Q1 - In what region do you live?

- Africa: 1.81%
- Asia: 10.84%
- Australia, New Zealand, Oceania: 3.01%
- Europe: 38.55%
- US, Canada: 1.20%
- Latin America (Mexico, Central America, South America, Caribbean): 44.58%
- Middle East: 1.20%
Q2 - Which of the following applies to you? (check all that apply)

- Subscriber to an IETF mailing list within the last year: 90.96%
- Posted to an IETF mailing list within the last year: 77.71%
- Attended a WG/BoF meeting within the last year (in-person or virtual): 89.76%
- Spoke in the mic line at a WG/BoF meeting within the last year (in-person or virtual): 70.48%
- Presented at a WG/BoF meeting within the last year (in-person or virtual): 57.83%
- Author of an active Internet-Draft: 60.24%
- Author of an RFC published within the last 5 years: 48.80%
- Author of an RFC published more than 5 years ago: 42.17%
- Current WG/BoF chair: 28.92%
- Current Area Director: 3.01%
- Current IAB Member: 3.01%
Q3 - Did you participate in the IETF 111 meeting that has just finished?

<table>
<thead>
<tr>
<th>Field</th>
<th>Choice Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>98.80% 164</td>
</tr>
<tr>
<td>No</td>
<td>1.20% 2</td>
</tr>
</tbody>
</table>

Showing rows 1 - 3 of 3
Q4 - How many IETF Meetings have you participated in? (including this meeting)

<table>
<thead>
<tr>
<th>Field</th>
<th>Choice Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8.43%</td>
</tr>
<tr>
<td>2-5</td>
<td>14.46%</td>
</tr>
<tr>
<td>6-10</td>
<td>17.47%</td>
</tr>
<tr>
<td>11+</td>
<td>59.64%</td>
</tr>
</tbody>
</table>

Showing rows 1 - 5 of 5
Q5 - Why didn't you participate in the IETF 111 meeting? (check all that apply)

- The time of day of the meeting was too difficult for me to participate
- I was not aware of the meeting
- Suitable technology was not available
- I could not find a suitable place to work from
- Too many distractions in the place where I would have participated from
- I had existing conflicts / I could not spare the time
- The registration fee was a barrier to participation and I did not want to request a fee waiver
- The registration fee was a barrier to participation and I did not know about fee waivers
- There were not enough sessions of interest

Q5_10_TEXT - Other (please specify)

Other (please specify)
I had assumed the sessions would run from 9am at the local original venue time, but they ran later. Should have saved the registration fee.
Q6 - How satisfied were you with the Meetecho guides for chairs and participants, and the Meetecho testing sessions provided to prepare for the meeting? - Selected Choice

<table>
<thead>
<tr>
<th>Field</th>
<th>Mean</th>
<th>Std Deviation</th>
<th>Count</th>
<th>Bottom 2 Box</th>
<th>Top 2 Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>How satisfied were you with the Meetecho guides for chairs and participants, and the Meetecho testing sessions provided to prepare for the meeting? - Selected Choice</td>
<td>4.42</td>
<td>0.66</td>
<td>106</td>
<td>0.94%</td>
<td>92.45%</td>
</tr>
</tbody>
</table>

Q6_7_TEXT - I was unable to attend a testing session (please explain why)

No opinion

Meetecho has improved. Still there is no way to join from a mobile phone, it is not straightforward to see who is talking, ...

Slide share did not work this time. Speakers could not make use of slide share so they could control slides of their own presentation.

Meetecho worked flawlessly for my WG mtg that I chaired. The new upload preso function was great. As always, Meetecho suport team is fantastic.
No opinion

Please make a bit clearer to chairs how to schedule a test session, and that this test session will not automatically be added anywhere, send out emails, etc (I was a bit worried that it would).
Q9 - How can we improve the published guides?

How can we improve the Meetecho guides for chairs and participants, and the...

- Sometimes it can't connect to MeetEcho, suggest to put a server to Asia people
- An option to self test audio (echo testing) before entering the sessions.
- A list of supported browser versions would be helpful.
- The managing the queue idea on the list is a really good idea.
- Simplified access to IETF sessions would be well appreciated.
- Sharing documents instructions were not entirely clear; adding them via Settings wasn't clear.
- Searchable FAQ linked from the agenda page.
- Providing the ability for chairs to project slides, but turn navigation over to a designated party (i.e., the speaker).
- Provide a way for WG chairs to access a test session, with meeting materials, at any time, not just in the week before a meeting.
- Nothing obvious. Meetecho is very easy to use these days.
- N/A

Most, but not all chairs and presenters seemed to be aware of the current procedures for using the tool.

Meetecho has gotten much better. I think many of the issues is more about the users missing existing features than the problems of the tool itself.

Maybe send an email to the attendees list the week prior with a summary of the main Meetecho changes and links to the resources?

Make sure that the chairs use them, there are still a few that seem to be unfamiliar with Meetecho.
How can we improve the Meetecho guides for chairs and participants, and the...

Make a way to test setup well integrated in the system

Loved the new "upload preso function". Should be the default, and should just happen without having to manually upload. The Manual upload function was in a nonintuitive settings menu.

Just improve connectivity with limited bandwidth

It's sometimes difficult to find things on the website. The emails with links were incredibly helpful follow-ups.

I was satisfied.

Having the presentations uploaded to the meetecho prior and having chairs of WGs share slides to save time from some presenters having trouble

Good enough for me.

Everything goes well, so no need from my point of view.

