



IETF 112 PLENARY



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**

Lars Eggert

Mirja Kühlewind

Colin Perkins

John Levine

Gabriel Montenegro

Jay Daley, Jason Livingood

- **Open Mic Sessions**

IAB, IETF LLC, IESG

Thank you to our meeting host!



ERICSSON

Thank you to everyone who
helped make this meeting happen!

Secretariat

Meetecho

NOC

LLC

Tools Team

Hackathon Support

IETF Chair Report

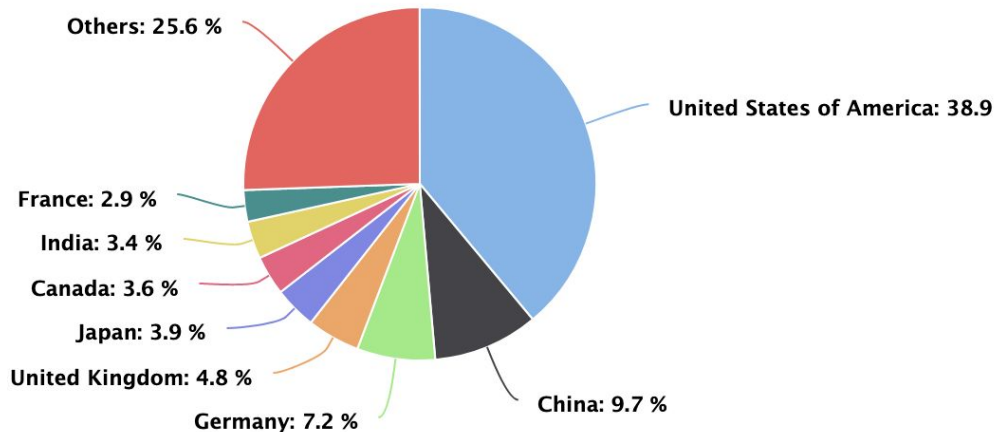
Lars Eggert

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 (ticket queue)

Feature requests

- 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

Rechartering!

List: manycouches@ietf.org

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>

Education, Mentoring & Outreach Directorate (emodir) Update



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>)

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...



Internet Architecture Board (IAB)

Mirja Kühlewind

IAB Report IETF-112



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

<https://datatracker.ietf.org/meeting/112/materials/slides-112-ietf-sessa-iab-report-to-the-community-for-ietf-112>

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 Kühlewind, 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-rfcd-future-rfcd-model is open until Nov 5
- You can also provide feedback in the community last call, or right now on the mailing list: rfcd-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!

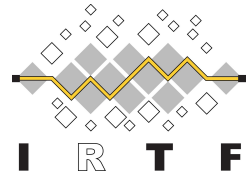
Nominations or suggestions for candidates are welcome at ise-search22@iab.org.

Appointments and Open Calls



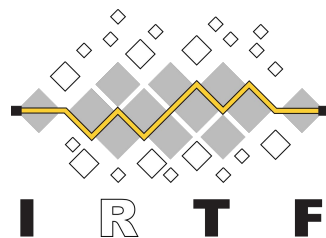
- **Thanks to Vittorio Bertola** for serving on the 2022 ICANN Nominating Committee!
- **Thanks to John Klensin** for many years of service in the position as liaison manager for ISO/TC46!
- **Welcome and thanks to Peter Koch** as the new liaison manager for ISO/TC46!
- **Thanks to Richard Barnes** for 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)

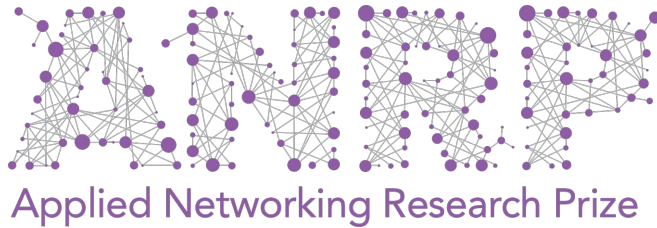
Colin Perkins



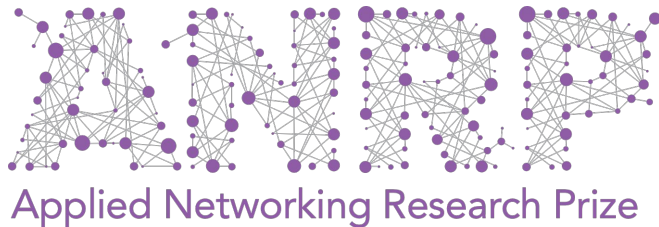
Internet Research Task Force Plenary Report

