Q1 In what region do you live?
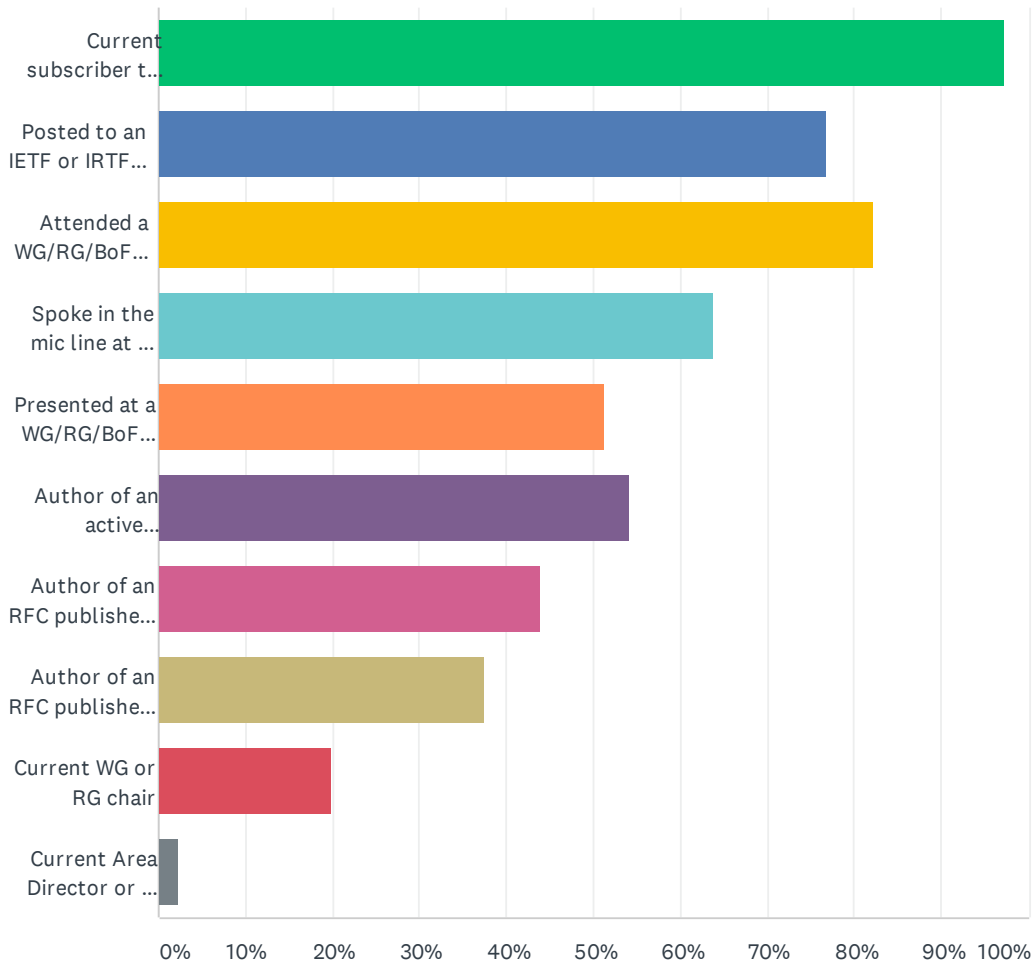
Answered: 575   Skipped: 1
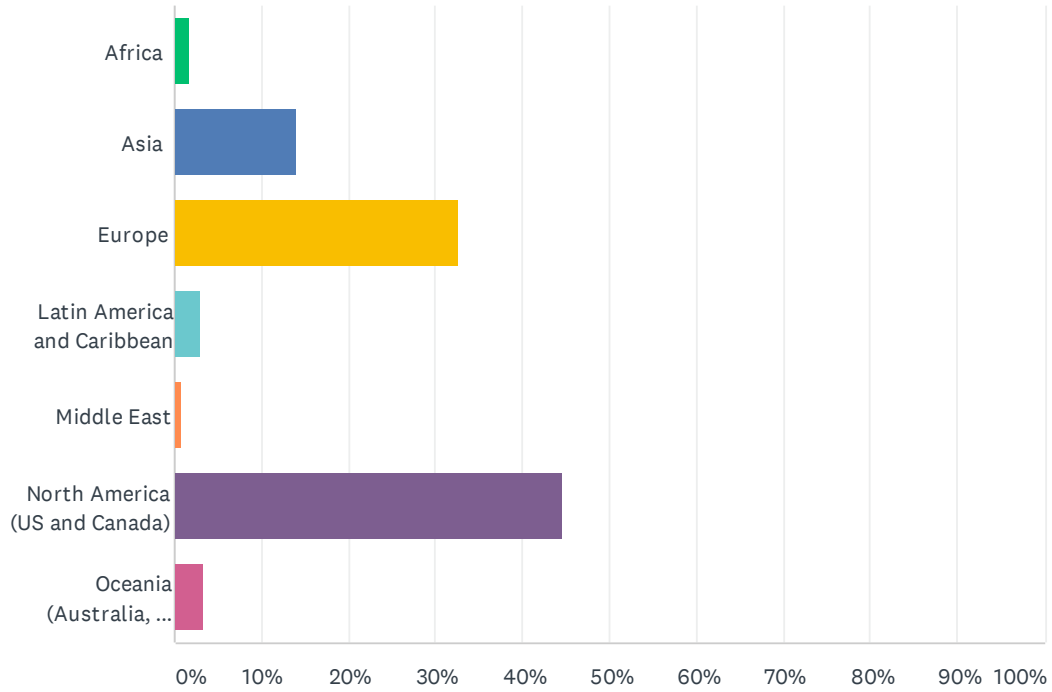
ANSWER CHOICES	RESPONSES	
Africa	1.74%	10
Asia	13.91%	80
Europe	32.70%	188
Latin America and Caribbean	2.96%	17
Middle East	0.87%	5
North America (US and Canada)	44.52%	256
Oceania (Australia, New Zealand, Pacific Islands)	3.30%	19
TOTAL		575

# Q2 Which of the following applies to you? (check all that apply)

Answered: 576   Skipped: 0

ANSWER CHOICES	RESPONSES	
Current subscriber to an IETF or IRTF mailing list	97.22%	560
Posted to an IETF or IRTF mailing list within the last year	76.74%	442
Attended a WG/RG/BoF meeting within the last year (in-person or online)	82.12%	473
Spoke in the mic line at a WG/RG/BoF meeting within the last year (in-person or online)	63.72%	367
Presented at a WG/RG/BoF meeting within the last year (in-person or online)	51.22%	295
Author of an active Internet-Draft	54.17%	312
Author of an RFC published within the last 5 years	43.92%	253
Author of an RFC published more than 5 years ago	37.50%	216
Current WG or RG chair	19.79%	114
Current Area Director or IAB member	2.26%	13
Total Respondents: 576		

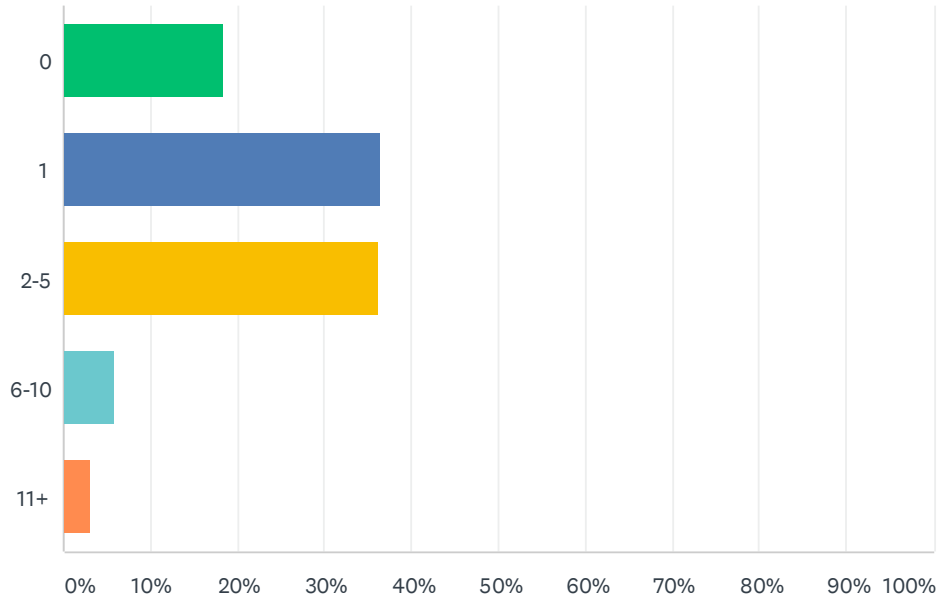# Q3 How many IETF Meetings have you participated in in-person?

Answered: 576   Skipped: 0
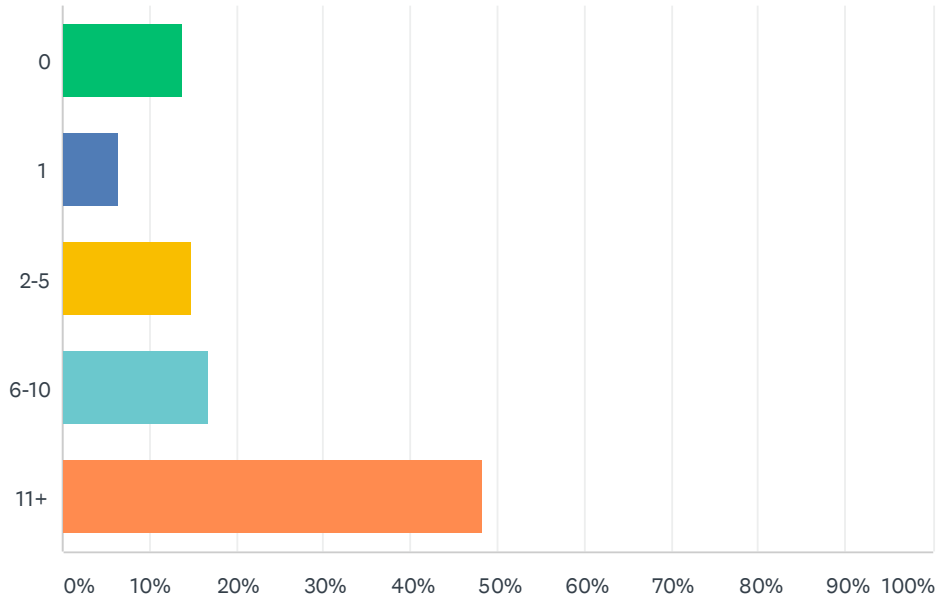
ANSWER CHOICES	RESPONSES	
0	13.72%	79
1	6.42%	37
2-5	14.93%	86
6-10	16.67%	96
11+	48.26%	278
TOTAL		576

Q4 How many IETF Meetings have you participated in solely online?

Answered: 572   Skipped: 4

ANSWER CHOICES	RESPONSES	
0	18.36%	105
1	36.36%	208
2-5	36.19%	207
6-10	5.94%	34
11+	3.15%	18
TOTAL		572

Q5 Before COVID-19 happened, how many 2020 IETF meetings (IETF 107 Vancouver, IETF 108 Madrid, IETF 109 Bangkok) did you plan to participate in in-person? (Pick your best guess)

Answered: 575   Skipped: 1
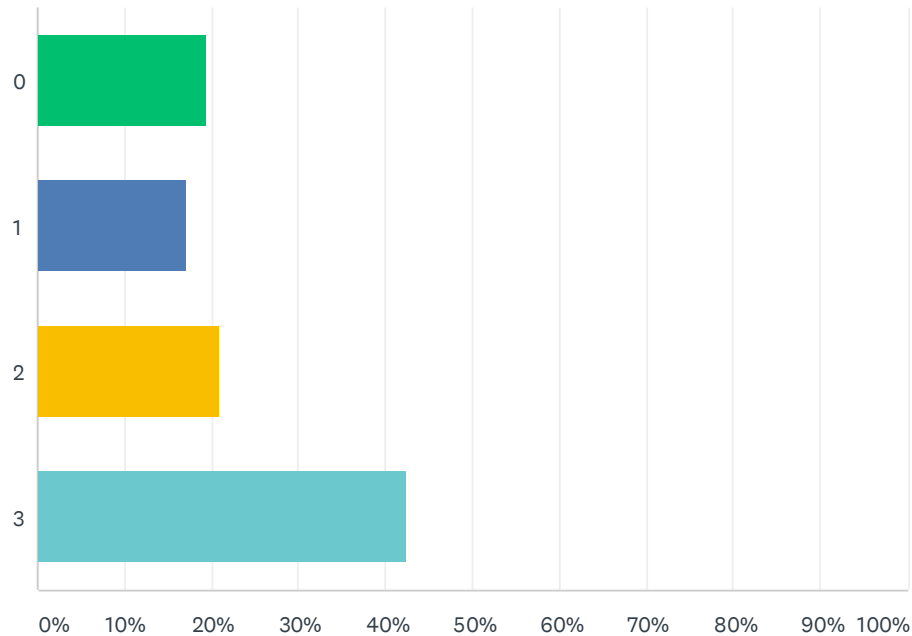
ANSWER CHOICES	RESPONSES	
0	19.48%	112
1	17.22%	99
2	20.87%	120
3	42.43%	244
TOTAL		575

Q6 Did you participate in the one-week online IETF 107 meeting (20-27 March 2020) that replaced the in-person Vancouver meeting?

Answered: 533   Skipped: 43
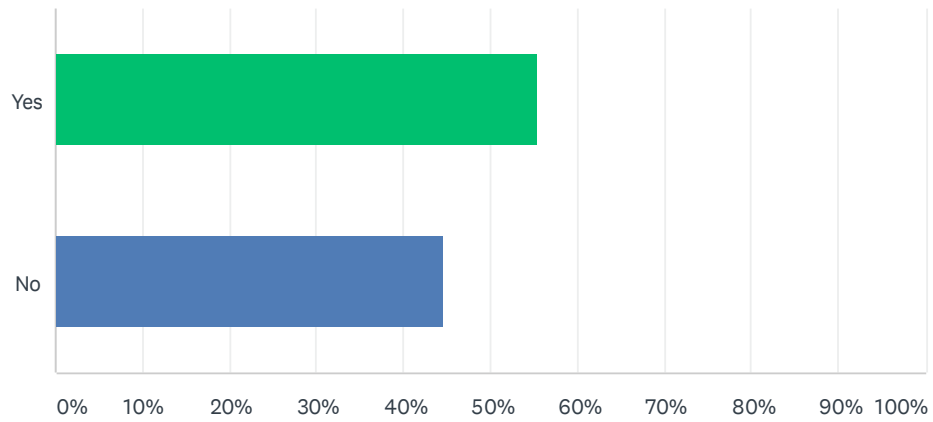
ANSWER CHOICES	RESPONSES	
Yes	55.35%	295
No	44.65%	238
TOTAL		533

Q7 How many of the virtual interims that followed the one-week IETF 107 meeting have you participated in?

Answered: 528   Skipped: 48
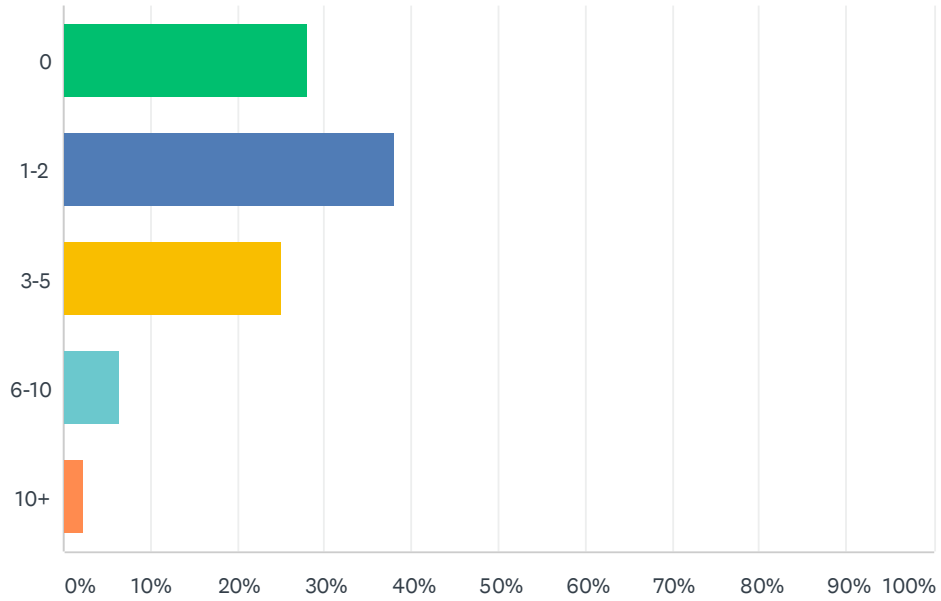
ANSWER CHOICES	RESPONSES	
0	28.03%	148
1-2	38.07%	201
3-5	25.19%	133
6-10	6.44%	34
10+	2.27%	12
TOTAL		528

Q8 How satisfied were you with the scheduling of those virtual interims?