Could there be a permanent test session?

Conceptually, what would be good is letting everyone try to run things, with meetecho folks there to answer questions and explain what we misunderstood. In practice, that would take waayyyy tooo long. So I am not sure what to do to improve it. I do appreciate the efforts that go into providing explanations and assistance.

Compared to a real, live, in-person meeting, this is utterly hopeless...

Clear indication who is speaking/asking question

Android version Improvement of visualization of the current speaker

Always good to see a delta pointing out new features (that were created between the last and the current IETF meeting)

Advise chairs to test slide sharing with presenters right before the session starts.

-
Q8 - How well prepared were you for participating in IETF 111?

<table>
<thead>
<tr>
<th>Field</th>
<th>Choice Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Definitely under-prepared</td>
<td>4.35% 7</td>
</tr>
<tr>
<td>Slightly under-prepared</td>
<td>13.04% 21</td>
</tr>
<tr>
<td>Sufficiently prepared</td>
<td>49.69% 80</td>
</tr>
<tr>
<td>Well prepared</td>
<td>32.92% 53</td>
</tr>
</tbody>
</table>

Showing rows 1 - 5 of 5

<table>
<thead>
<tr>
<th>#</th>
<th>Field</th>
<th>Mean</th>
<th>Std Deviation</th>
<th>Count</th>
<th>Bottom 2 Box</th>
<th>Top 2 Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>How well prepared were you for participating in IETF 111?</td>
<td>3.11</td>
<td>0.79</td>
<td>161</td>
<td>17.39%</td>
<td>82.61%</td>
</tr>
</tbody>
</table>
Q9 - What else could the IETF do to help you prepare?

It would be nice if there were more ways to facilitate discussion and feedback.

Further tool development is welcome (don't know if that counts as “prepare”)

I was late in preparing, but IETF online facilities and instructions were good.

make the day longer than 24 hours? (i.e. my lack of prep was not the IETF’s fault)

We need need need to go back to proper meetings...

earlier agendas and more uniform presentation of agenda and material, e.g. slides (but it’s a minor issue)

some times it can't connect to MeetEcho, suggest to put a server to asia people

IETF did pretty well, thanks.

na

- stop being so meetecho-centric.

This was a learning experience and I will be able to participate more fully in the future.

Please make the slide share aspect of Meetecho work properly.

Resources are good. The on-deman test session helped greatly, the short videos are great.

post agendas sooner

I own this one - I tested positive for CoViD-19 in early July, and that makes one fatigued and rather stupid …
What else could the IETF do to help you prepare?

Please don't delete the guide requests with only a couple weeks to go before the conference. I put in a request for a guide when I registered, on the early bird deadline, and the only response was a message saying it had been deleted and I should fill out the form again. I didn't have time to do it a second time so I didn't get a guide. Complete listing of hackathon activities—I found out while looking at the agenda for some WG meetings the following week that there had been hackathons that weren't on the wiki. Perhaps a guide would have been helpful there.

Maybe providing introduction videos to each of the working groups to understand the basics before diving into the detailed and technical documents

Make the WG chairs post an agenda more than two days before the meeting!

I think people need to attend IETF conferences to really realize what is going on and how to better prepare themselves to enjoy and get involved these meetings.

nothing I believe.

An offline tutorial for new Meetecho functions (e.g., slide upload) would be nice-to-have

Open the meeting rooms 5 minutes earlier

I use travel planning to get me ready; without it, I don't have my regular queues.
Q10 - Overall, how satisfied were you with the IETF 111 meeting?

- Very dissatisfied: 0.66%
- Dissatisfied: 3.31%
- Neither satisfied nor dissatisfied: 9.27%
- Satisfied: 55.63%
- Very satisfied: 31.13%

### Field Statistics

<table>
<thead>
<tr>
<th>Field</th>
<th>Mean</th>
<th>Std Deviation</th>
<th>Count</th>
<th>Bottom 2 Box</th>
<th>Top 2 Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall, how satisfied were you with the IETF 111 meeting?</td>
<td>4.13</td>
<td>0.76</td>
<td>151</td>
<td>3.97%</td>
<td>86.75%</td>
</tr>
</tbody>
</table>
Q11 - How satisfied were you with each of the following parts of the meeting agenda? (Skipp...
<table>
<thead>
<tr>
<th>Field</th>
<th>Mean</th>
<th>Std Deviation</th>
<th>Count</th>
<th>Bottom 2 Box</th>
<th>Top 2 Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>Side meetings</td>
<td>3.84</td>
<td>1.10</td>
<td>62</td>
<td>12.90%</td>
<td>75.81%</td>
</tr>
<tr>
<td>Sessions for new working groups</td>
<td>4.03</td>
<td>0.75</td>
<td>71</td>
<td>1.41%</td>
<td>80.28%</td>
</tr>
<tr>
<td>Sessions for existing working groups</td>
<td>4.04</td>
<td>0.67</td>
<td>139</td>
<td>2.16%</td>
<td>85.61%</td>
</tr>
<tr>
<td>Sessions for existing research groups</td>
<td>3.99</td>
<td>0.78</td>
<td>88</td>
<td>5.68%</td>
<td>84.09%</td>
</tr>
<tr>
<td>Plenary session</td>
<td>3.91</td>
<td>0.83</td>
<td>88</td>
<td>4.55%</td>
<td>72.73%</td>
</tr>
<tr>
<td>Opportunities for social interaction</td>
<td>2.90</td>
<td>1.24</td>
<td>87</td>
<td>35.63%</td>
<td>36.78%</td>
</tr>
<tr>
<td>Office hours</td>
<td>4.12</td>
<td>0.85</td>
<td>26</td>
<td>7.69%</td>
<td>84.62%</td>
</tr>
<tr>
<td>Newcomers' sessions</td>
<td>4.06</td>
<td>0.80</td>
<td>17</td>
<td>0.00%</td>
<td>70.59%</td>
</tr>
<tr>
<td>Newcomers coffee breaks</td>
<td>4.00</td>
<td>0.95</td>
<td>20</td>
<td>10.00%</td>
<td>75.00%</td>
</tr>
<tr>
<td>Hackathon</td>
<td>4.14</td>
<td>0.77</td>
<td>21</td>
<td>0.00%</td>
<td>76.19%</td>
</tr>
<tr>
<td>BOFs</td>
<td>4.01</td>
<td>0.83</td>
<td>80</td>
<td>5.00%</td>
<td>80.00%</td>
</tr>
</tbody>
</table>
Q12 - How satisfied were you with the overall agenda of the meeting?

