>IETF 118 – Prague</td>
<td>Hilton Prague</td>
<td>November 4-10, 2023</td>
<td>*</td>
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<tr>
<td>IETF 119 - Asia</td>
<td>TBA</td>
<td>March 16-22, 2024</td>
<td>*</td>
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<tr>
<td>IETF 120 - Vancouver</td>
<td>Hyatt Regency Vancouver</td>
<td>July 20-26, 2024</td>
<td>*</td>
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</tbody>
</table>

* Please contact sponsorship@ietf.org if interested in sponsoring a meeting
## IETF Administration LLC
**Registration numbers as of 2 November**

<table>
<thead>
<tr>
<th>Ticket Type</th>
<th>Registered</th>
<th>Budget</th>
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<tbody>
<tr>
<td>Early Bird</td>
<td>443</td>
<td>650</td>
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<tr>
<td>Standard</td>
<td>255</td>
<td>150</td>
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<tr>
<td>Late</td>
<td>37</td>
<td>10</td>
</tr>
<tr>
<td>Student</td>
<td>38</td>
<td>20</td>
</tr>
<tr>
<td>One-day</td>
<td>54</td>
<td>20</td>
</tr>
<tr>
<td>Waivers</td>
<td>210</td>
<td>-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>1,037</strong></td>
<td><strong>850</strong></td>
</tr>
</tbody>
</table>
IETF Administration LLC
Staff

Jay Daley
IETF Executive Director

Greg Wood
Director of Communications and Operations

Lee-Berkeley Shaw
Director of Development

Kesara Rathnayake
Senior Software Development Engineer

Nick Giard
Senior Software Developer
IETF Endowment

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

- **Matching Fund Opportunity**
  - Internet Society has offered IETF up to US$30M in matching funds
  - 2:1 match on first US$12M; 1:1 match on subsequent US$6M
  - New Support: LACNIC @ $100K - our first new donor since the match
    - Many thanks to the Internet Registry of Latin America & the Caribbean, their Board of Directors, and CEO Oscar Robles Garay

- 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 & how to join:
https://www.ietf.org/about/groups/llc-board/meeting-info

Past meeting minutes: https://www.ietf.org/about/groups/llc-board/minutes
IETF Administration LLC
Current Board Work

1. Completed IASA2 3-year retrospective
2. Completed consultation on IETF LLC requirements for the IETF NomCom
3. Assessing potential changes to the investment policy following recommendations from Goldman Sachs
4. Working with the Executive Director, IESG, IAB, IRTF on planning for our first hybrid meeting
## IETF Administration LLC
### Current Fiscal Year Operating Budget

### August 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>$3,655,255</td>
<td>$6,684,328$\textsuperscript{1}</td>
<td>↓ (45%)</td>
<td>$10,594,377</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td>$4,574,878</td>
<td>$5,792,571</td>
<td>↓ 21%</td>
<td>$8,989,827</td>
</tr>
<tr>
<td><strong>Capital Investment</strong></td>
<td>$138,032$\textsuperscript{2}</td>
<td>$390,000</td>
<td>↓ 65%</td>
<td>$585,000</td>
</tr>
<tr>
<td><strong>Net Income after capital</strong></td>
<td>($1,057,655)</td>
<td>$501,756</td>
<td>↓ (211%)</td>
<td>$1,019,550</td>
</tr>
</tbody>
</table>

### Investments

<table>
<thead>
<tr>
<th></th>
<th>31 August 2021</th>
<th>31 Dec 2020</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Change</strong></td>
<td>$20,797,196</td>
<td>$19,301,645</td>
<td>↑ $1,495,551</td>
</tr>
</tbody>
</table>

Notes:

1. Affected by timing of ISOC funding. Adjusting for that has revenue $1.14m above budget due to high investment returns.
2. Capital is retrospectively calculated at end of year.
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
A 3-year retrospective was required in BCP 101 / RFC 8711

12 April 2021: Proposed an IASA2 Retrospective process and timeline in a blog post.

24 June 2021: Began the consultation process by releasing a first draft for comment and asking a number of specific questions of the community. This was announced in a blog post.

June - September 2021: Regular revision of the assessment based on community input.

1 November 2021: Final report announced on the blog and published, including recommendations for future work.
● **Feedback Mechanisms Included:**
  ○ Mailing List
  ○ GitHub
  ○ Two Webinars
  ○ IETF-111 Meeting Office Hours
Status reported on 63 requirements
- 61 were green - Achieved / On Track
- 2 were yellow - Partly Achieved / In Progress

In Progress:
- Req. 50 - Improve the IETF’s Technical Environment
- Req. 61 - Developing a Sustainable Funding Model
Req. 50 - Improve the IETF’s Technical Environment

- Much technical debt remains
- The LLC has provided the Executive Director with the financial resources necessary to hire/contract to expand the technical team working on this, including software developers, a database administration RFP, and more.
Req. 61 - Developing a Sustainable Funding Model

- Established new funding agreement with ISOC
- Revised sponsorship program
- Revised endowment policy
- Created sustainable fee plan for online-only meetings, including fee waivers
- Hired a Director of Development
- Working with the IESG, IAB, IRTF, and community to define what COVID-impacted hybrid meetings may look like, how to create a sustainable fee plan for them, how to contract venues, etc.
Recommendations for Future Work

1. Continue to conduct periodic assessments of the IASA structure & IETF LLC every 3 years (2024, 2027, etc.).
2. Make two financial planning adjustments
   a. During annual budgeting, update the target for reserve funds
   b. Annually review the investment policy
3. The IETF Trust should initiate a consultation on their legal structure
Internet Architecture Board (IAB)
Open Microphone Session
IAB Open Mic

Jari  Ben  Deborah  Lars  Wes
Cullen  Mirja  IAB Chair  Zhenbin  Jared  David
Tommy  Russ  Jiankang  Colin  ex-officio  IRTF Chair

John  Temporary  RFC Series  Project  Manager
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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<tr>
<td>Murray</td>
<td>Martin</td>
<td>Martin</td>
<td>Erik</td>
<td>Rob</td>
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<tr>
<td>Francesca</td>
<td>Alvaro</td>
<td>Zahed</td>
<td>Éric</td>
<td>Warren</td>
</tr>
<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></td>
<td>ex-officio IAB Chair</td>
</tr>
</tbody>
</table>
WELCOME RECEPTION

Join now via Gather

• Catch up with your IETF friends and meet new people!
• Watch HotRFC sessions!
• Play Social Bingo!
• Escape the Dungeon!