Answered: 506   Skipped: 70
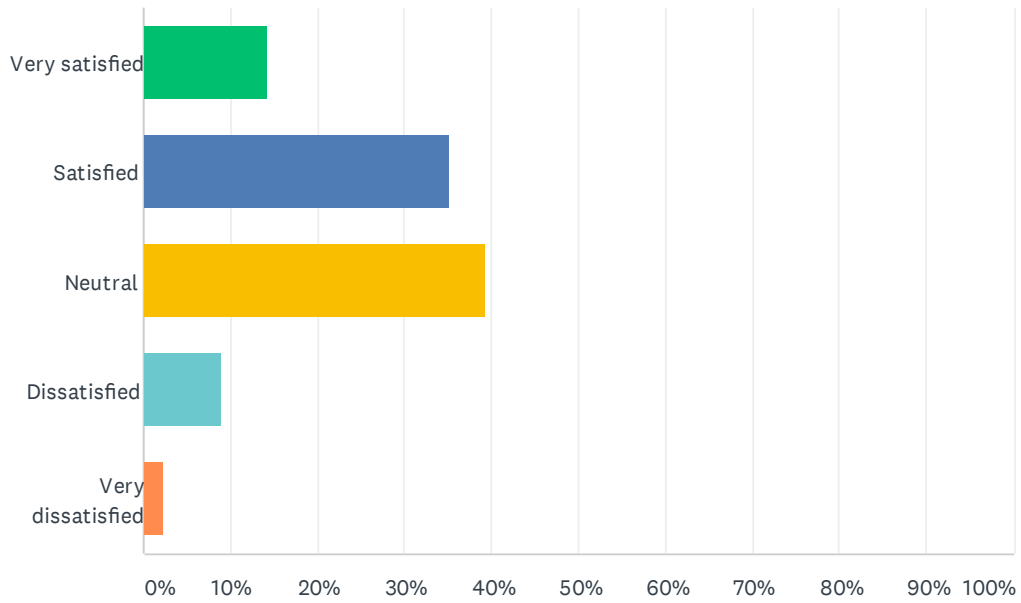
ANSWER CHOICES	RESPONSES	
Very satisfied	14.23%	72
Satisfied	35.18%	178
Neutral	39.33%	199
Dissatisfied	8.89%	45
Very dissatisfied	2.37%	12
TOTAL		506

Q9 Considering both the online IETF 107 meeting and the virtual interims that followed it, how productive has your replacement IETF meeting experience been overall?

Answered: 519   Skipped: 57
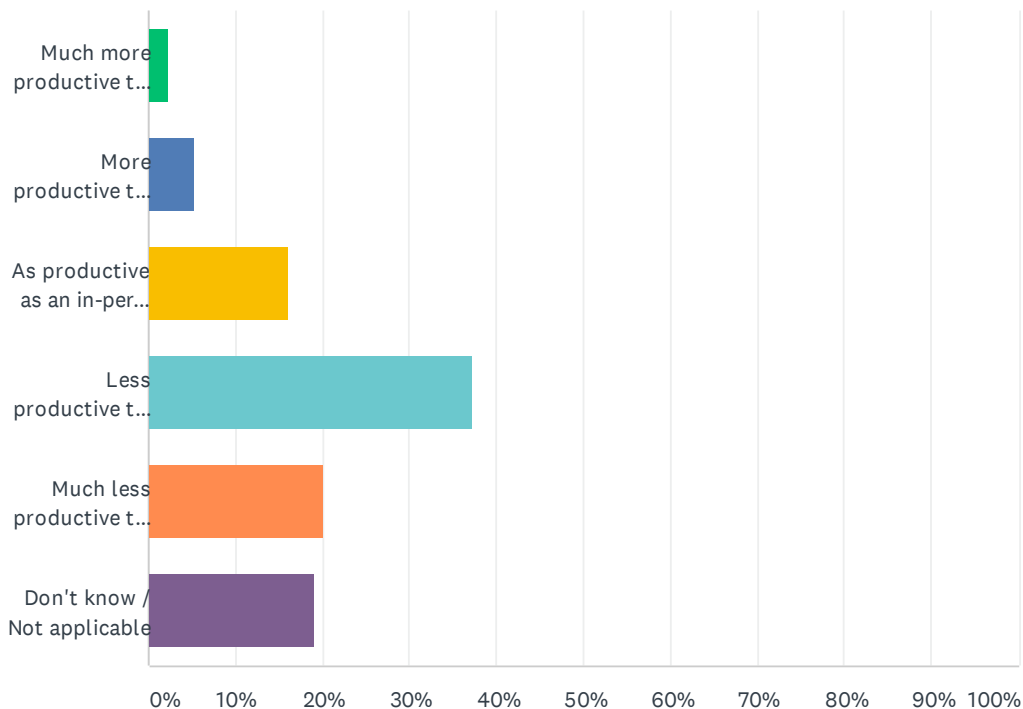
ANSWER CHOICES	RESPONSES	
Much more productive than an in-person IETF meeting	2.31%	12
More productive than an in-person IETF meeting	5.20%	27
As productive as an in-person IETF meeting	16.18%	84
Less productive than an in-person IETF meeting	37.19%	193
Much less productive than an in-person IETF meeting	20.04%	104
Don't know / Not applicable	19.08%	99
TOTAL		519

Q10 Is there anything else you would like to tell us about the online IETF 107 meeting or the virtual interims that followed it?

Answered: 173   Skipped: 403

Planning for possible online IETF meetings

#	RESPONSES	DATE
1	Continue to be concerned that the flood of interim meetings are turning into a substitute for sorting out issues on mailing lists and hence, especially in combination with loss of the dedicated weeks in which many or most people are f2f and in the same place (and time zone) all week, narrowing the range of input and cross-area review for IETF documents and other work.	5/11/2020 1:39 PM
2	My answer above on productivity was based on productivity in relation to the invested time. Considering that it has been a win. Being in an all online meeting has worked much better than being a remote participant at one of the regular physical meetings.	5/11/2020 8:52 AM
3	The virtual interim was not well-announced (including agenda); there was virtually no meaningful discussion (one-way street).	5/11/2020 4:44 AM
4	when I participated in ICNRG online meeting (after IETF107), webex really sucked badly	5/11/2020 3:41 AM
5	At in-person meetings, I often attend WG meetings and side meetings only indirectly related to my own, which helps my "situational awareness" and the value prop of IETF for my employer. I also spend a lot of time in side meetings and "hallway track" discussing the business of my WG with participants and draft authors. For 107, I did neither; I participated actively in several WG meetings but that was all. The WGs were so scattered I couldn't focus a day at a time never mind a week, and there were too many distractions-- I couldn't protect a lot of time.	5/11/2020 12:57 AM
6	less distractions	5/10/2020 9:04 PM
7	I would love the opportunity to participate in virtual IETF sessions, but because the NTP WG has many subject matter experts in Europe & North America, the scheduling has never been feasible for me to participate so far.	5/10/2020 11:23 AM
8	I will admit I was surprised how well the queue system worked even for the more well attended meetings.	5/9/2020 5:33 PM
9	I think that at least a meeting per Area should have been scheduled in the virtual #107	5/8/2020 9:19 PM
10	I (and others) sometimes attend a few meetings face to face where I don't follow the mailing list, and occasionally speak at the mic line to pass on some relevant information. Online meetings don't really facilitate that, and attendance is lower (including number of people commenting, not just lurkers).	5/8/2020 12:29 PM
11	virtual interims have been the same scheduling, methods, etc, as in the past - no significant changes to that process as far as I can tell.	5/8/2020 2:29 AM
12	The lack of hallway, serendipitous meetings and chats is a significant difference between the online and the in-person meetings.	5/8/2020 12:53 AM
13	The IETF meeting is not limited to the WG meeting the discussions out in the corridors are very important, they improve the collaborations	5/7/2020 7:51 PM
14	No appropriate meeting time can be scheduled for every participant	5/7/2020 1:36 PM
15	IMHO the virtual meetings are drastically less productive for the following reasons: - less focus. When I'm dedicating a week for IETF activities and not doing other things I'm much more productive comparing to 'trying to attend another interim in the middle of the night or between other work meetings' for a few weeks in row - hallway conversations are very important and I do not think we are ready to replace them with a chat room. Chat room requires you still be in that room and pay attention, which is different from you walking to get some coffee and meeting a colleague who brings up a great idea	5/7/2020 10:14 AM
16	Very well organised given the situation.	5/7/2020 8:40 AM
17	Longer durations (2-3 hours, rather than 90 minutes) would be better for virtual interim meetings - agendas have been too crowded.	5/7/2020 6:07 AM
18	We need to meet in person to get meaningful work done.	5/7/2020 5:22 AM
19	The meeting organisation was poor, especially in terms of starting on time and following the posted agenda.	5/7/2020 4:17 AM
20	We need to find or develop software to replace the hallway track.	5/7/2020 4:07 AM

21	With in-person meetings I attend many more sessions since I am there anyway. With on-line meetings, I only attend the few sessions that I am actively involved with. That is a loss since there is much less cross-polination.	5/7/2020 2:33 AM
22	It's much harder to have a casual follow-up conversation after a meeting. I really benefited from those at in-person meetings, but I've had 0 after the virtual interim.	5/7/2020 2:33 AM
23	I attended a BoF, and I felt that, while good, there was no time for before-event or after-event discussion with other non-presenters. So, good for information distribution and some good questions...but that's still not the same as in person	5/7/2020 1:57 AM
24	NA	5/7/2020 1:46 AM
25	Doesn't work. In-person is NOT just about the meeting sessions - it is about meeting people outside the meetings, at social events, etc.	5/7/2020 1:28 AM
26	The jabber rooms were important for side discussions during the session, but could also be important 10min before and after. The Etherpad on its own port is a problem with some gateways.	5/7/2020 1:12 AM
27	Working groups are not doing a good job of making interim information available through the data tracker. Etherpads, webex links and other information are not always available from an easily searchable place. Annoucements of interims should include the webex link.	5/7/2020 12:43 AM
28	As new in IETF world and writting a draft I missed all the side discussions.	5/7/2020 12:38 AM
29	Virtual interims spread over many weeks are really hard to cope with, and disruptive	5/7/2020 12:29 AM
30	The scheduling being moved out of the week many had dedicated to the IETF was difficult and led to more conflicts. There wasn't a single place to easily get calendar information for all the sessions you wanted to attend. I missed interims I normally would have attended as having to follow each list for this at the same time (chairs naturally stagger the discussions) was difficult. More organization is needed and online can be done well. Some interims were very productive and progressed work. A chair's and AD attitude matter for the chair to focus on changes in drafts getting approved or not and progressing.	5/6/2020 11:46 PM
31	Etherpad note taking lacks consistency. It should not report all dialogues, rather only important information and decisions taken.	5/6/2020 10:10 PM
32	Some virtuals were well run some we're disorganized and really awful. Running an online meet takes some different skills that some chairs need help with. Developing a formal best practices or check list would be helpful. Also without meetechos bridge to jabber, its value is greatly diminished - which is unfortunate.	5/6/2020 10:07 PM
33	I'm not keen on WebEx as a medium. I think Jitsi would be better suited for this.	5/6/2020 7:47 PM
34	Lot of issues with EtherPad	5/6/2020 7:42 PM
35	online meeting is good, as large community with lots of cross-wg works, if IETF complete go to online meeting looks impossbile, but can use physical meeting and online meeting or more interim meeting mixed.	5/6/2020 7:37 PM
36	I missed the person-to-person chats in the hall. I feel like this could not be replaced with online chats.	5/6/2020 7:05 PM
37	I would love to see an easier way to put the meetings in calendars. I would love to se a system that could generate calendar invites for the meetins I'm interested in.	5/6/2020 6:50 PM
38	We really need to have an online humming alternative. =)	5/6/2020 6:21 PM
39	Virtual meetings work well for IETF and the tooling used was adequate (but can always be improved).	5/6/2020 6:08 PM
40	The time scheduling makes participation from east asia/oceania brutal. I decided not to bother pulling an all-nighter.	5/6/2020 4:48 PM
41	Online meeting is held at an unfriendly time for asia participants. Understand it is always hard to pick a time. So may consider to learn from the face-to-face meeting time zone approach. Online meeting scheduling accomodates one of the three major timezones for one out of three meetings every year.	5/6/2020 4:15 PM

42	there is no proper communication about this, Please comunicate properly.	5/6/2020 3:20 PM
43	the online experience was closer to a live WG session than I would have expected	5/6/2020 1:56 PM
44	I can't access the webex recordings of the virtual meetings from https://datatracker.ietf.org/meeting/past	5/6/2020 1:50 PM
45	It's obvious that people (including me) is not as concentrating in the online meeting as in the F2F meeting.	5/6/2020 12:56 PM
46	I wanted to attend, but it was at a really bad timezone offset, and other COVD-19 life stressors meant I simply did not have the capacity to shuffle my days around in order to attend.	5/6/2020 12:17 PM
47	Choice to not participate was driven largely by choices of remote participation (jabber and meetecho). Please use zoom and slack or other well-supported stuff.	5/6/2020 11:47 AM
48	The virtual mic lines are way more productive than the in person ones	5/6/2020 10:42 AM
49	In my case, I was planning to join 107 remotely, which is why I was more productive with everyone being remote. I can imagine that for those planning to attend in person it would be different.	5/6/2020 9:38 AM
50	The working group meetings overall went about as well as they would usually go in-person, but the lack of hallway conversations was felt quite strongly.	5/6/2020 8:30 AM
51	The online meeting worked better than I expected.	5/6/2020 8:06 AM
52	I cannot arrange my time to follow virtual meetings, very hard to concentrate on IETF	5/6/2020 7:26 AM
53	Virtual meetings are only good as support tool between IETF but it can not replace actual in person meeting.	5/6/2020 7:23 AM
54	different timezone & full work day = no effective...	5/6/2020 7:02 AM
55	The thing that I really missed wrt the virtual 107 was the side meetings with colleagues. Also, being focused on Internet technology dev for a week solid, as opposed to scheduling specific WG meetings into one or 2 hour slots through the following weeks. Don't get me wrong -- I appreciate that we had the opportunity to have virtual meetings! They are always just going to be less than the real thing, if one can get to the real thing.	5/6/2020 5:55 AM
56	It confirms that most of the IETF work does not happen at WG presentation time.	5/6/2020 5:38 AM
57	These meetings have to be scheduled so that people from most timezones can participate. it should not be only America/Europe timezone friendly	5/6/2020 5:21 AM
58	The sessions themselves were fine. It's the hallway and random discussions that are lacking.	5/6/2020 5:17 AM
59	I miss the personal interaction. Online doesn't provide that.	5/6/2020 5:06 AM
60	The TxAuth virtual BoF was nothing like a real BoF and far less productive. At a real BoF, you can look around the room and judge people's reactions as a mechanism for helping guide the room towards consensus. That feedback was entirely missing from the virtual BoF. Yes, the usual suspects talked, but there was no way to gauge how what they said was received.	5/6/2020 4:48 AM
61	Prefer f2f, but online worked better than expected.	5/6/2020 4:22 AM
62	Hard to replace hallway chats.	5/6/2020 4:07 AM
63	This might be specific to the TSVWG at the present time, but certain procedural matters are not working well at present, and I think those have been easier to steer back on course during the in-person meetings.	5/6/2020 3:43 AM
64	It is more difficult to get the sense from the room (like humming)	5/6/2020 3:42 AM
65	Like online bluesheet, etherpad for question queue	5/6/2020 3:42 AM
66	Online meetings have slightly better mic discipline than in-person meetings, wherein remote participants may have trouble hearing and being heard.	5/6/2020 3:30 AM
67	It's quite a bit harder to shift timezones for online meetings.	5/6/2020 3:28 AM
68	Focused work in a limited timebox, I like this.	5/6/2020 3:20 AM