Colin Perkins
IRTF Chair

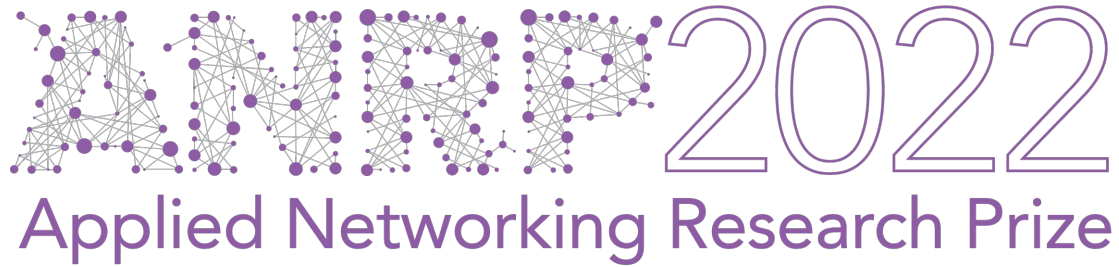
IETF 112 / 3 November 2021



- 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



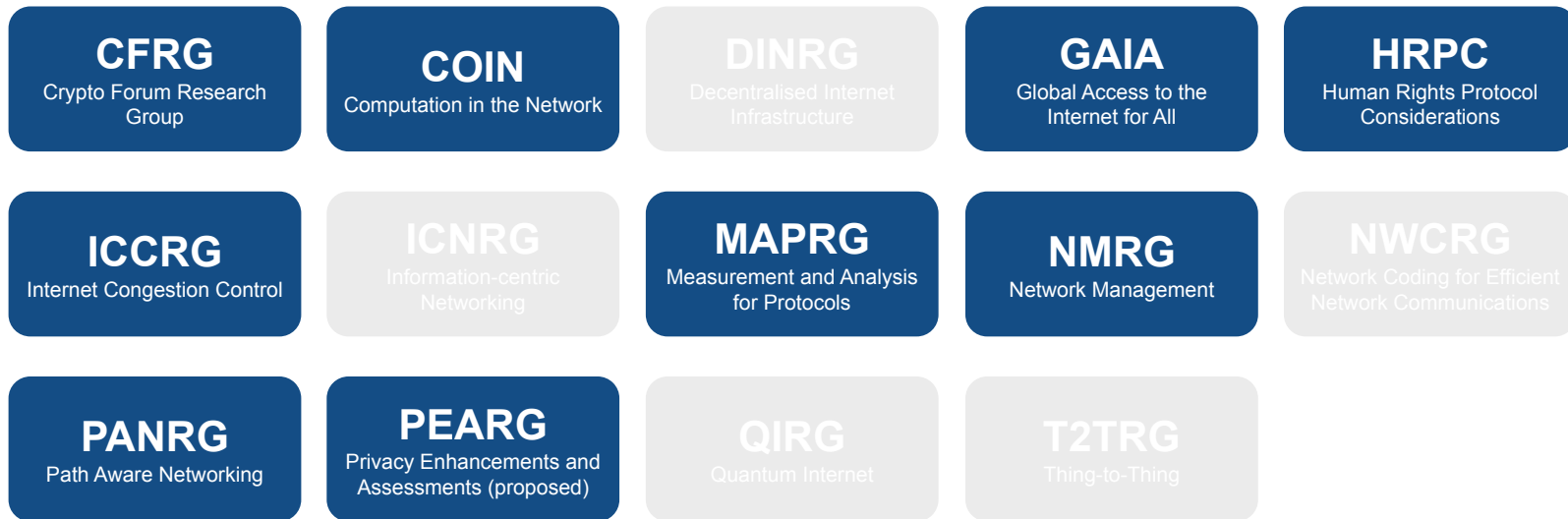
- ANRP awards for IETF 112 will go to:
 - **Thomas Wirtgen** for his work on the extensibility of BGP implementations & other routing protocols
 - **Aqsa Kashaf** for her work studying the effects of third-party service dependencies in the Internet
 - **Kevin Bock** for his work on Internet censorship
- Watch the award talks during the IRTF Open Meeting, Tuesday, 9 November, 16:00 UTC or at <https://irtf.org/anrp/>



Nominations are open for ANRP 2022

Deadline: 19 November 2021

<https://irtf.org/anrp/>



**“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

IETF Administration LLC
Jay Daley, Jason Livingood

IETF Administration LLC Report

Part 1 - Operations IETF Executive Director

**IETF 112
November 2021**



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IETF Administration LLC

Thank you to the IETF 112 Host



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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)