<table>
<thead>
<tr>
<th>Response</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very Dissatisfied</td>
<td>1.32%</td>
</tr>
<tr>
<td>Dissatisfied</td>
<td>3.97%</td>
</tr>
<tr>
<td>Neither satisfied nor dissatisfied</td>
<td>16.56%</td>
</tr>
<tr>
<td>Satisfied</td>
<td>58.28%</td>
</tr>
<tr>
<td>Very satisfied</td>
<td>19.87%</td>
</tr>
</tbody>
</table>

Field | Mean | Std Deviation | Count | Bottom 2 Box | Top 2 Box |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>How satisfied were you with the overall agenda of the meeting?</td>
<td>3.91</td>
<td>0.80</td>
<td>151</td>
<td>5.30%</td>
<td>78.15%</td>
</tr>
</tbody>
</table>
Q13 - How satisfied were you with each of the following elements of the structure of the mee...

Starting at 12pm San Francisco time

Overall length of each day

5 day meeting

60/120 minute session lengths

30 minute break

9 parallel tracks

The policy of scheduling online meetings in the timezone of the in-person meeting that they replace

0 20 40 60 80 100 120 140 160

Very dissatisfied
Dissatisfied
Neither satisfied nor dissatisfied
Satisfied
Very satisfied
<table>
<thead>
<tr>
<th>Field</th>
<th>Mean</th>
<th>Std Deviation</th>
<th>Count</th>
<th>Bottom 2 Box</th>
<th>Top 2 Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>The policy of scheduling online meetings in the timezone of the in-</td>
<td>3.60</td>
<td>1.09</td>
<td>136</td>
<td>14.71%</td>
<td>55.15%</td>
</tr>
<tr>
<td>person meeting that they replace</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>60/120 minute session lengths</td>
<td>4.12</td>
<td>0.77</td>
<td>143</td>
<td>4.20%</td>
<td>86.01%</td>
</tr>
<tr>
<td>30 minute break</td>
<td>4.09</td>
<td>0.76</td>
<td>139</td>
<td>3.60%</td>
<td>84.17%</td>
</tr>
<tr>
<td>9 parallel tracks</td>
<td>3.60</td>
<td>0.91</td>
<td>128</td>
<td>8.59%</td>
<td>57.03%</td>
</tr>
<tr>
<td>5 day meeting</td>
<td>4.14</td>
<td>0.79</td>
<td>141</td>
<td>4.26%</td>
<td>87.94%</td>
</tr>
<tr>
<td>Starting at 12pm San Francisco time</td>
<td>3.01</td>
<td>1.32</td>
<td>145</td>
<td>35.17%</td>
<td>35.86%</td>
</tr>
<tr>
<td>Overall length of each day</td>
<td>3.93</td>
<td>0.87</td>
<td>144</td>
<td>7.64%</td>
<td>77.78%</td>
</tr>
</tbody>
</table>
Q14 - How satisfied were you with the overall structure of the meeting?

<table>
<thead>
<tr>
<th>Field</th>
<th>Count</th>
<th>Choice Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very dissatisfied</td>
<td>1</td>
<td>0.67%</td>
</tr>
<tr>
<td>Dissatisfied</td>
<td>5</td>
<td>3.33%</td>
</tr>
<tr>
<td>Neither satisfied nor dissatisfied</td>
<td>13</td>
<td>8.67%</td>
</tr>
<tr>
<td>Satisfied</td>
<td>93</td>
<td>62.00%</td>
</tr>
<tr>
<td>Very satisfied</td>
<td>38</td>
<td>25.33%</td>
</tr>
</tbody>
</table>

*Showing rows 1 - 6 of 6*
If this meeting had been a normal (no COVID) in-person meeting in San Francisco with 8+ hour days and free remote participation then which of the follow best applies to you?