69	The problem with virtual interim was they are staggered over multiple weeks. For most of the days we had to spare extra hours in addition to the regular work. With one in-person week meeting format - the focus is 100% on IETF meetings. This type of focus was missing and also impacted productivity of regular work.	5/6/2020 3:15 AM
70	The virtual interim meetings essentially prolonged the IETF meeting. This would be okay, if all I ever do is IETF stuff. But for many, this increased the number of meeting collisions very significantly - which is a major problem.	5/6/2020 3:14 AM
71	We have been holding 1-hour sessions, and always run out of time. These would benefit from being 90 minutes or 2 hours.	5/6/2020 2:57 AM
72	The lack of video impacts the non-verbal queues. The queue system is invisible while presenting in general.	5/6/2020 2:56 AM
73	While I understand the reasons for virtual meetings, the face-to-face IETF meetings are not a replacement for the amount of knowledge gained and the relationships built.	5/6/2020 2:50 AM
74	I miss a "virtual corridor". In IETF in-person, right after each virtual meeting, you hang with the people, get further questions, offline comments, trigger new collaborations… That part is somehow lost now. The WG meeting itself is similar	5/6/2020 2:50 AM
75	Even with the challenges of managing an online meeting with many participants, it was well run and maintained a good pace.	5/6/2020 2:46 AM
76	On-line meetings are less expensive, have a low carbon footprint and are accessible to talented people w/o the sponsorship from a company to travel and pay for the high fees of an IETF meeting. On-line meeting could ameliorate the technical quality of the IETF.	5/6/2020 2:43 AM
77	It worked perfectly. Please consider on-line and virtual meetings, even after the pandemic passes	5/6/2020 2:40 AM
78	6MAN WG seems to flourish its Interim activities... I am happy for it, but I also find it too many right now.	5/6/2020 2:37 AM
79	The TSVWG should have figured out how to conduct a vote/hum before the TSVWG interim meeting.	5/6/2020 2:36 AM
80	The online 107 meeting and the virtual interims were very well run. But, there's no easy way to replicate the side conversations, group work sessions, etc. that come with a face to face meeting.	5/6/2020 2:33 AM
81	One thing is that I was able to go to a RG meeting that I wouldn't have been able to attend (due to a conflict with another WG meeting that was originally scheduled at the same time)	5/6/2020 2:33 AM
82	In person is better, but what can you do?	5/6/2020 2:32 AM
83	I was not aware of the online IETF 107 meeting and virtual interims, but I would like to participate in future meetings.	5/6/2020 2:31 AM
84	They don't replace hallway conversations and discussions over beer. For the pure WG/RG time, they work very well, however!	5/6/2020 2:28 AM
85	I think it worked well with blue sheet sign in and agenda sheet. On the BESS WG we had a agenda sheet which queued up people to ask questions so everyone is not talking at the same time over each other and that worked well. For larger audiences I think it maybe more challenging. In all the interim WG the chair or point person flipped the slides versus passing the ball with a large list of people was challenging so passing the ball was not done. That it something we may want to improve how to pass ball so anyone can present.	5/6/2020 2:21 AM
86	Please, please pick a time that also works for people in Asia. All the IETF 107 meetings were scheduled for 10pm UTC, which works great for people in Europe and the US, but practically excludes everyone living in Asia.	5/6/2020 2:18 AM
87	The virtual meetings are a necessary adaptation to an unfortunate situation. Unlike others who can thrive on teleconferencing I am much less productive, with much more fatigue, and much less satisfaction than at in-person events. Despite the carbon footprint, I find travel to meetings a salutary break in my routine, and a nearly essential element of my professional satisfaction.	5/6/2020 2:02 AM
88	Virtual meetings are good for peoples health, good for the environment, good for productivity,	5/6/2020 1:56 AM

good for company budgets. We designed the internet, why can't we just use it?

89	There technology stack is really not setup for 100+ people. Having WebEx have a chat that's only used for mic queueing is not great. Having Jabber separate is annoying. Particularly problematic is the inability of WG chairs to call for a hum.	5/6/2020 1:26 AM
90	The meetings I attended were productive because I spent the extra effort to make them as productive as possible given the situation at hand. For the OAuth meetings I would even say that we accomplished more during the online meetings than we traditionally did during the f2f meetings because more people joined the calls.	5/6/2020 1:19 AM
91	Somehow I seem to have missed announcements - the IETF plan to cancel or to reorganize the Vancouver meeting was not very transparent to me. Which mailing list would I need to subscribe to to get this information in a timely manner?	5/6/2020 12:58 AM
92	People were better behaved and less shouty during the on-line meetings. Which was good. But the physical interaction was missing and that was bad.	5/6/2020 12:40 AM
93	They generally worked very well. The difficulty is in replacing the aspects of the meeting that occur outside the sessions.	5/6/2020 12:30 AM
94	It could be nice to have other options to participate. Like, a collaborative document where multiple inputs may apply at the same time. I am thinking in something related with NetMundial or maybe IGF High Panel on Digital Cooperation examples, where paragraphs and comments could lead to sub-comments of anyone in the world with an opinion. For example, you can mention a particular paragraph from a mailing list email.	5/6/2020 12:29 AM
95	I disliked tons of "virtual interims", I would rather have all of them in 1 week. It is hard to plan your life about interims spread out over a month or more.	5/5/2020 11:47 PM
96	Don't spread out the meetings over a month! Don't distribute the scheduling task to the WGs. Make a schedule for all meetings in one week, or a few days more if absolutely necessary (say Monday week 1 to Wednesday week 2 except weekend), and encourage no virtual interims in the period before or after. In particular for the summer meeting many in Europe have vacations before and/or after the IETF meeting. The solution of IETF 107 will result in either less participation or negative impact on vacation. Even in the case of non-summer meeting, having the "extra meetings in other time zone" is not acceptable for such a long period of time as it was for IETF 107.	5/5/2020 6:47 PM
97	Floor control and discipline is important. I would say the the TSVWG chairs did a good job at the last interim	5/5/2020 6:25 PM
98	Most of the presenters had good sound quality and the slides were all available to follow along and make notes during the presentation. This was very helpful A few times the slides were not available for download and this made that presentation in the meeting less productive.	5/5/2020 5:37 PM
99	It was good that the virtual interims were spread out over several weeks as that makes attending easier.	5/5/2020 1:27 PM
100	Time for virtual interims are not very convenient. Not sure why some days seems to have many scheduled back to back.	5/5/2020 1:26 PM
101	Abandon all scheduled meetings, virtual or otherwise. Transition to a permanent, ongoing online conversation covering all technologies that IETF covers, leading to new work 100% online, iteratively, organically, without a schedule.	5/5/2020 12:58 PM
102	The formal meetings were at least as productive as usual, but the lack of informal conversations reduced the overall value of the week significantly.	5/5/2020 8:36 AM
103	Productivity required "all" participants who'd have shown up in person to be on the calls. That hasn't always been the case and, in some cases, our virtual interim call hasn't happened yet.	5/5/2020 8:35 AM
104	The calendar that spread the "normal" meetings throughout April did not appreciate that there are *other* Orgs meeting, and IETF's week was over.	5/5/2020 8:12 AM
105	It's still valuable to have virtual meetings, but they will never be suitable replacements for in-person meetings, where everyone is together in the same time zone, free from distractions at home and office, and available to chat during and between sessions.	5/5/2020 7:41 AM
106	The tooling was difficult to use as a chair. As a lurker it was mostly fine. Some of the times	5/5/2020 7:30 AM

seemed to be decided by the chairs w/o input from the group which was not necessarily helpful.

107	I would have much preferred if all the meetings happened in the one scheduled week of IETF. Having all the meetings happen the 5 weeks following IETF does not make it easier to call in, it just prolongs the inconvenience. In particular, I missed out on sending in my preferred time and had to miss many meetings.	5/5/2020 7:26 AM
108	The whole online meeting experience was way over complicated.	5/5/2020 6:48 AM
109	Initial setup was a bit chaotic. During meetings people did not follow the rules of using the chat in Webex just to add themselves to queue. Jabber seemed fairly empty and quiet. Generally discussion there never overflowed into the main discussion over voice.	5/5/2020 6:23 AM
110	we should have moved to all-virtual years ago. in spite of the e-mail as supreme mantra, many decisions are in practical terms "made" in hallways, where 98% of the world's distributed systems technologists cannot afford to be. i would say let's go all-virtual just for environment and safety reasons even if virtual was an inferior meeting, but it turns out there are also compelling representation reasons and the virtual meetings aren't inferior. this matter seems to me "cut and dried".	5/5/2020 6:02 AM
111	The work that I'm involved with was not on the agenda for 107 so it's hard to assess what I may have missed in serendipity.	5/5/2020 5:03 AM
112	It took a lot more time. IETF week is usually a 200m sprint. This has been a marathon. There were almost no conflicts, which meant that I could attend more meetings... so the marathon was a bit self-inflicted. Chairs were remarkably unprepared. I can't understand those who thought that they could manage from a single, small, laptop screen on the coffee table on wifi, and do so without ever having used webex before. And then, I gotta wonder about chairs who have so little experience that they haven't used webex before. Are they not involved with any design teams? Do their companies do *no* teleconferencing? I don't care which program they use, as they are mostly all equivalent. WG chairs need to do better agendas. I've been saying this for years.	5/5/2020 4:27 AM
113	no	5/5/2020 3:26 AM
114	Invites that I cannot immediately click onto my calendar get lost. Add ical or other links that easily allow me to schedule the meeti g straight from the announcement email	5/5/2020 2:52 AM
115	Virtual interims was done very well, I attended NETMOD, TEAS and I'm going to attend CCAMP. The audio was perfect .	5/5/2020 2:52 AM
116	The online IETF 107 meeting was okay, albeit it was virtually impossible to follow both the jabber conversation and presentations at the same time - better tools / tighter integration here would be good. NB Webex is not a great tool and not especially reliable, in my experience Zoom is far better. The more dispersed nature of the virtual interims has made it difficult for me to engage with these in the same way that I would have done had they been other sessions scheduled during a face-to-face meeting.	5/5/2020 2:50 AM
117	Webex isn't well integrated in IETF processes, and need tools with IPv6 support.	5/5/2020 2:41 AM
118	I find the mechanics of working group meetings more efficient on-line than in person. However, the conversations before and after the wg sessions are more difficult and often impossible to achieve without being physically present in the building. Being physically in one place encourages focus on ietf work product without distractions by family or day jobs which are understandably complications of remote participation.	5/5/2020 2:34 AM
119	Thanks for the hard work. This is hard for everyone.	5/5/2020 1:49 AM
120	The formal WG session was probably about the same, but it's really hard to gauge the reduced interaction from people (like me!) who are less likely to speak up online than in person. What really made it overall less productive was missing the serendipitous conversations of "hallway track".	5/5/2020 1:45 AM
121	If the meeting is being held on-line, the timing may not be aligned to the venue to be held in-person. Mostly, sessions are scheduled in early morning or late evening in Asia. In IETF 109, the meeting session will be scheduled in 9am through 7pm in Bangkok time?	5/5/2020 12:20 AM
122	I'm happy that 107 came about though of course very few groups actually met. I accept the necessity of the virtual interims given the pandemic, but remain concerned that this style of	5/5/2020 12:08 AM

meeting fragments IETF and provides less opportunity for cross-area review, when we need more of it. There are too many virtual meetings with too haphazard a schedule and the scheduling of virtual meetings needs to be coordinated in such a way that not only accommodates participants from a variety of timezones but also facilitates visiting from parties who are not constantly in the WG loop.

123	Thank you for the proposing times giving to the interim meetings that followed the virtual IETF 107 to not collide with other interim.	5/5/2020 12:04 AM
124	High cognitive load for chairs managing Webex, Jabber, Etherpad, e-mail simulateneously. Difficult to have meaningful technical discussions (tools, culture).	5/4/2020 10:24 PM
125	Fortunately, the virtual interim meeting organized by TSVWG for a convenient time for participants from India (including me).	5/4/2020 9:53 PM
126	Main problem from my view are the missing side discussions (either hallway or even during the WG meetings). This can't be compensated by using jabber.	5/4/2020 9:16 PM
127	Attendance was good, however, getting the opinion from the room is more difficult (no humming).	5/4/2020 8:53 PM
128	It was chaos, and made it impossible to set aside a block of time to focus on IETF. My overall impression is that IETF work has reduced to a small fraction of it normal level across the board,	5/4/2020 7:35 PM
129	Nothing compared to the real thing in my mind. Also dissatisfied that some meetings took place long after the IETF-week (like DNSops in my case).	5/4/2020 7:22 PM
130	Virtual was fine for rolling WGs, not as fine for new work that requires a lot of discussions, many of which in corridors	5/4/2020 7:21 PM
131	I did not join the IETF 107 online meeting and a few virtual interims that were inconvenient (please read that as midnight to 6am) for my timezone (India Standard Time).	5/4/2020 7:20 PM
132	Usually in face-to-face meetings, the agenda is clear. With virtual interim, the agenda tools and the information is not clear enough. Webex also is not the best tool to use for virtual interim. Meetecho is a better tool (integrated jabber with everything else).	5/4/2020 7:10 PM
133	The virtual interim was a good replacement for the in-person session, as this WG has already done virtual interims before, so we know how to do them. For online IETF 107, I barely participated in any sessions because all WG/RG sessions of interest were canceled. However, I did briefly listen in on the plenary. Also, I tried out the virtual hallway: Somebody I knew wrote something in the public chat, which gave me an excuse to message them directly, and we had a nice brief conversation. So, I don't think a "virtual hallway" works to chat with everyone. But there is worth in knowing that somebody is currently online and available to chat, especially if I don't have other contact information for this person. Going forward, maybe as a virtual hallway replacement or addition, I think it's worth exploring anything that allows participants to signal "I'm currently available and happy to chat, please message me directly".	5/4/2020 11:00 AM
134	the meetings themselves were fine. i missed the side-meetings, meals, etc., to discuss things with colleagues/biz partners, etc.	5/3/2020 3:49 AM
135	I clicked "as productive", but a more accurate response would have been "more productive in some ways, less productive in others, so on balance, about as productive".	5/2/2020 6:32 AM
136	It's been more difficult to make time for the interim meetings since they're now competing with "day job" activities. It's much easier to dedicate time for IETF meetings while being away from the office for a full week.	5/2/2020 4:14 AM
137	It was so much better to not have to fly and sit in a hotel that was either too hot or too cold. I also really appreciated it that there was no difference in experience between people who could afford the meeting+flight+hotels and people who have to participate remotely.	5/2/2020 12:08 AM
138	IETF107 should've kept Canada's time-zone.	5/1/2020 1:47 PM
139	I learnt that WGs should probably have more virtual interims with focus to specific topics.	5/1/2020 8:44 AM
140	Past-midnight meetings are a pain...	5/1/2020 7:37 AM
141	IETF ought to look into separate near-term (Madrid) and long-term (post-Madrid) approaches to virtual meetings. For both short-term and long-term, privacy & security ought to meet the EU	5/1/2020 5:32 AM

levels of data protection. For the short-term solution, all of the items below are DESIRABLE but it is possible that lack of time and so forth might not make it practical to achieve all of them. For the long-term solution, the preferred approach (a) would use IETF & W3C standards-track (i.e., not some proprietary single-vendor solution) for both technologies & protocols and (b) would use IETF-hosted (or ISoc-hosted) servers/services. Similarly, the long-term solution ought to work well with multiple open-source multi-platform/multi-OS web browsers (i.e., at least Firefox & Opera).] For security reasons, the long-term solution ought to work well WITHOUT requiring users to install some "plug-in" or other executable software.