Secretariat

Alexa Morris

Amy Vezza

Cindy Morgan

Glen Barney

Jasmine Magallanes

Jenny Bui

Laura Nugent

Liz Flynn

Maddy Conner

Ryan Cross

Stephanie McCammon

Tina Dang

NOC

Con Reilly

Nick Kukich

Rick Alfvén

Sean Croghan

Tools

Jennifer Richards

Margaret Cullen

Mark Donnelly

Robert Sparks

Meetecho

Alessandro Amirante

Alessandro Toppi

Lorenzo Miniero

Paolo Saviano

Simon Pietro Romano

Tobia Castaldi

LLC

Greg Wood

Lee-Berkeley Shaw

Kesara Rathnayake

Nick Giard

IETF 113 TBA

19-25 March 2022

Sponsorship opportunities available!

Contact: sponsorship@ietf.org





IETF Administration LLC

Future meeting locations and venues

MEETING LOCATION	VENUE	DATES	HOSTS
IETF 113 – TBA	TBA	March 19 – 25, 2022	*
IETF 114 – Philadelphia	Philadelphia 201 Hotel	July 23 – 29, 2022	Comcast/NBCUniversal
IETF 115 – Europe	TBA	November 5-11, 2022	*
IETF 116 – Asia	TBA	March 25-31, 2023	*
IETF 117 – San Francisco	Hilton Union Square	July 22-28, 2023	*
IETF 118 – Prague	Hilton Prague	November 4-10, 2023	*
IETF 119 - Asia	TBA	March 16-22, 2024	*
IETF 120 - Vancouver	Hyatt Regency Vancouver	July 20-26, 2024	*

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

IETF Administration LLC

Registration numbers as of 2 November

Ticket Type	Registered	Budget
Early Bird	443	650
Standard	255	150
Late	37	10
Student	38	20
One-day	54	20
Waivers	210	-
TOTAL	1,037	850

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 Administration LLC

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 Report

Part 2 - LLC Board Update Board Chair - Jason Livingood

**IETF 112
November 2021**



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IETF Administration LLC

Who serves on the Board?



Maja
Andjelkovic



Lars
Eggert



Jason
Livingood,
Chair



Sean
Turner,
Treasurer



Peter
Van Roste

IETF Administration LLC

Upcoming Board Meetings

Date & Time (UTC)

18 November 2021 - 20:00 UTC	10 February 2022 - 20:00 UTC
9 December 2021 - 20:00 UTC	10 March 2022 - 20:00 UTC
13 January 2022 - 20:00 UTC	14 April 2022 - 19:00 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 & 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

	YTD Actual	YTD Budget	YTD Variance %	Annual Budget
Revenue	\$3,655,255	\$6,684,328 ¹	↓ (45%)	\$10,594,377
Expenses	\$4,574,878	\$5,792,571	↓ 21%	\$8,989,827
Capital Investment	\$138,032 ²	\$390,000	↓ 65%	\$585,000
Net Income after capital	(\$1,057,655)	\$501,756	↓ (211%)	\$1,019,550

Investments

31 August 2021	31 Dec 2020	Change
\$20,797,196	\$19,301,645	↑ \$1,495,551

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>

IETF Administration LLC Report

Part 3 - IASA2 Retrospective Report Board Chair - Jason Livingood

IETF 112
November 2021



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IASA2 Retrospective Report

- 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.

IETF Administration LLC

IASA2 Retrospective Report

- **Feedback Mechanisms Included:**

- Mailing List
- GitHub
- Two Webinars
- IETF-111 Meeting Office Hours

IETF Administration LLC

IASA2 Retrospective Report

- **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



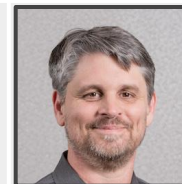
Ben



Deborah



Lars



Wes



Cullen



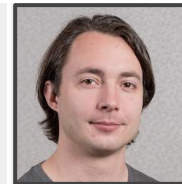
Mirja
IAB Chair



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












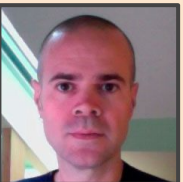





Peter
Van Roste

Internet Engineering Steering Group (IESG)

Open Microphone Session

IESG Open Mic

ART	RTG	TSV	INT	OPS
 Murray	 Martin	 Martin	 Erik	 Rob
 Francesca	 Alvaro	 Zahed	 Éric	 Warren
 Lars	 John	 Roman	 Benjamin	 Mirja <i>ex-officio IAB Chair</i>
GEN	SEC			

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!