<table>
<thead>
<tr>
<th>#</th>
<th>Field</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Mean</th>
<th>Std Deviation</th>
<th>Variance</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>If this meeting had been a normal (no COVID) in-person meeting in San Francisco with 8+ hour days and free remote participation then which of the follow best applies to you?</td>
<td>1.00</td>
<td>6.00</td>
<td>1.51</td>
<td>1.11</td>
<td>1.22</td>
<td>148</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Field</th>
<th>Choice Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>I would have participated in person</td>
<td>71.62% 106</td>
</tr>
<tr>
<td>I would have participated remotely, in the same sessions as I did in this meeting</td>
<td>20.95% 31</td>
</tr>
<tr>
<td>I would not have participated</td>
<td>1.35% 2</td>
</tr>
<tr>
<td>I would have participated remotely, in fewer sessions than I did in this meeting</td>
<td>3.38% 5</td>
</tr>
<tr>
<td>#</td>
<td>Field</td>
</tr>
<tr>
<td>----</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>6</td>
<td>I would have participated remotely, in more sessions than I did in this meeting</td>
</tr>
</tbody>
</table>

Showing rows 1 - 6 of 6
No

I wish more people would use Gather. It's really the only way to have social interaction, and that's a primary reason I attend.

There seemed to be more conflicts (security area) this time around. Not sure why that was. Maybe more sessions which are shorter in duration (60 min) might help?

I just wonder why spring and lsr always seem to have the first slot of the first day, and/or the last slot of the last day...

No thanks

We need to go back to f2f meetings.

Given the limitations of remote meetings, the approach taken for IETF111 worked well.

I observed some WG conflicts, but this might be just unavoidable for me, as I am quite involved in many things.

Way more conflicts than usual. Also, would love to have 90 min slots. 60 is too short, 120 is sometime too long for some mtgs.

For remote meetings - Personally I prefer doing the IETF sessions in one week - I wouldn't support spreading them over 2 (or more) weeks. I think the 6 hour day with half hour breaks is the least bad option. Post Covid I think we should look at alternating virtual and real IETFs, and moving to 4 meetings per year. I think 1 face-to-face meeting a year wouldn't be enough.

It would be better to try to optimize for "least pain" (as was discussed in SHMOO) instead of always sticking to the replaced in-person meeting's timezone.

A challenge that remote participation places on attendees is fitting into daily meals. The half hour breaks are barely sufficient to grab a quick bite to eat. There is no easy fix here. Longer breaks extends an already long remote day.
Is there anything else you would like to say about the meeting agenda or st...

Bring back the physical meetings... working in the middle of the night was awful. It led me to skip non-vital sessions and to be less effective than normal in vital sessions and in my day job and life, which I could not give up. I'm not sure I would do it again - if another virtual IETF meeting ever happened in this timezone, I could skip it altogether.

I live in Europe, so the meetings start times were late in the night, but this is understandable in case of online meetings where people from all over the world participate.

Moving the time to start at 9 or 8 would have been a minor inconvenience to US participants, not really affected Asia, and been a great benefit to east coast and european participants.

Tools such as meetecho are not very satisfactory for smaller working groups and the handling of audio adds difficulties not present for on-site meetings.

Starting at noon PDT just because the other online meetings started at noon local time is suboptimal. 9 AM PDT would have been a much better starting time for the majority of attendees (this was discussed at length on several lists). When meeting completely online, the IESG should determine the starting time for each meeting more intelligently than just "starting at noon local because that what we did the previous meeting".

Consider scheduling of time zones be more biased towards the time zones where *active contributors* (WG document authors, WG chairs, I*, presenters, ...) are more frequently residing.

Really annoyed with certain working groups, like HTTP, that have opted to have interims only and not meet at IETF. I understand that agenda time is limited, but if a working group is busy enough to have interims, they're busy enough to meet at IETF.

I only saw one session that ended early (and it was more than an hour early, in a two-hour slot!), but most of the one-hour meetings I looked at agendas for were packed with no room for Q&A and discussion.

For an online only IETF meeting, I thought it was structured very well.

N/A

9 parallel tracks guarantees agenda clashes. It's nice that Friday is now considered a full IETF day: please continue that regardless of whether we go back to physical meetings. The days (at 6 hours with breaks) are quite short. We could get more work done.

Too many conflicts
I am not sure if I would have been able to participate in person if the meeting was held in person. If I had come, I would have participated in more meetings.

ANRW adds lots of value but competes for scarce meeting slots, better deal with it adjacent to the IETF meeting (before/after the day or before/after the meeting week)

In my working group presentations had to be canceled because European presenters did not volunteer to present in a meeting starting 12pm SFO time. It is a bit hard to understand why the meeting did not start, say, 2h earlier.

Try to minimize changes on the agenda, please

Unfortunately there were still overlapping in time similar sessions like mpls and rift :(  

I'm unsure 5 hour days are enough to host all the sessions, many working group meetings felt rushed due to having only one or two hours, and nearly all I stuck my nose into ran out of time, or didn't get a chance to cover additional "time permitting" agenda items. This time pressure also makes agenda bashing harder as attendees feel they can't add additional items when the schedule is already rammed. Also, if it's not already possible can side meetings also be able to run on meetecho? This will make organisation of them easier, in one instance the hosts moved from one VC to another only to have to juggle people who didn't get the memo, in addition to blue sheets, recordings, etc.

Would be great if the .ics calendar file associated with the data tracker for each WG/RG included URLs for connecting into the meeting, for contributing notes, and a pointer to the agenda. Would also be great if the codimd notes were initially populated with the latest agenda by default. Love the feature in Meetecho where you can pop-out the chat window into a separate window; would be great if other Meetecho "screens" could be popped out, like the codimd window.

We're trying to do too much in one week. Just hold the BoFs and plenary, etc., in the fixed week.

Rotating through the time zones is a good policy. This time, the 12:00 PDT start worked well for my time zone.

Starting at 10am (ish) local time allows an hour for informal meetings and ad-hoc discussions. This is very useful. Please keep it.