142	Apart from the fact that online meetings lose all the socialization and corridor discussions, the virtual experience has been super-sparse, with IETF meetings popping up continuously at improbable times. Also the online IETF 107 week was a nightmare due to timezones, I had to do ordinary work during the day and then attend IETF at night. My brain melted half-way through the week.	5/1/2020 3:56 AM
143	Less productive on two fronts: fewer scheduled meetings (including interims) and essentially zero side meetings.	5/1/2020 3:09 AM
144	I'd prefer a full week of meetings. For me its better to reserve a week focus on IETF than several meetings dispersed on several months.	5/1/2020 2:59 AM
145	It's been hugely disruptive to my job to have the IETF 107 essentially last 6 weeks instead of 1. It feels like we've not even finished with 107 and I'm starting to prep for 108. My employer is not going to be okay with my IETF work if it takes my attention 365 days a year.	5/1/2020 2:58 AM
146	WebEx seems to be a challenging technology, at least it presented problems in the ICNRG virtual interim.	5/1/2020 2:33 AM
147	I cannot see anything in a virtual meeting that will accommodate hallway conversations in a useful way. Further, the virtual codesprint made some headway, but not nearly the amount of a single day together in the same room.	5/1/2020 1:55 AM
148	The agenda of the online IETF107 meeting was too "limited" to motivate attending	5/1/2020 1:14 AM
149	I found keeping track of the interim schedules difficult.	5/1/2020 12:09 AM
150	I carefully picked kust the WGs I was interested in	4/30/2020 10:52 PM
151	The virtual WG/RG sessions are typically fine. But with all the side chats, side meetings, lunches, dinners, etc. not happening, a lot of critical community interactions that let us develop our joint opinion is eliminated. This is likely not going to be a problem for a few months, but it will become a problem in the long term.	4/30/2020 10:30 PM
152	Choppy audio connections makes it hard to understand some participants; It is impractical to hum/...; lesser degree of discussions as people have less time booked up (i.e., no hallway discussion as people go back to their other calls/work)	4/30/2020 8:29 PM
153	Mike line is quieter and more polite. OTOH, less useful interactions	4/30/2020 7:28 PM
154	It would help is chairs sent iCal invites along with date & time announcement, other than it it worked quite well.	4/30/2020 6:59 PM
155	There is less interactions, basically the mic. line is smaller. Good or bad, I don't know but it means there is less feedback	4/30/2020 6:55 PM
156	More productive in the sense of ticking off more boxes; less productive in the sense of generating new ideas and setting up projects. Also, the time that went into IETF107+ was way more than what would have gone into a physical meeting.	4/30/2020 4:29 PM
157	I would like the ability to have video, at least for the presenters and/or chairs. It is helpful to see the people talking.	4/30/2020 3:04 PM
158	In-person interims have generally been all-day, multi-day affairs. I get that these virtual interims are trying to replace the IETF sessions we could have had, but I feel like we could get more done with slightly longer meetings and scheduled breaks. If we're going to be all-virtual and spread our work over several weeks, let's take advantage of the time we have.	4/30/2020 2:21 PM
159	The virtual interim that I participated in was already scheduled as a virtual meeting regardless of IETF107 because it was designed to pull in participants from another group who don't travel to IETF. I haven't done virtual interims (yet) for the sessions I had planned to have at IETF107.	4/30/2020 12:01 PM

160	The meeting was about as taxing as an in-person meeting, which was surprising. It was far less effective because the number of side-meetings were greatly reduced (I think I had 1). The virtual interims were terrible. The natural tendency of groups is to pick times that are maximally inconvenient for people outside of the US/EU timezones, so I decided to miss all but a couple. These were at awful hours and consequently ruined that week for me.	4/30/2020 12:01 PM
161	I think the online meeting might be better for getting actual work done. I am sure it's worse for socializing, hallway track, touristing.	4/30/2020 11:30 AM
162	Replacing IETF 107 with weeks and weeks of scattered virtual interims is far more disruptive to my schedule than a single, concentrated IETF meeting. I find the whole thing rather annoying because the virtual interims play out like poorly organized in-person sessions. Except that they are held several weeks in a row for most WGs in which I've participated.	4/30/2020 11:21 AM
163	The problems associated to virtual meetings are: * the time zone: we cannot do much about it. * the tools - webex, calendars - It works, but I think that something we can improve to be more user friendly as well as more reliable, maybe better fit our needs. The enormous advantage was that discussion were less passionate, people were making effort to get understood, people seemed more inclined to participate. My impression was that discussions were more constructive than when they happen during sessions. Another significant advantage is that it opens the meetings to people that do not normally go to the IETF. Overall I think that having one or two virtual IETF meetings per year in the future should be considered.	4/30/2020 11:19 AM
164	Some chairs were easily able to make the tools work. Others had a lot of trouble. We probably need more chair training on how to do things.	4/30/2020 11:17 AM
165	Please ensure that the iCal file includes the pointer to the webex - a few times I was scrambling to find it. Generally Etherpad as a bluesheet is not been working well for me.	4/30/2020 11:16 AM
166	I found keeping track of the virtual interims difficult. I think it would be better to schedule those in a manner similar as was done for the main week. If we plan ahead that way, it might work, since doing a solid IETF week online would be super challenging for the majoiryt	4/30/2020 11:11 AM
167	Spreading the virtual meetings after IETF 107 does not work. If we are virtual for 108, we should put all the WG meetings in a single week.	4/30/2020 11:07 AM
168	The predominant attendee timezone arithmetic are really not helpful for GMT+10 offset. It is probably an unavoidable burden. Goes to "greatest good" outcome	4/30/2020 11:05 AM
169	The IETF is still coming up to speed on what it takes to work effectively in a virtual setup.	4/30/2020 11:05 AM
170	Jabber is pretty hard to use.	4/30/2020 11:04 AM
171	There was little fun to be had. But attempting to fix that might just make it worse.	4/30/2020 11:03 AM
172	A solution for remote humming is needed urgently. Other than that, the virtual interim meetings I have attended work better than expected. I don't miss the physical meeting.	4/30/2020 11:02 AM
173	WebEx really doesn't work well for this; it doesn't integrate with our systems. Also, 90% of the utility of meetings is the face-to-face interactions, talking to people in the hallways and similar. No amount of hallway channels or virtual hangouts will cover this need - I cannot have breakfast with a screen.	4/30/2020 11:00 AM

Q11 If an in-person one-week IETF meeting needs to be cancelled then which of the following options do you prefer?

Answered: 509   Skipped: 67
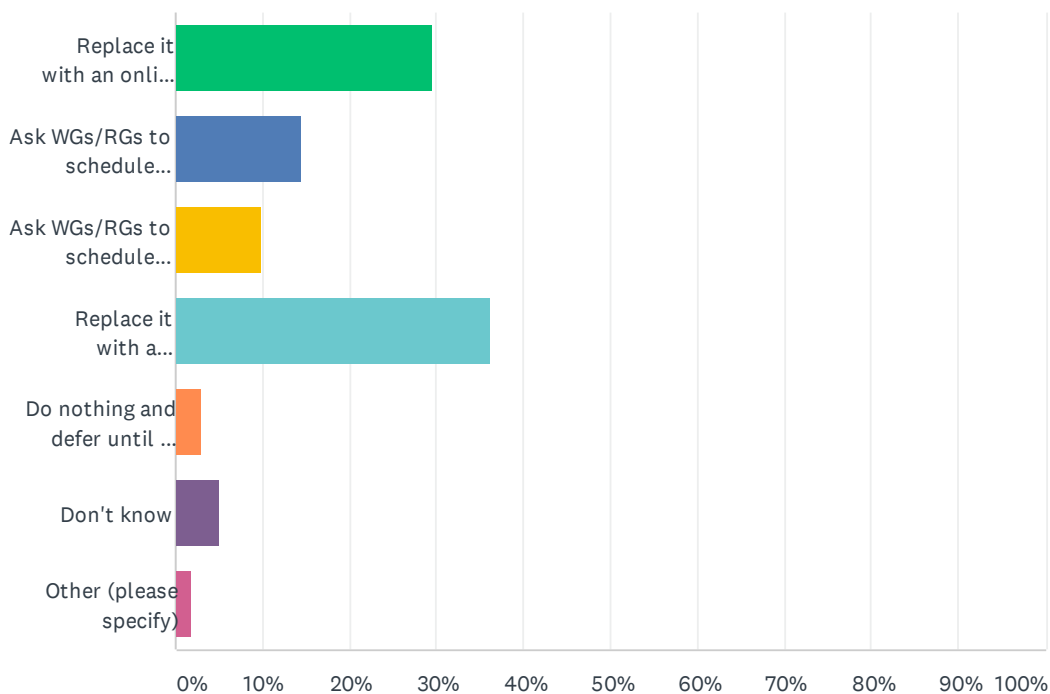
ANSWER CHOICES	RESPONSES	
Replace it with an online meeting with a set agenda (format to be decided)	29.47%	150
Ask WGs/RGs to schedule virtual interims when and how they want	14.54%	74
Ask WGs/RGs to schedule virtual interims following rules about when and how (rules to be decided)	9.82%	50
Replace it with a combination of an online meeting with a set agenda and virtual interims	36.15%	184
Do nothing and defer until the next in-person meeting	2.95%	15
Don't know	5.11%	26
Other (please specify)	1.96%	10
TOTAL		509

Planning for possible online IETF meetings

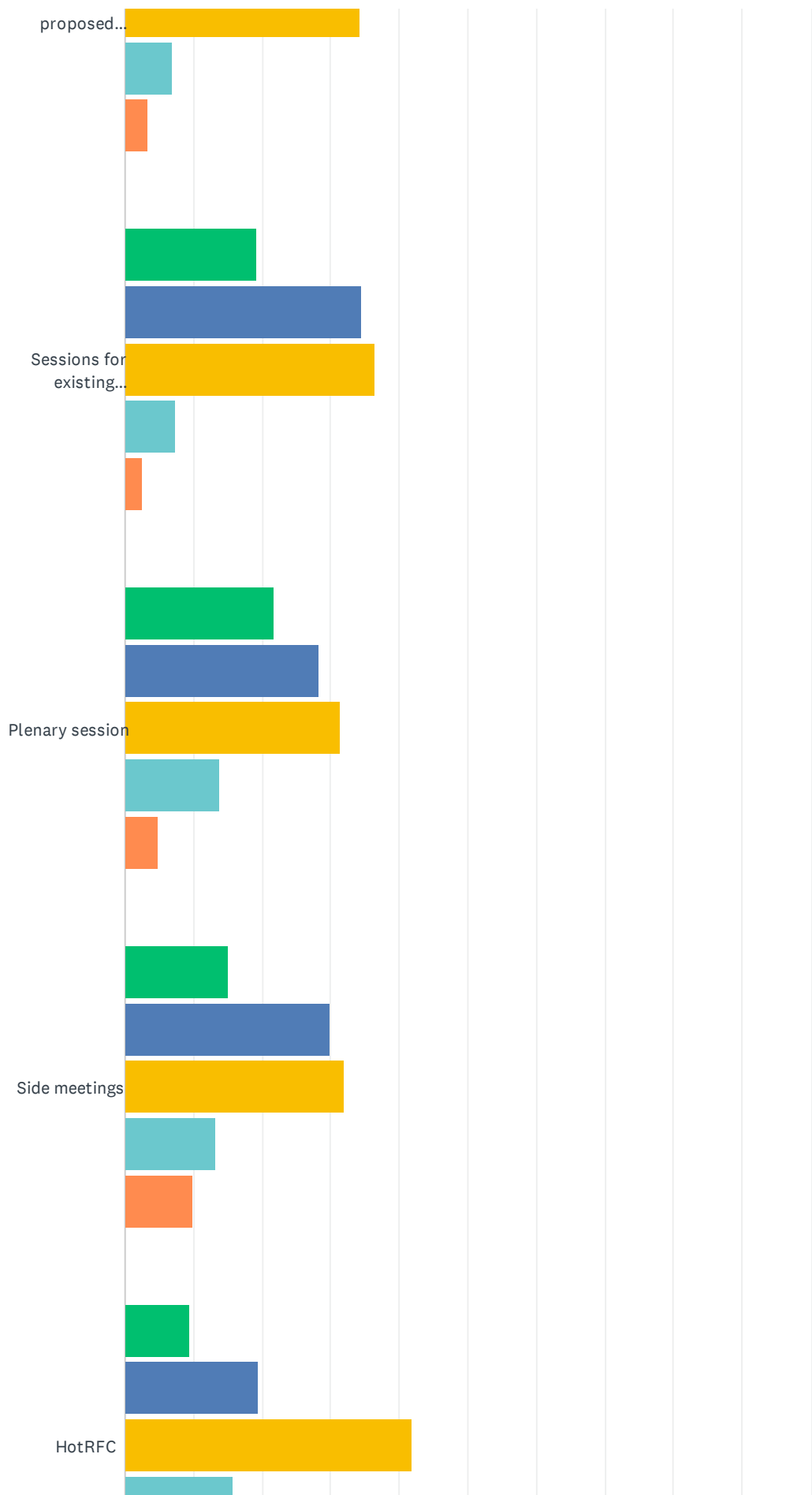| #	OTHER (PLEASE SPECIFY)	DATE
1	I think the answer for 107 (try to schedule WGs/RGs with some clustering but don't pressure people into a set schedule with conflicts) is about as well as we're going to do. It does seem important to make the plenary and other administrative transparency activities as widely available as possible (LLC board meetings, etc.) but the real problem is the number of WGs and the number of interrelationships/conflicts.	5/11/2020 1:05 AM
2	rolling focus groups rooting WGs and the chance to discuss over say a week as opposed to a day slot	5/6/2020 11:55 PM
3	Hold on-line meetings for the WGs and RGs that *really* have to meet and do nothing for the ones that don't.	5/6/2020 12:46 AM
4	Abandon all idea of scheduled meetings and transition to continuous, always-going, online format.	5/5/2020 1:00 PM
5	If you don't specify the rules, it's hard to vote for these options.	5/5/2020 8:37 AM
6	Expand the time allocated to the set agenda, but no more than 2 consecutive weeks. Allow working groups to set times within days.	5/5/2020 8:23 AM
7	interim meetings all through April was rough, specially with so many of them in EU schedule	5/1/2020 1:47 PM
8	I would welcome the WG/RG meetings to either be substantially spread out over time (but properly planned and announced with lots of warning) or grouped together like a full meeting but maybe spread out over more than four days (i.e., fewer than six streams) so that we have fewer conflicts in our personal agendas.	5/1/2020 9:06 AM
9	Both "Replace it..." and "Ask WGs/RGs to schedule virtual interims following rules ..."	4/30/2020 3:38 PM
10	Generally, we can do the online + virtuals for a while, but at some point we will bifurcate between those who go for the hallway talks and those that are WG focussed. In which case, virtual interims with perhaps a quarterly virtual plenary.	4/30/2020 11:20 AM

Q12 If an online IETF meeting is scheduled, then how important is it for each of the following to be included? (Skip any lines you don't know about)

Answered: 485   Skipped: 91
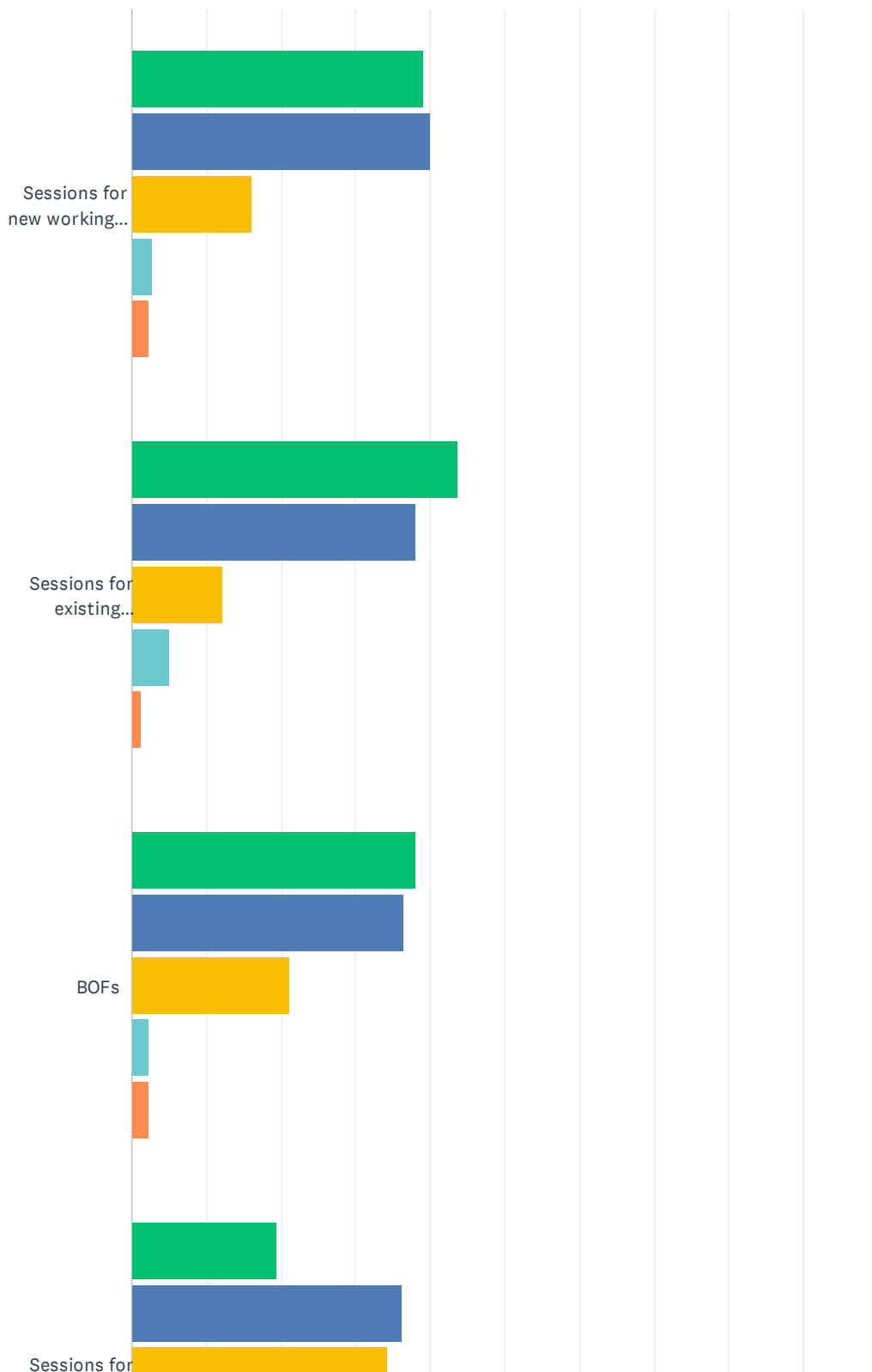
Planning for possible online IETF meetings

proposed...