My answer to the above question about in-person participation is on the assumption that company policy would have permitted such participation. Currently, it does not.

I really don't understand why the meeting started as late as it did.
Q17 - How many sessions did you participate in during the meeting?

- None: 1 (5.92%)
- 1: 5 (32.24%)
- 2-5: 1 (27.63%)
- 6-10: 1 (34.21%)
Q18 - How many times did you have a conflict between two sessions that were scheduled in...

<table>
<thead>
<tr>
<th>Field</th>
<th>Choice Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>40.79% 62</td>
</tr>
<tr>
<td>1</td>
<td>15.79% 24</td>
</tr>
<tr>
<td>2-5</td>
<td>36.84% 56</td>
</tr>
<tr>
<td>6-10</td>
<td>4.61% 7</td>
</tr>
<tr>
<td>11+</td>
<td>1.97% 3</td>
</tr>
</tbody>
</table>

Showing rows 1 - 6 of 6
Q19 - Please list any sessions that you wanted to participate in that were scheduled...

<table>
<thead>
<tr>
<th>Please list any sessions that you wanted to participate in that were scheduled...</th>
</tr>
</thead>
<tbody>
<tr>
<td>e.g. IDR and Network Management</td>
</tr>
<tr>
<td>I don't actually recall.</td>
</tr>
<tr>
<td>ipsecme lamps</td>
</tr>
<tr>
<td>bier - 6man sidrops - rtgwg v6ops - tswg</td>
</tr>
<tr>
<td>DNSOps and Secdispatch HRPC and OHTTP BOF Marinas, ANRW, TLS and Gendispatch IABopen and DNSOps</td>
</tr>
<tr>
<td>SPRING vs MOPS</td>
</tr>
<tr>
<td>webtrans - wish</td>
</tr>
<tr>
<td>OHTTP and JMAP</td>
</tr>
<tr>
<td>asap, rfcedfuture</td>
</tr>
<tr>
<td>e.g. IRTFOpen / ANIMA</td>
</tr>
<tr>
<td>danish sedate httpapi emailcore rfcfdp sins iabopen caext</td>
</tr>
<tr>
<td>BIER and TEAS BESS and MOPS QIRG and RTGWG MBONED and APN</td>
</tr>
<tr>
<td>coinrg &amp; masque irtfopen &amp; tswg iabopen &amp; panrg</td>
</tr>
<tr>
<td>ANRW &lt;-&gt; QUIC</td>
</tr>
<tr>
<td>grow/netmod</td>
</tr>
</tbody>
</table>

The worst conflict was ADD, APN, and WISH in a single session.
Please list any sessions that you wanted to participate in that were schedu...

- ohttp / hrpc (particularly nasty one since ohttp is all about privacy) dnsop / secdispatch anrw / gendispatch / madinas

- ohttp and ntp secdispatch and masque danish and quic

Monday Session III: MASQUE,DNSOP Tuesday Session I: QUIC,DANISH Wednesday Session I: ANRW,TLS

- mboned,webtransport

PANRG / IABOPEN, ADD / APN

- no really bad conflicts

webtrans,add dnsop,masque,secdispatch gendispatch,tls

QUIC and MOPS IRTFOPEN and TSVWG AVTCORE and MASQUE ANRW every day ... IABOPEN and PANRG APN and WEBTRAN and WISH INTAREA and TSVAREA (and there was another conflicting area meeting at the same time - don't remember which)

- netconf and shmoo

N/A

CCAMP, SPRING PCE, TSVWG, IRTFOpen TEAS, BIER, CONIRG GenDispatch, RTGWG SHMOO, MPLS RTGArea, RFCEfdp RTGWG, RFCEfdp, ALTO IABOpen, PANRG APN, GAIA IDR, DetNet IntArea, DINRG, OPSAWG, TSVArea

6man vs anrw (Tuesday, was presenting @anrw) ippm vs anrw (Wednesday) shmoo vs 6lo vs drip vs netconf (Wednesday) v6ops vs tsvg (Thursday) intarea vs opsawg (Friday)

ANRW21

- dispatch anrw pearg irtopen tsvwg dnsop secdispatch masque anrw danish quic hrpc ohttp madinas anrw tls ippm dprime tsvg iabopen dnsop webtrans add apn suit maprg privacypass intarea opsawg tsvarea

- dispatch - pearg irtopen - tsvg nmrg - ohttp qirg - rtgarea

anrw vs dispatch vs pearg; tsvwg vs irtopen; gendispatch vs. anrw vs ippm; tsvwg vs. drive; apn vs. add va. Webtrans; ohttp vs. tcpm; tsvarea vs. intarea; iabopen vs panrrg vs dnsop
Please list any sessions that you wanted to participate in that were scheduled...

**IPPM + ANRW**

anrw - spring irtfopen - tsvwg coinrg - teas anrw - raw madinas - anrw - rtgwg lisp - tsvwg intarea - tsvwg

pearg - anrw - dispatch danish - sedate - anrw gendispatch - madinas - anrw stir - v6ops - dprive dprive - qirg add - gaia

**SECDISPATCH - IOTOPS COSE - SHMOO**

mpls, rift for sure.

mboned apn

jsonp, avtcore quic, mops

quic anrw

mailcore, httpapi

**MOPS-6MAN DPRIVE-V6OPS ADD-APN**

camp, spring, dtn quic, raw, bier irtfopen, anima coinrg, iotops, teas drip, mpls, netconf

too lazy to reread the agenda and list those.

dnsop/secdispatch anrw/gendispatch regext/uta dnsop/iabopen acme/maprg opsawg/cfrg/intarea

Bess, 6man ldr, pals Lsr, pim

**RATS vs ANIMA RATS vs ANIMA DOTS vs RFCEFDP RFCEFDP vs TRANS PRIVACYPASS vs CBOR**

panrg, iabopen, dnsop

anrw, pearg tsvwg, irtfopen coinrg, maque anrw, tls teep, iabopen apn, webtrans, wish
Please list any sessions that you wanted to participate in that were schedu...