Sessions for existing...

Plenary session

Side meetings

HotRFC

Planning for possible online IETF meetings

Hackathon

Codesprint

Technical tutorials

Newcomers' events...

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Office hours
(ADs, IANA, ...

Host Speaker
Series

Social event

Systers
Networking

Planning for possible online IETF meetings

Legend: 0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
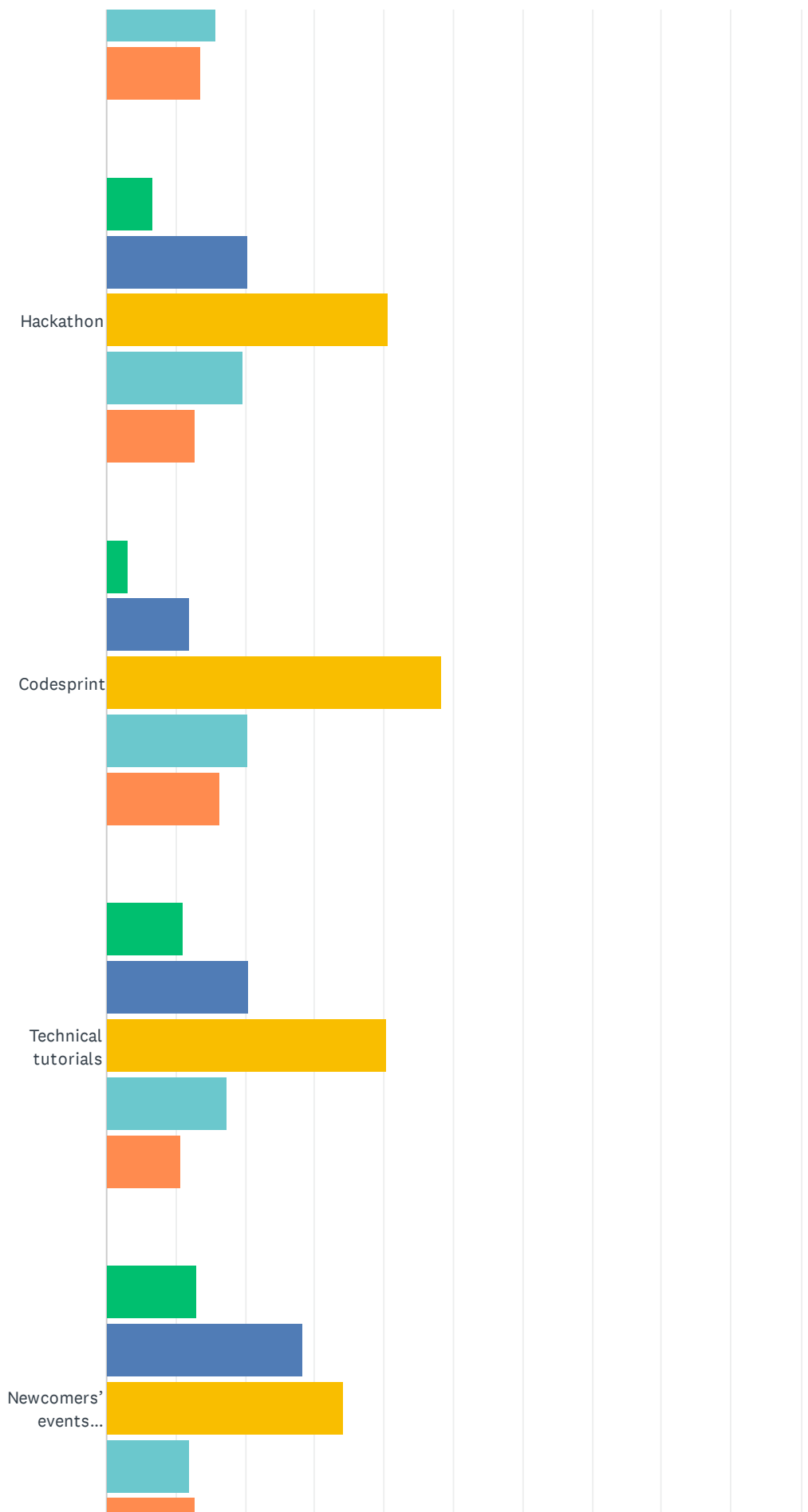
■ Very important ■ Important ■ Neutral ■ Not important
■ Not at all important
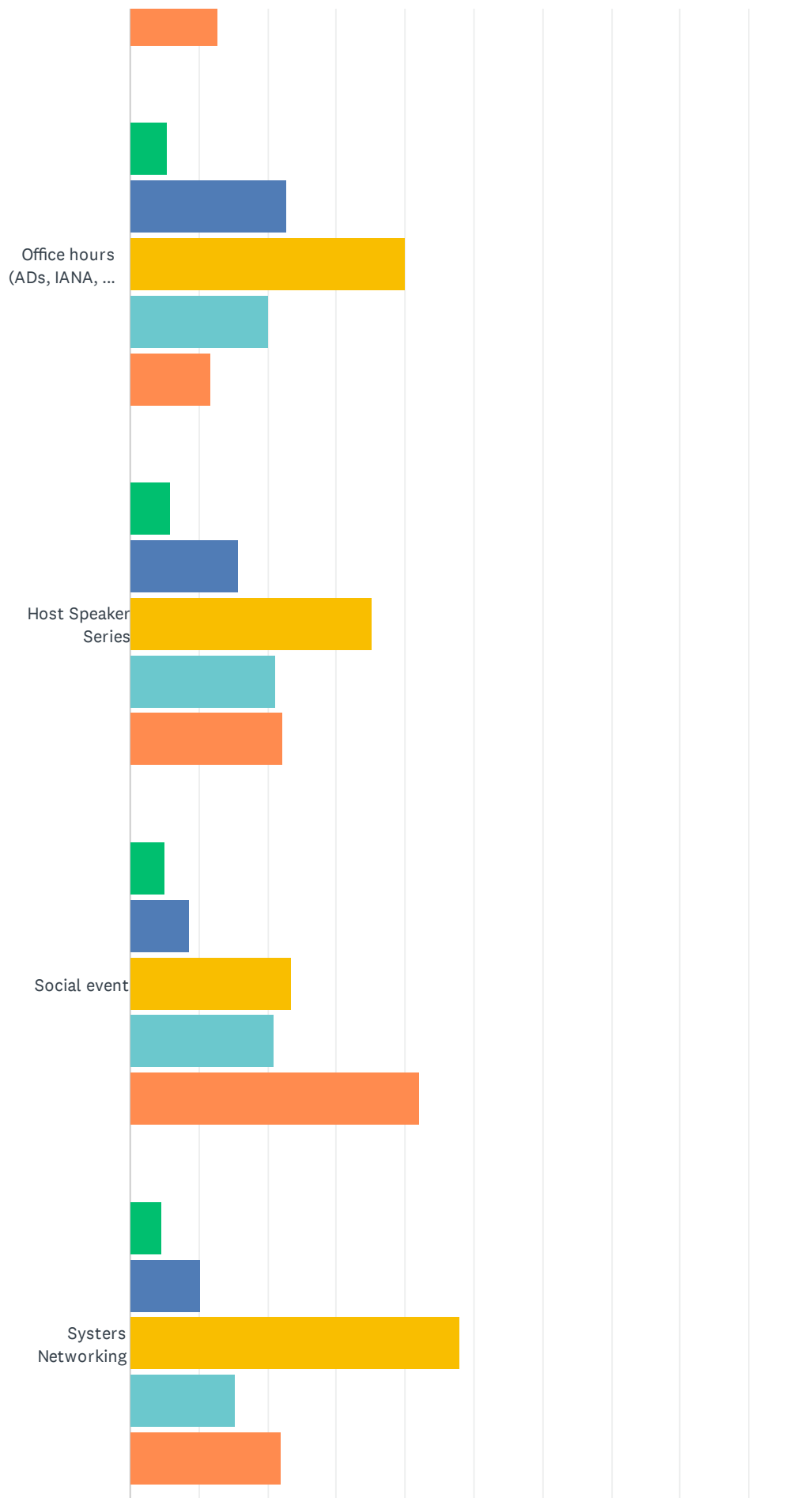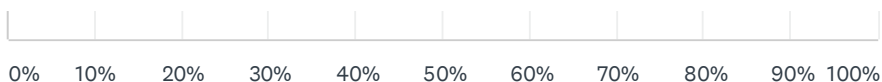
	VERY IMPORTANT	IMPORTANT	NEUTRAL	NOT IMPORTANT	NOT AT ALL IMPORTANT	TOTAL	WEIGHTED AVERAGE
Sessions for new working groups	39.02% 176	39.91% 180	16.19% 73	2.66% 12	2.22% 10	451	1.89
Sessions for existing working groups	43.66% 210	38.05% 183	12.06% 58	4.99% 24	1.25% 6	481	1.82
BOFs	38.12% 170	36.32% 162	21.08% 94	2.24% 10	2.24% 10	446	1.94
Sessions for proposed research groups	19.48% 83	36.15% 154	34.27% 146	6.81% 29	3.29% 14	426	2.38
Sessions for existing research groups	19.25% 82	34.51% 147	36.38% 155	7.28% 31	2.58% 11	426	2.39
Plenary session	21.81% 99	28.19% 128	31.28% 142	13.88% 63	4.85% 22	454	2.52
Side meetings	14.99% 64	29.98% 128	32.08% 137	13.11% 56	9.84% 42	427	2.73
HotRFC	9.49% 37	19.49% 76	41.79% 163	15.64% 61	13.59% 53	390	3.04
Hackathon	6.73% 27	20.20% 81	40.65% 163	19.70% 79	12.72% 51	401	3.11
Codesprint	3.20% 12	12.00% 45	48.27% 181	20.27% 76	16.27% 61	375	3.34
Technical tutorials	11.14% 45	20.54% 83	40.35% 163	17.33% 70	10.64% 43	404	2.96
Newcomers' events (overview tutorial, Quick Connections)	13.00% 52	28.25% 113	34.00% 136	12.00% 48	12.75% 51	400	2.83
Office hours (ADs, IANA, RFC Series PM, Exec Director, NomCom)	5.34% 21	22.90% 90	39.95% 157	20.10% 79	11.70% 46	393	3.10
Host Speaker Series	5.85% 23	15.78% 62	35.11% 138	21.12% 83	22.14% 87	393	3.38
Social event	4.99% 20	8.48% 34	23.44% 94	20.95% 84	42.14% 169	401	3.87
Systers Networking	4.68% 16	10.23% 35	47.95% 164	15.20% 52	21.93% 75	342	3.39

Q13 Is there anything else you would like to say about replacing a cancelled in-person meeting?

Answered: 99   Skipped: 477

Planning for possible online IETF meetings

#	RESPONSES	DATE
1	The survey has caused me to think hard about "what an IETF meeting is good for," and as a long-time participant, I think the bottom line is that it's helpful to our work to have a set of days when a bunch of people get together to do "IETF things". These activities might have nothing else in common than being "IETF things" that advance the mission of open standards to make the Internet work better, but the main value seems to be a chance for people to focus on the work they know they care about and maybe discover work they'll care about in the future.	5/11/2020 1:05 AM
2	no	5/10/2020 9:06 PM
3	This is an opportunity to get people who wouldn't normally attend to be involved. Hopefully the IETF can make the most of it.	5/10/2020 11:32 AM
4	I would be happy if a calculation of saved CO_2 vs. missed IETF income could be set up and presented	5/8/2020 9:22 PM
5	Possibility to do corridor meetings	5/7/2020 7:56 PM
6	This too shall pass.	5/7/2020 8:42 AM
7	Consider extending the meeting length to reduce conflicts. Ideally do not schedule overlapping sessions at all.	5/7/2020 6:16 AM
8	Expect cancelled in-person meetings to go on happening due to the current COVID-19 pandemic and future international disruptions - plan for better virtual meetings	5/7/2020 6:12 AM
9	Online meetings are not productive.	5/7/2020 5:25 AM
10	How about a "social Event" WG maybe together with an interesting Speaker (not necessarily a host speaker) or an online event to discuss about a related topic?	5/7/2020 2:02 AM
11	My overall opinions are (a) we don't know enough about COVID-19 long term management to make long-term plans about IETF (b) online techniques DO NOT replace in-person meetings except for very small groups.	5/7/2020 2:00 AM
12	NA	5/7/2020 1:51 AM
13	Side jabbers for equiv to private hall talk.	5/7/2020 1:15 AM
14	Area meetings are important to see an overview of what is happening	5/7/2020 12:31 AM
15	Slack is a poor replacement and has privacy issues - agendas abound and the development of standards is now recognised as a thing by Ian Levey NCSC (UK NSA) which is essential for the new world post covid19	5/6/2020 11:55 PM
16	Sessions that can be prerecorded, like tutorials should be and made available to watch at any time. Interview style is easier for someone to watch and pay attention than a straight session when watched on video (from online teaching experience) and should be edited to integrate the 2 speakers at different locations nicely. A question/answer session might be nice to hold, but not a remote presentation.	5/6/2020 11:52 PM
17	Make cancellation announcements as early as possible.	5/6/2020 10:12 PM
18	As you may know, (spontaneous) social interactions (incl. hallway conversations) can hardly be replaced by online tools. Personal interactions remain very important. The further away in the past the last personal meeting, the lower the productivity of the standardization process will be.	5/6/2020 7:13 PM
19	Following the physical meeting structure/scheduling as closely as possible would be the best for me.	5/6/2020 6:15 PM
20	forget about it and just let the WGs schedule meetings as they need.	5/6/2020 4:49 PM
21	make it virtual meeting, that can save time and money in travelling.	5/6/2020 3:22 PM
22	Please don't overly favour North American time zones. The pain of sleep deprivation MUST be shared	5/6/2020 12:11 PM
23	Not sure how to solve the timezone issue, I answered that I prefer the virtual week meeting, but maybe timezones are better handled at a WG level with interim.	5/6/2020 9:41 AM
24	that's sad	5/6/2020 7:27 AM