<table>
<thead>
<tr>
<th>dispatch gnnap jmap ohttp</th>
</tr>
</thead>
<tbody>
<tr>
<td>irtf open mtg and rats jsonpath and secdispatch qirg and rats</td>
</tr>
<tr>
<td>anima/v6ops</td>
</tr>
<tr>
<td>gendispatch and rtgwg shmoo and mpls rfcfdp and rtgarea rfcfdp and rtgwg intarea and lsr</td>
</tr>
</tbody>
</table>
Q20 - How satisfied are you with the scheduling of sessions to avoid conflicts?

- Very dissatisfied: 0.68%
- Dissatisfied: 7.48%
- Neither satisfied nor dissatisfied: 22.45%
- Satisfied: 54.42%
- Very satisfied: 14.97%

Field | Mean | Std Deviation | Count | Bottom 2 Box | Top 2 Box
--- | --- | --- | --- | --- | ---
How satisfied are you with the scheduling of sessions to avoid conflicts? | 3.76 | 0.82 | 147 | 8.16% | 69.39%
Q21 - How satisfied were you with each of the following participation mechanisms? (Skipping questions...)

<table>
<thead>
<tr>
<th>#</th>
<th>Field</th>
<th>Mean</th>
<th>Std Deviation</th>
<th>Count</th>
<th>Bottom 2 Box</th>
<th>Top 2 Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Meetecho</td>
<td>4.29</td>
<td>0.83</td>
<td>147</td>
<td>4.76%</td>
<td>89.12%</td>
</tr>
<tr>
<td>2</td>
<td>Gather</td>
<td>3.77</td>
<td>1.00</td>
<td>70</td>
<td>10.00%</td>
<td>68.57%</td>
</tr>
<tr>
<td>3</td>
<td>Jabber</td>
<td>3.68</td>
<td>0.96</td>
<td>73</td>
<td>9.59%</td>
<td>64.38%</td>
</tr>
<tr>
<td>4</td>
<td>Audio streams</td>
<td>3.84</td>
<td>1.08</td>
<td>62</td>
<td>14.52%</td>
<td>75.81%</td>
</tr>
<tr>
<td>#</td>
<td>Field</td>
<td>Mean</td>
<td>Std Deviation</td>
<td>Count</td>
<td>Bottom 2 Box</td>
<td>Top 2 Box</td>
</tr>
<tr>
<td>----</td>
<td>-------------------</td>
<td>------</td>
<td>---------------</td>
<td>-------</td>
<td>--------------</td>
<td>-----------</td>
</tr>
<tr>
<td>5</td>
<td>YouTube streams</td>
<td>4.09</td>
<td>0.91</td>
<td>56</td>
<td>5.36%</td>
<td>78.57%</td>
</tr>
</tbody>
</table>
Q22 - What did you use Gather for? (check all that apply)

- I did not use Gather: 55.63%
- To look around / curiosity: 27.81%
- To socialise: 25.17%
- To speak to specific people: 18.54%
- To continue the discussion of a previous session: 9.93%
- To have an informal side meeting: 9.93%
- To speak to the Secretariat / NOC / RFC Production Center / IANA / LLC: 8.61%
- To attend an Office Hours event: 5.96%
- To attend a Newcomers event: 5.30%
- Other (please specify): 3.97%
- To attend the Hackathon: 1.99%

Q27_9_TEXT - Other (please specify)

Other (please specify)

Unfortunately the usage of gather from people I would like to talk to was not good.
Checked about 3 times, could not see many people, people I would be interested to socialize with... so I gave up using gather

To attend a virtual “dinner” for TSV chairs and TSV ART reviewers

I did not build enough time into my schedule to really give Gather a chance. It seemed to have some nice features but I did not have enough time to explore because I would pump into people and that would take what little time I had.

... and, of course, for the scavenger hunt!

tsv-dinner; chair with chairs
Q23 - Did you report a problem with any of the participation mechanisms or your registration…

- Yes: 12.50%
- No: 87.50%
Q24 - How can we improve the meeting participation mechanisms?

nothing at the moment.

Finds ways to encourage more people to be in Gather.

Maybe I haven't used all new features, but I think the "hallway tool" (gather) and the "meeting room" tool (meetecho) need to be better combined. When you leave a physical meeting room, you automatically appear in the physical hallway at least for some time. This "principle of continuity" in the physical world is what makes individuals participating in an IETF meeting feel that they are part of the same meeting. This is also what enables spontaneous meetings, to be able to look up a person you need to talk to, etc. Granted that you do need to be able to leave the meeting temporarily for breaks, a person leaving a meeting room should not by default leave the meeting.

I signed up for IETF and when I tried to dial into the IRTF session, I couldn't get in as it required another explicit registration. I looked for emails with IRTF search string but didn't find anything. I contacted one of the IETF chairs and then learnt about the explicit registration - this made me miss the first talk.

I think the meetecho would cause the shared slides unclear. This may cause some inconvenience to a certain extent.