25	There are things that only make sense in person. Newcomer events, hackathon, social events, ... I put neutral but in fact i don t see how they could make sense in a virtual settings. For me the hackathon only already justify attending the meetings.	5/6/2020 6:33 AM
26	In another org I'm in, they've set up Slack for people to informally chat (already, 4 weeks before the next meeting was scheduled). This has so many advantages over jabber. I keep a Slack window open, and see which Slack channels have activity, and it's just in a browser window with no obscure jabber account needed. And people post pictures of their dogs and freshly baked bread. So much better than the jabber hallway. That's the sort of social event I'd like to have.	5/6/2020 5:25 AM
27	Side meetings? Anyone can have a virtual side meeting anytime and with anyone without IETF involvement. The reason they exist in real IETF meetings is because the people are physically there, making it convenient. Social event:if people aren't physically present, it makes no sense.	5/6/2020 5:19 AM
28	We need to figure out how to "hum" in virtual working group meetings.	5/6/2020 4:50 AM
29	I think it's silly to try to replace all the f2f functions with virtual versions. There is value to f2f and that should be the goal. If it can't be done, replace it with the minimum (WG meetings) and hope we can go f2f next time.	5/6/2020 4:26 AM
30	The problem with online-only meetings is that my boss still expects me to work full days, even when the sessions are at 4 am. That makes it very difficult to have time for casual side-meetings. It's also very hard to know who is "around" and how to contact them in the current format. I wonder if there is a way to book "casual networking time" through the week, and an instant messenger tool that lets you see who is "around" and open a private conversation. Maybe the current tools already do this and there just hasn't been enough education about how to use them?	5/6/2020 4:14 AM
31	While we may receive regular news on virtual interims for the WGs that we are part of, the main IETF meetings serve as a basis for catching up on what other WGs are doing, and as such it helpful that those are not left to individual chairs to schedule (and therefore unknown to those not tracking every WG).	5/6/2020 4:05 AM
32	It is important to keep the ball rolling, so we need to find alternatives ways of moving ahead. I am torn between having a dedicated week where you put yourself virtually into a different timezone and focus just on the IETF (virtually traveling) as this may also bring conflicts and spreading this out across weeks during which you screw late evenings and/or early mornings. Tentatively preferring a single week, possibly two.	5/6/2020 3:53 AM
33	My sympathies go to all who are involved. This is not easy.	5/6/2020 3:33 AM
34	The pace of the in-person meeting might be difficult to sustain for on-line. Sitting at home has a lot of distractions and duties. It might be better to stretch the schedule out with fewer sessions per day.	5/6/2020 3:33 AM
35	is social event even possible? There are obviously time-zone constraints to be resolved. It may require making recordings available sooner. And may be split in 2 shorter sessions addressing east and west time convenience	5/6/2020 3:21 AM
36	No thanks.	5/6/2020 3:16 AM
37	I understand that keeping the same Schedule as the original one (spanning all day local time) in one week with people all over the world with their own timezones (asia-america-europe) is IMPOSSIBLE. I can ask my company to block a whole week, that is no problem, but if I need to be e.g. with +9 hour difference… that's hard to keep at home... One meeting in particular... ok, a full week… complex. But, in order to keep the full IETF meeting usefulness, I think it is better to organize it a full week, with all its complexity, and you Will ensure a wide attendance. And keep a virtual corridor were people can request a chat to video talk, something like you receive requests, you can see who is talking and ask to join… That side meeting part is great, don't loose it	5/6/2020 3:04 AM
38	Even if a F2F is held there must be an online option (for a while anyway) as many members are in the over 60 age category and at greater risk related to CV19.	5/6/2020 2:48 AM
39	Having interim meetings only allows me to follow meetings that often happen in parallel at an in-person meeting. Single-session conference are always better.	5/6/2020 2:46 AM

40	I would love to see HotRFC	5/6/2020 2:45 AM
41	I would prefer postponing the meeting to another in-person meeting.	5/6/2020 2:43 AM
42	It would actually be easier for me to participate in online and virtual meetings.	5/6/2020 2:35 AM
43	Use Meetecho, not Webex!	5/6/2020 2:34 AM
44	Attempting to replicate the experience, pace, and process of an in-person meeting is a futile exercise, in my view. We should continue to experiment with what is least bad until we either adapt or change our processes and/or goals.	5/6/2020 2:06 AM
45	The main thing we lose in not having an in-person meeting is the time spent for face to face discussions during side meetings, breaks, lunch, dinners.	5/6/2020 1:58 AM
46	It could be nice to have other options to participate. Like, a collaborative document where multiple inputs may apply at the same time. I am thinking in something related with NetMundial or maybe IGF High Panel on Digital Cooperation examples, where paragraphs and comments could lead to sub-comments of anyone in the world with an opinion. For example, you can mention a particular paragraph from a mailing list email.	5/6/2020 1:06 AM
47	Get co-chairs better prepared for handling on-line sessions. Too many acted like they were running physical meetings.	5/6/2020 12:46 AM
48	Not sure if the question on the previous page ("Did you participate in the one-week online IETF 107 meeting ...") was worded precisely. I was *intending* to attend that meeting and would have hoped for a fixed schedule but I did end up *not* attending as, after the meeting had been stripped down, only one interesting event was left and I had another important appointment during that event.	5/6/2020 12:40 AM
49	Hallway track: I've seen people try to us VR spaces to reproduce the dynamics and its worked ok.	5/6/2020 12:12 AM
50	In the list above, you ask how important is it to include certain activities. I think there is another dimension. How important is it to include the activity in the context of the IETF meeting. Hackathons for example don't need to be included in a virtual meeting week, but could perhaps be held as a stand alone activity at a different time. Several of these fall into this category. They aren't important (top priority) to be included in a virtual event, but they need to be rethought in the context of how best to achieve the objectives of that activity in the current environment.	5/6/2020 12:06 AM
51	All events that don't envisage live interaction (e.g., Host Speaker Series, tutorials, hotrfc) should be done asynchronously. E.g., via videos posted on the IETF YouTube channel that people can watch when they're comfortable.	5/5/2020 8:59 PM
52	An in-person meeting allows one to multi-task between session and side meetings. It is much harder to do this as 'finding' a good place for a side discussion can be hard.	5/5/2020 5:41 PM
53	Replace all in-person meetings with always-going online cooperation with no set schedules.	5/5/2020 1:00 PM
54	While I marked the social event as "important", I don't know how to accomplish that virtually.	5/5/2020 8:39 AM
55	We are attempting to replace an in-person meeting, where we try to do the work of 4 months of e-mail in 2 hours and side meetings. It usually just means more e-mail to coordinate, re-schedule, etc. for lower impact.	5/5/2020 8:23 AM
56	For meetings which do not match the timezone that I am in, having everything packed into a single week makes it far more convient	5/5/2020 7:32 AM
57	Just try to keep the comms and meeting setup as simple and easy to use as possible.	5/5/2020 6:51 AM
58	I think that we do need to figure out a replacement for humms.	5/5/2020 4:29 AM
59	the big aspect that is missing with on-line or virtual meeting wrt an in-person meeting is the off-line (side) meeting , dealing with specific technical subject. If it would be possible to add session also for those that would be very beneficial.	5/5/2020 2:57 AM
60	The one thing I really miss is spontaneously meeting new people. Honestly, if we're going to do this in the long term (which I think would be good, and democratizing), I think we need to institute something like chatroulette, particularly to help newcomers, and to keep things interesting. Let people mark themselves as free-but-in-front-of-their-computer for whatever	5/5/2020 2:39 AM

	hours during the meeting work for them, and then randomly match them up in one-on-one video chats.	
61	I've been surprised by how much harder it is to get things done remotely..	5/5/2020 1:51 AM
62	I believe that the whole IETF work can be entirely done on-line as long as you have people willing to work in order to make the internet work better	5/5/2020 12:12 AM
63	We need hallways and bars. We need to make sure that meetings do not compromise the privacy of attendees via either spyware installed on our devices or via tracking cookies.	5/5/2020 12:11 AM
64	some of the meetings above could be (partially) replaced by recorded video. IMO we should investigate the applicability of pre-recorded presentations for different meeting types to reduce the load and timezone problems. Sometimes, a mix of prerecorded videos and interactive discussion could be useful. Probably not for regular WG and RG meetings that might really need lots of interactivity.	5/4/2020 10:30 PM
65	Some of the side events like tutorials an orientation could be outside the main block. What is important is that we restore focus and energy	5/4/2020 7:38 PM
66	really active mike needs in person. This is why new stuff (new WG, RG, BoF) is really hard to replace with virtual.	5/4/2020 7:26 PM
67	For me, an appropriate virtual meeting tool is the most important.	5/4/2020 7:13 PM
68	Please rethink the virtual hallway (see above feedback on IETF 107).	5/4/2020 11:04 AM
69	good set of questions above.	5/3/2020 3:50 AM
70	Is "Replace it with a combination of an online meeting with a set agenda and virtual interims" what we did with IETF 107? That was my best guess, so I picked it, but I wasn't super clear on the differences between the choices ...	5/2/2020 6:37 AM
71	would be nice to get the recordings a bit quicker, since many sessions are missed due to time-zone conflicts	5/1/2020 1:47 PM
72	Can we have virtual corridors?	5/1/2020 9:06 AM
73	Focus of virtual WG/RG meetings ought to be on making decisions which enable forward progress per the WG/RG charter. Presentations which are not in any critical path for a chartered WG/RG work item ought to be omitted or otherwise strongly de-prioritized.	5/1/2020 5:35 AM
74	I believe that having a scheduled online meeting is most likely to get appropriate attention, but I believe it will need to stretch across at least two weeks. The pace of an in-person IETF meeting is not really sustainable without the energy of interaction.	5/1/2020 3:11 AM
75	Cut the fees .... way down!!! Run some sessions multiple times to accommodate various timezones.	5/1/2020 3:03 AM
76	Most of these things can be done asynchronously. The async discussions can be done on mailing lists. The async presentations can be videos.	5/1/2020 3:00 AM
77	For my working group (v6ops), we replaced the meeting with and email discussion that had already been planned. That worked reasonably well.	5/1/2020 2:40 AM
78	Not clear why the replacement approach has to be confined to a single week. Meetings could be spread over a monthlong period, and rotated among timeslots to accomodate different timezones (randomly, for fairness).	5/1/2020 2:37 AM
79	Keep the agenda times as they would be at the physical location. Instead of a "jet lag" you just live in a different time zone at home (but sleep in a good bed :-)	5/1/2020 12:15 AM
80	I think replacing a physical meeting with a virtual one with a set agenda is a terrible idea. Let each meeting type (and meeting) do what will work best for them.	4/30/2020 10:33 PM
81	Keeping up the social interactions is really important for IETF, particularly for newcomers.	4/30/2020 8:59 PM
82	Sooner the better, it helps with travel plans, cancellations etc.	4/30/2020 6:59 PM
83	I rated the importance of attending meeting types. However, some will simply not work fine. Ex: side meetings online don't work.	4/30/2020 6:58 PM

84	I ticked "Neutral" for some things that are not at all important to me, but I recognize might be important to others even if I don't understand the importance.	4/30/2020 4:45 PM
85	We probably need to work on the side meeting concept. In a physical meeting they make sense because everybody is there. In an online meeting, it may be helpful to declutter the agenda of them, but it is also useful to have the temporal relationship (to feed into/feed from) to the official work.	4/30/2020 4:34 PM
86	So much of the value of the in-person meeting is the hallway conversations and the opportunities to meet with others in small settings. You can't really replace that online (at least with anything I've seen).	4/30/2020 3:06 PM
87	Much of the value in an in-person meeting component like HotRFC is the ability to spark conversations and follow-ups with the presenter. If we're virtual anyway, this could instead be accomplished by a dedicated YouTube channel of talks which can spark follow-up conversations.	4/30/2020 2:23 PM
88	I find the forcing function and the networking to be key things. Some kind of not "social event" but pushing people into something like zoom breakout rooms to chat would be great - but then it's also really not the same experience to be in a video chat on your own couch as to be in a room where there's people to chat to and no other distractions. I have no good answers here, but in person really is the gold standard and trying to substitute it and not change anything else isn't very valuable. I have to say I've been disappointed at how many people skip the plenary at the in-person meetings. It's the "all hands" at which you try to align a group of people, and I'm not sure how effective the plenary sessions I've attended have been at that - but I do think it's a key thing that you want out of a synchronising meeting. Obviously we're not trying to get people to agree on everything at such a meeting - but reminding people of the things that we do agree on is valuable.	4/30/2020 12:15 PM
89	hallway@jabber.ietf.org should be more sophisticated. I'm not saying hallway is useless, but I'd like to have more systematic and casual conversation mechanisms between participants.	4/30/2020 12:04 PM
90	There is no substitute for in-person time. However, the work continues and the virtual meetings have been very useful.	4/30/2020 12:03 PM
91	The only reason I said that the plenary was important is it currently appears to be required for some formal nomcom-type reasons. Otherwise I would rank it not important.	4/30/2020 11:59 AM
92	It is correct that due to time zone issues a virtual meeting should be shorter in term of session. One take make the effort to stay late / wake up earlier.... but it comes with potential issues as well. I found the choice of having BOF and plenary for the virtual meeting very good. I am not sure I would look for more hours. Again the main problem we need to deal with is the time zone.	4/30/2020 11:25 AM
93	Codesprint, tutorials and Newcomers events are important to others - my rating reflects importance to me.	4/30/2020 11:20 AM
94	While I indicated that WGs should schedule the interims, there should be pressure to hold interims close to the time for the meeting, to create the useful deadlines and momentum.	4/30/2020 11:19 AM
95	Run the meeting in the time zone for the region it was originally scheduled in.	4/30/2020 11:09 AM
96	given intent to do physicals in 3 geographic areas, is there an intent to do virtuals in 3 geographic timezone 'centroids' or are we stuck with the same timezone weighted by attendee preference?	4/30/2020 11:07 AM
97	I think it's about time we stopped flying to all our meetings.	4/30/2020 11:06 AM
98	An attempted social event would just be painful. IMO, don't bother.	4/30/2020 11:04 AM
99	Things like office-hours can be scheduled with the IESG person directly. An online social event sounds stupid.	4/30/2020 11:02 AM

Q14 What time zone are you based in? (Select the one closest by time if your time zone is not listed)

Answered: 472   Skipped: 104

UTC+14:00
Line Islands...

UTC+14:00
Tonga Summer...

UTC+13:45
Chatham Isla...

UTC+13:00
West Samoa Time

UTC+13:00
Phoenix Isla...

UTC+13:00
Tonga Time

UTC+13:00 New
Zealand...

UTC+13:00
Tokelau Time

UTC+13:00
Fiji Summer...

UTC+12:45
Chatham Isla...

UTC+12:00
Nauru Time

UTC+12:00
Marshall...

UTC+12:00
Anadyr Summe...

UTC+12:00
Magadan Summ...

UTC+12:00
Tuvalu Time

UTC+12:00
Gilbert Isla...

UTC+12:00
Anadyr Time

UTC+12:00
Norfolk...

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UTC+12:00 New
Zealand...

UTC+12:00
Fiji Time

UTC+12:00
Kamchatka Time

UTC+12:00
Wallis and...

UTC+12:00
Kamchatka...

UTC+12:00
Wake Time

UTC+11:00
Kosrae Time

UTC+11:00 New
Caledonia Time

UTC+11:00
Pohnpei...

UTC+11:00
Australian...

UTC+11:00
Bougainville...

UTC+11:00
Srednekolyms...

UTC+11:00
Norfolk Time

UTC+11:00
Sakhalin Time

UTC+11:00
Magadan Time

UTC+11:00
Solomon Isla...

UTC+11:00
Vladivostok...

UTC+11:00
Lord Howe...

UTC+11:00
Vanuatu Time

UTC+10:30
Lord Howe...

UTC+10:30
Australian...

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- UTC+10:00 Australian...
- UTC+10:00 Yakutsk Summ...
- UTC+10:00 Vladivostok...
- UTC+10:00 Chuuk Time
- UTC+10:00 Yap Time
- UTC+10:00 Chamorro...
- UTC+10:00 Dumont-d'Urv...
- UTC+10:00 Papua New...
- UTC+09:30 Australian...
- UTC+09:00 Yakutsk Time
- UTC+09:00 Palau Time
- UTC+09:00 Japan Standa...
- UTC+09:00 Korea Standa...
- UTC+09:00 Ulaanbaatar...
- UTC+09:00 Irkutsk Summ...
- UTC+09:00 Choibalsan...
- UTC+09:00 Australian...
- UTC+09:00 Eastern...
- UTC+09:00 East Timor Time
- UTC+08:45 Australian...
- UTC+08:30

Planning for possible online IETF meetings

Pyongyang Time

UTC+08:00
Irkutsk Time

UTC+08:00
Malaysia Time

UTC+08:00
Hovd Summer...

UTC+08:00
Hong Kong Time

UTC+08:00
Philippine Time

UTC+08:00
Choibalsan Time

UTC+08:00
Casey Time

UTC+08:00
China Standa...

UTC+08:00
Brunei...

UTC+08:00
Krasnoyarsk...

UTC+08:00
Ulaanbaatar...

UTC+08:00
Australian...

UTC+08:00
Central...

UTC+08:00
Singapore Time

UTC+07:00
Krasnoyarsk...

UTC+07:00
Western...

UTC+07:00
Indochina Time

UTC+07:00
Hovd Time

UTC+07:00
Davis Time

UTC+07:00
Novosibirsk...

Planning for possible online IETF meetings

UTC+07:00
Christmas...

UTC+07:00
Omsk Summer...

UTC+07:00
Novosibirsk...

UTC+06:30
Myanmar Time

UTC+06:30
Cocos Island...

UTC+06:00
Bangladesh...

UTC+06:00
Omsk Standar...

UTC+06:00
Vostok Time

UTC+06:00
Bhutan Time

UTC+06:00
Alma-Ata Time

UTC+06:00
Qyzylorda Time

UTC+06:00
Kyrgyzstan Time

UTC+06:00
Yekaterinbur...

UTC+06:00
Indian Chago...

UTC+05:45
Nepal Time

UTC+05:30
India Standa...

UTC+05:00
Pakistan...

UTC+05:00
French South...

UTC+05:00
Tajikistan Time

UTC+05:00
Maldives Time

UTC+05:00
Mawson Time

Planning for possible online IETF meetings

UTC+05:00
Turkmenistan...

UTC+05:00
Oral Time

UTC+05:00
Uzbekistan Time

UTC+05:00
Yekaterinbur...

UTC+05:00
Azerbaijan...

UTC+05:00
Aqtobe Time

UTC+05:00
Armenia Summ...

UTC+04:30
Afghanistan...

UTC+04:30
Iran Dayligh...

UTC+04:00
Moscow Dayli...

UTC+04:00
Seychelles Time

UTC+04:00
Mauritius Time

UTC+04:00
Gulf Standar...

UTC+04:00
Georgia...

UTC+04:00
Samara Time

UTC+04:00
Reunion Time

UTC+04:00
Armenia Time

UTC+04:00
Kuybyshev Time

UTC+04:00
Arabia Dayli...

UTC+04:00
Azerbaijan Time

UTC+03:30
Iran Standar...

Planning for possible online IETF meetings

UTC+03:00
Iran Standard...

UTC+03:00
Further-East...

UTC+03:00
Eastern Afri...

UTC+03:00
Turkey Time

UTC+03:00
Israel Dayli...

UTC+03:00
Eastern...

UTC+03:00
Arabia Stand...

UTC+03:00
Syowa Time

UTC+03:00
Moscow Stand...

UTC+02:00
Central Afri...

UTC+02:00
Israel Stand...

UTC+02:00
Central...

UTC+02:00
West Africa...

UTC+02:00
Eastern...

UTC+02:00
South Africa...

UTC+01:00
Irish Standa...

UTC+01:00
West Africa...

UTC+01:00
Western Saha...

UTC+01:00
Western...

UTC+01:00
Central...

UTC+01:00
British Summ...

UTC+00:00

Planning for possible online IETF meetings

Coordinated...	
UTC+00:00 Eastern...	
UTC+00:00 Azores Summe...	
UTC+00:00 Western...	
UTC+00:00 Western Saha...	
UTC-01:00 Azores Time	
UTC-01:00 Cape Verde Time	
UTC-01:00 East Greenla...	
UTC-02:00 Uruguay Summ...	
UTC-02:00 Fernando de...	
UTC-02:00 South Georgi...	
UTC-02:00 Brazil Summe...	
UTC-02:00 Western...	
UTC-02:00 Pierre &...	
UTC-02:30 Newfoundland...	
UTC-03:00 Brazil Time	
UTC-03:00 Amazon Summe...	
UTC-03:00 West Greenla...	
UTC-03:00 Suriname Time	
UTC-03:00 Western...	
UTC-03:00 Argentina Time	

Planning for possible online IETF meetings

UTC-03:00 Atlantic...	
UTC-03:00 Paraguay Sum...	
UTC-03:00 Falkland...	
UTC-03:00 French Guian...	
UTC-03:00 Chile Summer...	
UTC-03:00 Pierre &...	
UTC-03:00 Uruguay Time	
UTC-03:00 Rothera Time	
UTC-03:30 Newfoundland...	
UTC-04:00 Eastern...	▉
UTC-04:00 Bolivia Time	
UTC-04:00 Venezuelan...	
UTC-04:00 Cayman Islan...	
UTC-04:00 Paraguay Time	
UTC-04:00 Guyana Time	
UTC-04:00 Amazon Time	
UTC-04:00 Atlantic...	
UTC-04:00 Falkland Isl...	
UTC-04:00 Chile Standa...	
UTC-04:00 Cuba Dayligh...	
UTC-05:00 Eastern...	▉

Planning for possible online IETF meetings

UTC-05:00
Colombia Time

UTC-05:00
Acre Time

UTC-05:00
Peru Time

UTC-05:00
Ecuador Time

UTC-05:00
Easter Islan...

UTC-05:00
Cuba Standar...

UTC-05:00
Cayman Islan...

UTC-05:00
Central...

UTC-06:00
Easter Islan...

UTC-06:00
Galapagos Time

UTC-06:00
Central...

UTC-06:00
Mountain...

UTC-07:00
Pacific...

UTC-07:00
Mountain...

UTC-08:00
Alaska Dayli...

UTC-08:00
Pacific...

UTC-08:00
Pitcairn...

UTC-09:00
Gambier Time

UTC-09:00
Hawaii-Aleut...

UTC-09:00
Alaska Stand...

UTC-09:30
Marquesas Time

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Marquesas Time

UTC-10:00
Cook Island...

UTC-10:00
Hawaii Stand...

UTC-10:00
Tahiti Time

UTC-11:00
Samoa Standa...

UTC-11:00
Niue Time

0%   10%   20%   30%   40%   50%   60%   70%   80%   90% 100%

Planning for possible online IETF meetings

ANSWER CHOICES	RESPONSES	
UTC+14:00 Line Islands Time	0.00%	0
UTC+14:00 Tonga Summer Time	0.00%	0
UTC+13:45 Chatham Island Daylight Time	0.00%	0
UTC+13:00 West Samoa Time	0.00%	0
UTC+13:00 Phoenix Island Time	0.00%	0
UTC+13:00 Tonga Time	0.21%	1
UTC+13:00 New Zealand Daylight Time	0.00%	0
UTC+13:00 Tokelau Time	0.00%	0
UTC+13:00 Fiji Summer Time	0.00%	0
UTC+12:45 Chatham Island Standard Time	0.00%	0
UTC+12:00 Nauru Time	0.00%	0
UTC+12:00 Marshall Islands Time	0.00%	0
UTC+12:00 Anadyr Summer Time	0.00%	0
UTC+12:00 Magadan Summer Time	0.00%	0
UTC+12:00 Tuvalu Time	0.00%	0
UTC+12:00 Gilbert Island Time	0.00%	0
UTC+12:00 Anadyr Time	0.21%	1
UTC+12:00 Norfolk Daylight Time	0.00%	0
UTC+12:00 New Zealand Standard Time	0.42%	2
UTC+12:00 Fiji Time	0.00%	0
UTC+12:00 Kamchatka Time	0.00%	0
UTC+12:00 Wallis and Futuna Time	0.00%	0
UTC+12:00 Kamchatka Summer Time	0.00%	0
UTC+12:00 Wake Time	0.00%	0
UTC+11:00 Kosrae Time	0.00%	0
UTC+11:00 New Caledonia Time	0.00%	0
UTC+11:00 Pohnpei Standard Time	0.00%	0
UTC+11:00 Australian Eastern Daylight Time	0.64%	3
UTC+11:00 Bougainville Standard Time	0.00%	0
UTC+11:00 Srednekolymsk Time	0.00%	0
UTC+11:00 Norfolk Time	0.00%	0
UTC+11:00 Sakhalin Time	0.00%	0

Planning for possible online IETF meetings

UTC+11:00 Magadan Time	0.00%	0
UTC+11:00 Solomon Islands Time	0.00%	0
UTC+11:00 Vladivostok Summer Time	0.00%	0
UTC+11:00 Lord Howe Daylight Time	0.00%	0
UTC+11:00 Vanuatu Time	0.00%	0
UTC+10:30 Lord Howe Standard Time	0.00%	0
UTC+10:30 Australian Central Daylight Time	0.00%	0
UTC+10:00 Australian Eastern Standard Time	2.12%	10
UTC+10:00 Yakutsk Summer Time	0.00%	0
UTC+10:00 Vladivostok Time	0.00%	0
UTC+10:00 Chuuk Time	0.00%	0
UTC+10:00 Yap Time	0.00%	0
UTC+10:00 Chamorro Standard Time	0.00%	0
UTC+10:00 Dumont-d'Urville Time	0.00%	0
UTC+10:00 Papua New Guinea Time	0.00%	0
UTC+09:30 Australian Central Standard Time	0.21%	1
UTC+09:00 Yakutsk Time	0.00%	0
UTC+09:00 Palau Time	0.00%	0
UTC+09:00 Japan Standard Time	1.27%	6
UTC+09:00 Korea Standard Time	0.42%	2
UTC+09:00 Ulaanbaatar Summer Time	0.00%	0
UTC+09:00 Irkutsk Summer Time	0.00%	0
UTC+09:00 Choibalsan Summer Time	0.00%	0
UTC+09:00 Australian Western Daylight Time	0.00%	0
UTC+09:00 Eastern Indonesian Time	0.00%	0
UTC+09:00 East Timor Time	0.00%	0
UTC+08:45 Australian Central Western Standard Time	0.00%	0
UTC+08:30 Pyongyang Time	0.00%	0
UTC+08:00 Irkutsk Time	0.00%	0
UTC+08:00 Malaysia Time	0.00%	0
UTC+08:00 Hovd Summer Time	0.00%	0
UTC+08:00 Hong Kong Time	0.21%	1
UTC+08:00 Philippine Time	0.00%	0

Planning for possible online IETF meetings

UTC+08:00 Choibalsan Time	0.00%	0
UTC+08:00 Casey Time	0.00%	0
UTC+08:00 China Standard Time	4.03%	19
UTC+08:00 Brunei Darussalam Time	0.00%	0
UTC+08:00 Krasnoyarsk Summer Time	0.00%	0
UTC+08:00 Ulaanbaatar Time	0.00%	0
UTC+08:00 Australian Western Standard Time	0.00%	0
UTC+08:00 Central Indonesian Time	0.00%	0
UTC+08:00 Singapore Time	0.42%	2
UTC+07:00 Krasnoyarsk Time	0.21%	1
UTC+07:00 Western Indonesian Time	0.00%	0
UTC+07:00 Indochina Time	0.21%	1
UTC+07:00 Hovd Time	0.00%	0
UTC+07:00 Davis Time	0.00%	0
UTC+07:00 Novosibirsk Summer Time	0.00%	0
UTC+07:00 Christmas Island Time	0.00%	0
UTC+07:00 Omsk Summer Time	0.00%	0
UTC+07:00 Novosibirsk Time	0.00%	0
UTC+06:30 Myanmar Time	0.00%	0
UTC+06:30 Cocos Islands Time	0.00%	0
UTC+06:00 Bangladesh Standard Time	0.00%	0
UTC+06:00 Omsk Standard Time	0.00%	0
UTC+06:00 Vostok Time	0.00%	0
UTC+06:00 Bhutan Time	0.00%	0
UTC+06:00 Alma-Ata Time	0.00%	0
UTC+06:00 Qyzylorda Time	0.00%	0
UTC+06:00 Kyrgyzstan Time	0.00%	0
UTC+06:00 Yekaterinburg Summer Time	0.00%	0
UTC+06:00 Indian Chagos Time	0.00%	0
UTC+05:45 Nepal Time	0.00%	0
UTC+05:30 India Standard Time	3.18%	15
UTC+05:00 Pakistan Standard Time	0.00%	0
UTC+05:00 French Southern and Antarctic Time	0.00%	0
UTC+05:00 Tajikistan Time	0.00%	0

Planning for possible online IETF meetings

UTC+05:00 Maldives Time	0.00%	0
UTC+05:00 Mawson Time	0.00%	0
UTC+05:00 Turkmenistan Time	0.00%	0
UTC+05:00 Oral Time	0.00%	0
UTC+05:00 Uzbekistan Time	0.00%	0
UTC+05:00 Yekaterinburg Time	0.21%	1
UTC+05:00 Azerbaijan Summer Time	0.00%	0
UTC+05:00 Aqtobe Time	0.00%	0
UTC+05:00 Armenia Summer Time	0.00%	0
UTC+04:30 Afghanistan Time	0.00%	0
UTC+04:30 Iran Daylight Time	0.00%	0
UTC+04:00 Moscow Daylight Time	0.21%	1
UTC+04:00 Seychelles Time	0.00%	0
UTC+04:00 Mauritius Time	0.42%	2
UTC+04:00 Gulf Standard Time	0.00%	0
UTC+04:00 Georgia Standard Time	0.00%	0
UTC+04:00 Samara Time	0.00%	0
UTC+04:00 Reunion Time	0.21%	1
UTC+04:00 Armenia Time	0.00%	0
UTC+04:00 Kuybyshev Time	0.00%	0
UTC+04:00 Arabia Daylight Time	0.00%	0
UTC+04:00 Azerbaijan Time	0.00%	0
UTC+03:30 Iran Standard Time	0.00%	0
UTC+03:00 Further-Eastern European Time	0.00%	0
UTC+03:00 Eastern Africa Time	0.21%	1
UTC+03:00 Turkey Time	0.00%	0
UTC+03:00 Israel Daylight Time	0.64%	3
UTC+03:00 Eastern European Summer Time	1.27%	6
UTC+03:00 Arabia Standard Time	0.00%	0
UTC+03:00 Syowa Time	0.00%	0
UTC+03:00 Moscow Standard Time	0.64%	3
UTC+02:00 Central Africa Time	0.21%	1
UTC+02:00 Israel Standard Time	0.42%	2

Planning for possible online IETF meetings

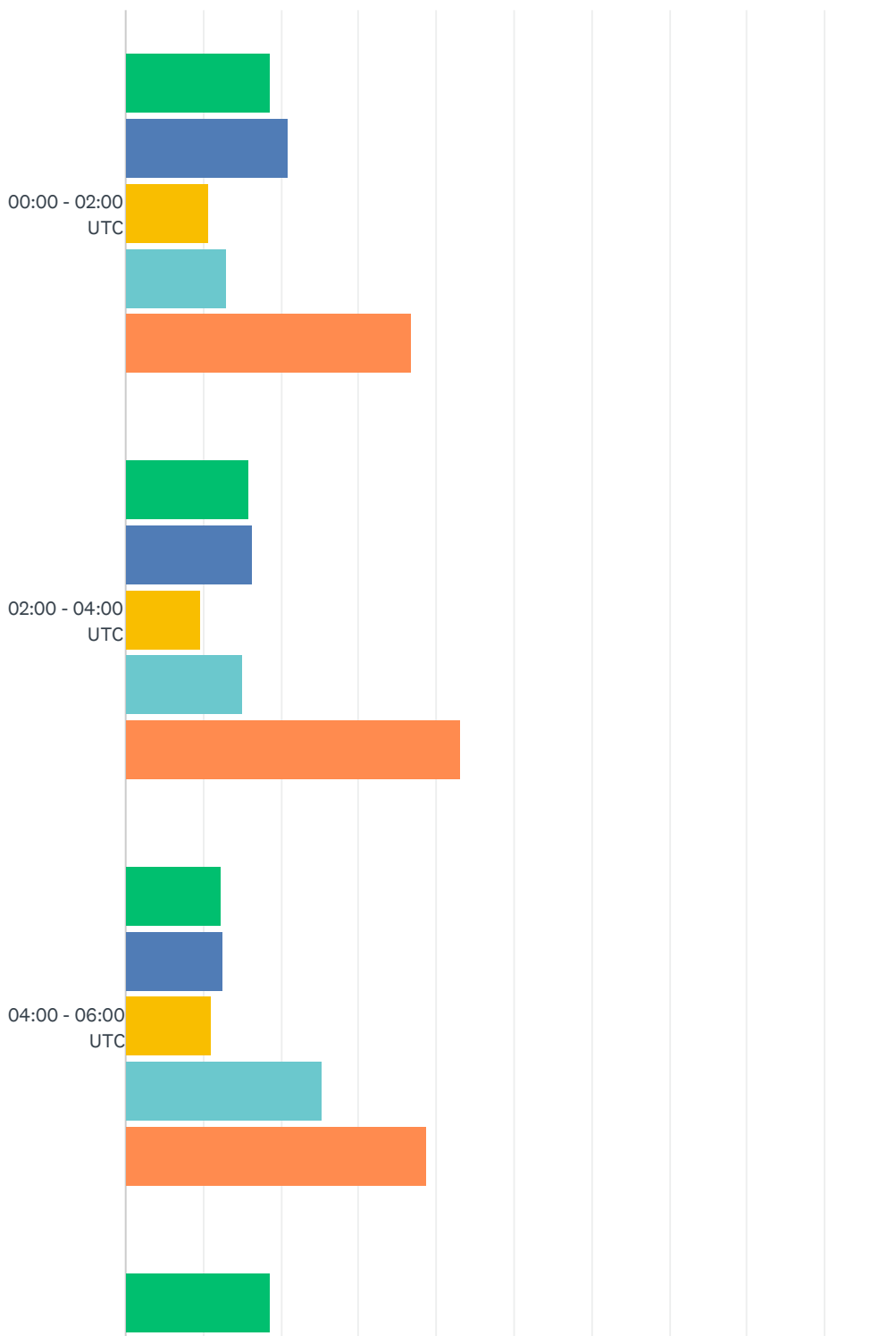|		
UTC+02:00 Central European Summer Time	11.44%	54
UTC+02:00 West Africa Summer Time	0.00%	0
UTC+02:00 Eastern European Time	1.91%	9
UTC+02:00 South Africa Standard Time	0.64%	3
UTC+01:00 Irish Standard Time	0.21%	1
UTC+01:00 West Africa Time	0.21%	1
UTC+01:00 Western Sahara Summer Time	0.00%	0
UTC+01:00 Western European Summer Time	2.97%	14
UTC+01:00 Central European Time	8.26%	39
UTC+01:00 British Summer Time	3.81%	18
UTC+00:00 Coordinated Universal Time	0.85%	4
UTC+00:00 Eastern Greenland Summer Time	0.00%	0
UTC+00:00 Azores Summer Time	0.00%	0
UTC+00:00 Western European Time	0.85%	4
UTC+00:00 Western Sahara Standard Time	0.00%	0
UTC-01:00 Azores Time	0.00%	0
UTC-01:00 Cape Verde Time	0.00%	0
UTC-01:00 East Greenland Time	0.00%	0
UTC-02:00 Uruguay Summer Time	0.00%	0
UTC-02:00 Fernando de Noronha Time	0.00%	0
UTC-02:00 South Georgia Time	0.00%	0
UTC-02:00 Brazil Summer Time	0.00%	0
UTC-02:00 Western Greenland Summer Time	0.00%	0
UTC-02:00 Pierre & Miquelon Daylight Time	0.00%	0
UTC-02:30 Newfoundland Daylight Time	0.00%	0
UTC-03:00 Brazil Time	0.42%	2
UTC-03:00 Amazon Summer Time	0.00%	0
UTC-03:00 West Greenland Time	0.00%	0
UTC-03:00 Suriname Time	0.00%	0
UTC-03:00 Western Argentine Summer Time	0.00%	0
UTC-03:00 Argentina Time	0.42%	2
UTC-03:00 Atlantic Daylight Time	0.00%	0
UTC-03:00 Paraguay Summer Time	0.00%	0