A couple of things that are annoying about meetecho chat: [1] the chat window gets automatically closed on your computer as soon as the meeting ends (ie without asking me and before i've finished reading it, or replying to comments) [2] there isn't an easy way of copying the text from meetecho chat to computer (= corporate windows machine) (you can only do a little bit at a time)

Can you please clearly write "Separate registration required" next to the ANRW session? That would have helped me be aware of this before the meeting started.

Meetecho improvements for small screens (ie phones)

We're in need of a "try this out and see what others experience" feature. This would let participants check their audio setups. For my part, I had issues with screen sharing (reported to tools-discuss) with the video not properly refreshing when I changed slides. Their answer was "report a bug to Firefox"... but I don't have sufficient ability to reproduce it without a live session.
How can we improve the meeting participation mechanisms?

Gather is a cute toy, but it doesn't really work, because the social cues of a real social interaction aren't there. You must start the interaction to work out whether the folks already there are chatting, having an intense discussion, or heads-down on a problem. You can tell that before deciding to engage in a normal setting, but not here. The few interactions I had didn't work as anything other than greetings because there were always people wandering in (and at least twice I was the one wandering in and wondering how to wander back out).

Meetecho has got much much better, it's way better than Zoom or Webex for this kind of meetings. I would just find a way to make it clear who's currently talking, by listing the name(s) in a specific part of the page and not buried in the participants list. I find Gather almost useless, a mockery of social interactions.

I think it was very good.

Gather is pretty sparse: in part because the snacks are away from my computer.

Allow a setting to allow every participant to speak, while still listening to others

Fix meetech or use better tech. Meetecho didn't work on safari (microphone fail). Had to switch to chrome. I don't see the benefit of using Meetecho over existing tech that works well like zoom.

Names of speakers appear in Meetecho, but don't appear in the recordings posted to YouTube. Because they appear in MeetEcho, people mostly don't say their full names and are addressed by first name. That leaves a watcher of the YouTube recording guessing about which person is speaking. Please include speaker names in YouTube recordings.

I would love it if Meetech sessions dumped you back out into Gather when a session ends ...

It would be fantastic to have an option to attend in person in Madrid for IETF 112

I don't understand how Gather is intended to be used. I tried attending one of the newcomers coffee breaks and I couldn't hear most of the conversation, even when "standing" next to the speaker; I think that would have been better in Meetecho. Then I wandered around a little but didn't know how I'd find a conversation to join. I'm not convinced that the idea of "physical space" adds anything to an online gathering.

N/A

Sell Gather harder
How can we improve the meeting participation mechanisms?

Use of gather during breaks really dropped as the meeting progressed. I think people needed to take breaks during the breaks. I wonder if it might make sense to select 2 2-hour blocks during the week (1 before and 1 after the block of session times) that are called “networking events”. Come to gather during this time with the express purpose of running into random people.

Remove the delay on the audio stream

when a WG ends, automatically moving all people to Gather so that all persons are in Gather and there is a chance for social interaction. (just like in real meetings, all people are in the room/corridor after the meeting and we can have social interactions)

Single sign-on for all events: ANRW, hackathon, side meetings, etc

I reported some difficulties where meetecho popup windows obscured useful or necessary (go to next slide set) controls. The meetecho folks were good at providing workarounds for some of the problems (using arrow keys to go to the enxt slide.)

I had a problem with audio buttons on MeetEcho. As a working group chair it pretty much took me out. There are two controls for audio on the screen, and both affected the entire audio stream, not just muting myself. I would to be able to mute myself.
Q25 - How satisfied were you with the response you received to your problem report(s)?

<table>
<thead>
<tr>
<th>Satisfaction Level</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very dissatisfied</td>
<td>11.11%</td>
</tr>
<tr>
<td>Dissatisfied</td>
<td>16.67%</td>
</tr>
<tr>
<td>Neither satisfied nor dissatisfied</td>
<td>16.67%</td>
</tr>
<tr>
<td>Satisfied</td>
<td>33.33%</td>
</tr>
<tr>
<td>Very satisfied</td>
<td>38.89%</td>
</tr>
</tbody>
</table>

Field Mean Std Deviation Count Bottom 2 Box Top 2 Box

How satisfied were you with the response you received to your problem report(s)? | 4.00 | 1.00 | 18 | 11.11% | 72.22%
Q26 - How can we improve our problem reporting process and our response?

How can we improve our problem reporting process and our response?

Far too slow. I was struggling to get into a Meetecho session and needed an instant response. My login was blocked and I missed a session.

It's unclear to me if there was a different way of reporting a problem or getting support than the helpdesk is Gather. (It's in the email, but I missed that) Perhaps a link somewhere on the Agenda page would help?

The problem wasn't resolved. I found a workaround on my own.
Q27 - Is there anything else you would like to say?

Is there anything else you would like to say?

no

Overall, very well done!

I had a lot of fun! Really enjoy the online meeting, as I would not be able to attend in person events.

I am looking forward to in-person hybrid meetings in the future. Things about fully-remote meetings: * Pro: I am not sure my employer would have given me the opportunity to take part in IETF meetings if I would have needed to be there in-person * Con: Because it was fully remote. It was difficult to argue that I will get a sufficient amount of time off from work to attend other IETF sessions etc.

keep up the good work!!!

From my vantage point, the IETF loses collective steam. Most participants come “just” to defend their draft or ideas, nothing else. No more social activities, and therefore collective innovation. That also valid for myself. If we don't meet physically soon, I would not bet much on the IETF as THE Internet SDO. Not an optimistic view, but the elephant in the room.

Thanks, maybe we need to increase remote virtual meeting server to make connect to meeting fast

It's a tremendous mistake to move Madrid to an online meeting. IETF is just losing relevance, because industry discussions do no longer happen in IETF hallway. Instead we just schedule a webex during any other week of the year. Big companies are starting to see no value in IETF and each day support less and less their employees to attend.

I hope for a face-to-face / hybrid meeting soon. I am disappointed that Madrid got completely cancelled (although I understand issues with cost etc). Gather is not a replacement for real hallway conversations. As a suggestion, might try to organize regional “meetups” or meeting pods for IETFers in the area (e.g. Bay Area, London, Germany etc)

Nope.

End the fees for remote participation.

I wish there was a way to get more people in Gather
Is there anything else you would like to say?

This survey doesn't work in Firefox with privacy badger and ghostery enabled.

Doing the best job that could be done remotely, but really looking forward to in-person

Thank you to Meetecho for improving the tooling, it worked really well! Have we experimented with an online social event in Gather (or two, one before the sessions, one after)? I'd like to try this.

Overall it went well. I really liked the new meetecho hosted slides (instead of streaming a remote desktop).

Madrid isn't as scary a prospect as people think. Europe's vaccination rates are getting higher all the time and the sensible behavior of masking indoors and keeping social distance is both mandatory and common. If we drop this meeting, we're in real trouble because Bangkok would have been a low point for attendance under any circumstance. After the signal of dropping Madrid, only real die-hards will go and the social credits we've been spending to keep things going will run out.

Let me repeat: bring back the physical meetings... working in the middle of the night was awful. It led me to skip non-vital sessions (including the plenary) and to be less effective than normal in vital sessions and in my day job and life, which I could not give up. I'm not sure I would do it again - if another virtual IETF meeting ever happened in this timezone, I could skip it altogether.

I hope remote participation to IETF meetings would remain possible in the future even after Covid-19 period.

Starting at noon PDT just because the other online meetings started at noon local time is suboptimal. 9 AM PDT would have been a much better starting time for the majority of attendees (this was discussed at length on several lists). When meeting completely online, the IESG should determine the starting time for each meeting more intelligently than just "starting at noon local because that what we did the previous meeting".

Thank you!

111 was the best of the online IETFs so far. Well done!

This was still a very useful IETF meeting for me, even with conflicts and short sessions. I'm not sure if this survey is supposed to include thoughts about the announced side meetings, but the ones I attended were important, well-attended (up to 70-80 attendees in one case), cross-area, and well-organized. Maybe the IESG could be approving some of these as non-working group-forming BOFs, if that trend continues?

Thanks for making IETF 111 online about as good as I think it could be.

This was my first IETF meeting and it was an interesting experience. I hope to attend again in the future.
Online is better than not meeting, but in-person is MUCH more effective than online. We need to get back to in-person meetings as soon as health permits.

Thank you for a great meeting, hope the next one can be in person!

session time IST 12 am - 5 am-midnight, so I cannot participate all sessions

Erm, scheduling. I know it's hard, but Friday afternoon had three area meetings against each other. That has to be a major fail because we want people to come from one area to see what is going on in another area.

It is painful doing everything online. We MUST have a f2f meeting in Madrid, even if only 200 people can go.

It is evident that there has been a good deal of work done to improve the quality of the tools, so thank you!

good job - well done - thanks to all to whom this may apply ;-) 

Timing was painful for Europe. This prevented me for attending multiple WGs which were during the night (1-3 AM)

I expect from the IETF a detailed roadmap how to achieve zero carbon dioxide footprint, i.e., specific dates when the IETF will ensure that all IETF standardization activites are fully CO2-neutral, including travelling. In that sense, Meetecho-only meetings may not be a COVID-19 bug, but in fact a feature. The mission of the IETF is to make the Internet better. That cannot imply making the world worse for the next generation of Internet users.

I wish we can come back to normal meetings soon!

Anyway, besides those small issues with time zone and sessions overlap, thank you very much for keeping the IETF going on in such hard environment!

Great job

After changing jobs I currently can not broadly participate in IETF and I could not attend in-person meetings overseas (if there were any). However, I still contribute to one working group in my spare time. Having to apply for a fee wavier and going through the registration process is technically not a problem, but still I feel a bit hesitant to do so, just to take part in one session via meetecho. Not sure what the solution is, but care should be taken to balance the need of IETF to collect registration fees and the need for low-effort participation for newcomers and people that make only few (but hopefully significant) contributions.

Thank you for all your hard work! Learned a lot as always.
The one WG session I attended was postponed in favour of an interim meeting because various key participants could not make it. One person in NZ was ruled out because the session fell during his working day. Another had a session clash. Another didn't register until too late and consequently didn't make it. An interim meeting is easier to schedule to suit all the key participants.

Thank you for keeping virtual IETF meeting like as F2F meeting.

It was a pleasure attending all the groups/meetings I was able to attend. It was productive all around for me.

I had looked at Gather at IETF 109, and hadn't been impressed. For that reason, I didn’t try Gather at this IETF.

This is all working remarkably well. How the social structure of the IETF will look two years from now is unclear, however. There will be long term effects of some kind.

I found the questions fading in and out for this questionnaire to be more difficult than in the past. Not sure what the difference is.

I think the organizers for a successful meeting in spite of the complexity of organizing a large meeting online.

End of Report