Planning for possible online IETF meetings

UTC-03:00 Falkland Islands Summer Time	0.00%	0
UTC-03:00 French Guiana Time	0.00%	0
UTC-03:00 Chile Summer Time	0.00%	0
UTC-03:00 Pierre & Miquelon Standard Time	0.00%	0
UTC-03:00 Uruguay Time	0.00%	0
UTC-03:00 Rothera Time	0.00%	0
UTC-03:30 Newfoundland Standard Time	0.00%	0
UTC-04:00 Eastern Daylight Time	12.92%	61
UTC-04:00 Bolivia Time	0.00%	0
UTC-04:00 Venezuelan Standard Time	0.00%	0
UTC-04:00 Cayman Islands Daylight Saving Time	0.00%	0
UTC-04:00 Paraguay Time	0.00%	0
UTC-04:00 Guyana Time	0.00%	0
UTC-04:00 Amazon Time	0.00%	0
UTC-04:00 Atlantic Standard Time	0.00%	0
UTC-04:00 Falkland Island Time	0.00%	0
UTC-04:00 Chile Standard Time	0.21%	1
UTC-04:00 Cuba Daylight Time	0.00%	0
UTC-05:00 Eastern Standard Time	13.98%	66
UTC-05:00 Colombia Time	0.00%	0
UTC-05:00 Acre Time	0.00%	0
UTC-05:00 Peru Time	0.00%	0
UTC-05:00 Ecuador Time	0.42%	2
UTC-05:00 Easter Island Summer Time	0.00%	0
UTC-05:00 Cuba Standard Time	0.00%	0
UTC-05:00 Cayman Islands Standard Time	0.21%	1
UTC-05:00 Central Daylight Time	2.97%	14
UTC-06:00 Easter Island Standard Time	0.00%	0
UTC-06:00 Galapagos Time	0.00%	0
UTC-06:00 Central Standard Time	1.91%	9
UTC-06:00 Mountain Daylight Time	1.06%	5
UTC-07:00 Pacific Daylight Time	9.75%	46
UTC-07:00 Mountain Standard Time	0.00%	0
UTC-08:00 Alaska Daylight Time	0.21%	1

UTC-08:00 Pacific Standard Time	6.14%	29
UTC-08:00 Pitcairn Standard Time	0.00%	0
UTC-09:00 Gambier Time	0.00%	0
UTC-09:00 Hawaii-Aleutian Daylight Time	0.00%	0
UTC-09:00 Alaska Standard Time	0.00%	0
UTC-09:30 Marquesas Time	0.00%	0
UTC-10:00 Cook Island Time	0.00%	0
UTC-10:00 Hawaii Standard Time	0.00%	0
UTC-10:00 Tahiti Time	0.00%	0
UTC-11:00 Samoa Standard Time	0.00%	0
UTC-11:00 Niue Time	0.00%	0
TOTAL		472

Q15 If the in-person IETF 108 Madrid meeting needs to be replaced with an online IETF meeting then how easy would you find it to participate during the following blocks of time? (Skip any you don't know about)TIP: Use this online conversion tool and add your nearest city to the list

Answered: 453   Skipped: 123

Planning for possible online IETF meetings
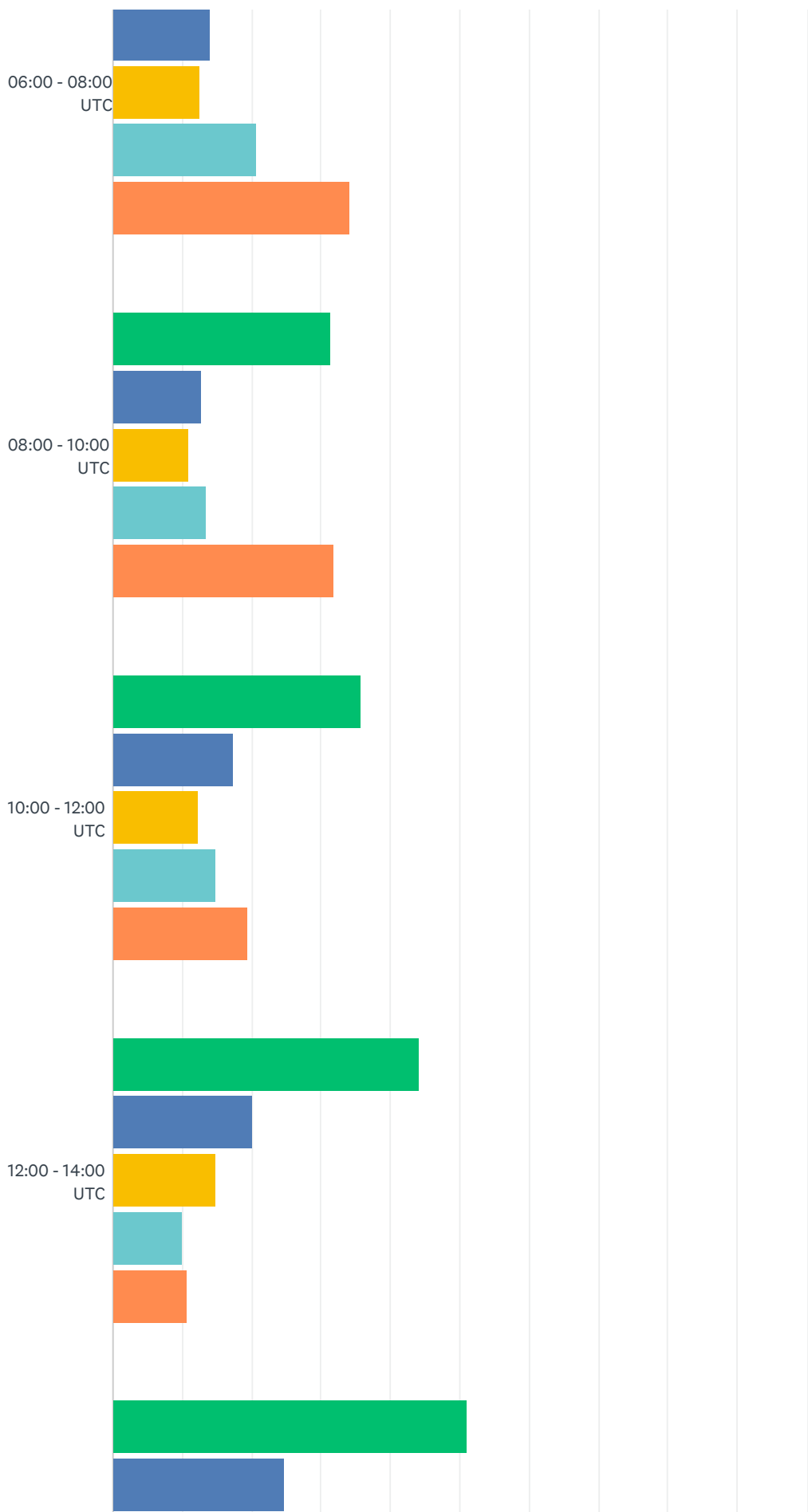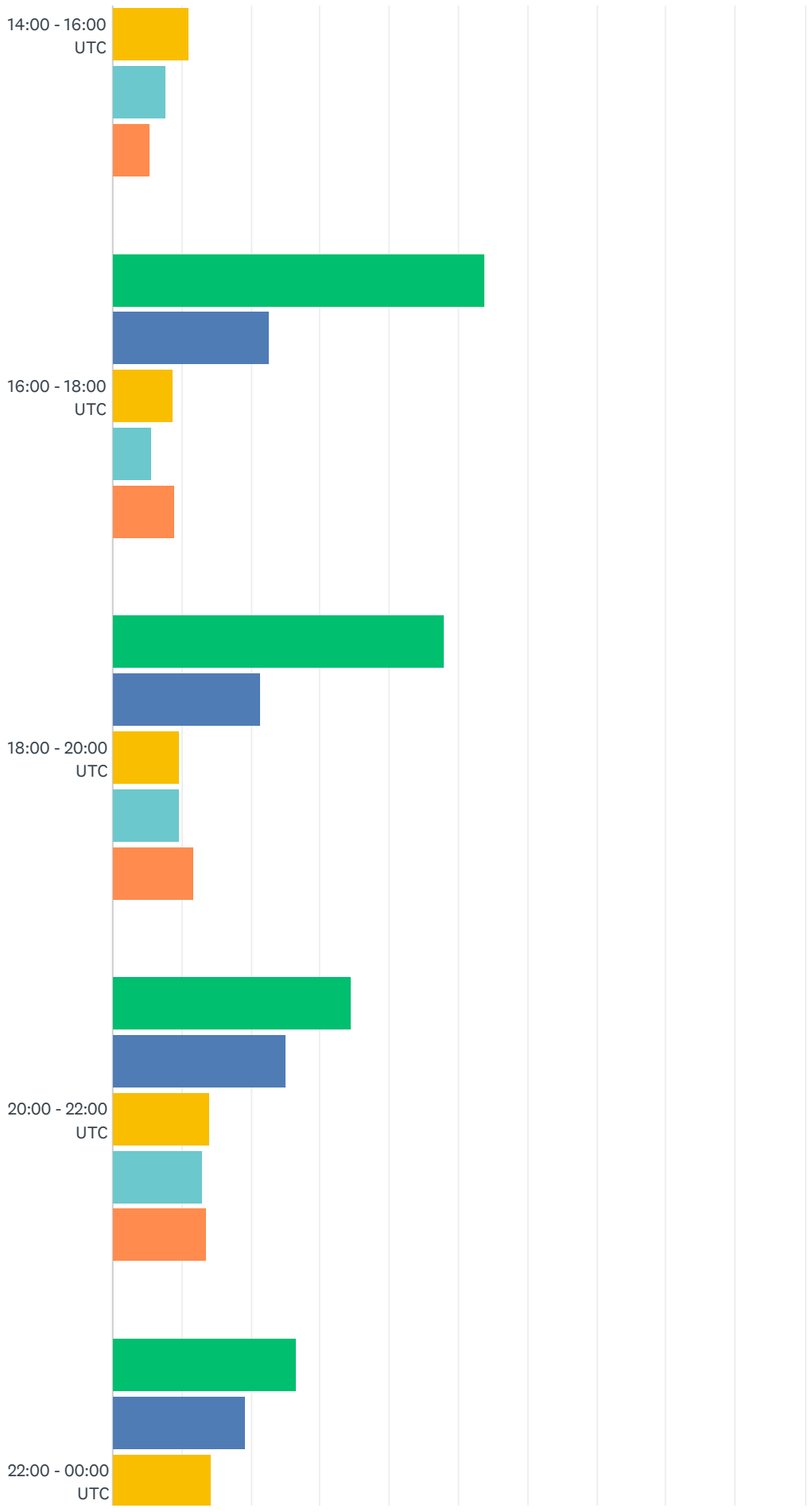
06:00 - 08:00 UTC

08:00 - 10:00 UTC

10:00 - 12:00 UTC

12:00 - 14:00 UTC

Planning for possible online IETF meetings

14:00 - 16:00
UTC

16:00 - 18:00
UTC

18:00 - 20:00
UTC

20:00 - 22:00
UTC

22:00 - 00:00
UTC

Planning for possible online IETF meetings
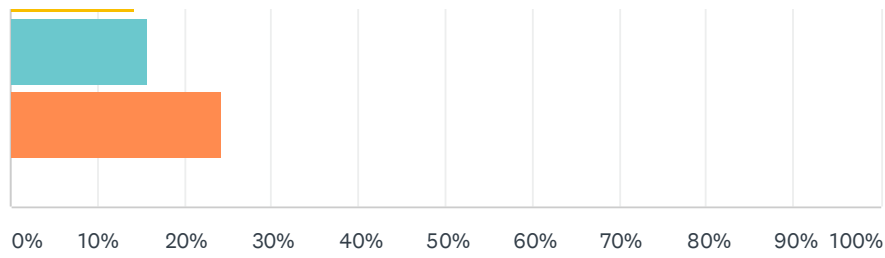
Legend: Very easy · Easy · Neutral · Difficult · Very difficult

	VERY EASY	EASY	NEUTRAL	DIFFICULT	VERY DIFFICULT	TOTAL	WEIGHTED AVERAGE
00:00 - 02:00 UTC	18.66% 81	20.97% 91	10.60% 46	12.90% 56	36.87% 160	434	3.28
02:00 - 04:00 UTC	15.90% 69	16.36% 71	9.68% 42	14.98% 65	43.09% 187	434	3.53
04:00 - 06:00 UTC	12.33% 53	12.56% 54	11.16% 48	25.35% 109	38.60% 166	430	3.65
06:00 - 08:00 UTC	18.62% 81	14.02% 61	12.64% 55	20.69% 90	34.02% 148	435	3.37
08:00 - 10:00 UTC	31.29% 138	12.70% 56	10.88% 48	13.38% 59	31.75% 140	441	3.02
10:00 - 12:00 UTC	35.75% 158	17.42% 77	12.44% 55	14.93% 66	19.46% 86	442	2.65
12:00 - 14:00 UTC	44.16% 193	20.14% 88	14.87% 65	10.07% 44	10.76% 47	437	2.23
14:00 - 16:00 UTC	51.13% 227	24.77% 110	11.04% 49	7.66% 34	5.41% 24	444	1.91
16:00 - 18:00 UTC	53.74% 237	22.68% 100	8.84% 39	5.67% 25	9.07% 40	441	1.94
18:00 - 20:00 UTC	47.84% 210	21.41% 94	9.57% 42	9.57% 42	11.62% 51	439	2.16
20:00 - 22:00 UTC	34.54% 153	25.06% 111	14.00% 62	12.87% 57	13.54% 60	443	2.46
22:00 - 00:00 UTC	26.54% 116	19.22% 84	14.19% 62	15.79% 69	24.26% 106	437	2.92

Q16 If in-person IETF meetings need to be replaced with online IETF meetings on a regular basis then what do you think of the following approaches for setting the timezone of the virtual IETF meeting? (Skip any you don't know about)

Answered: 455   Skipped: 121
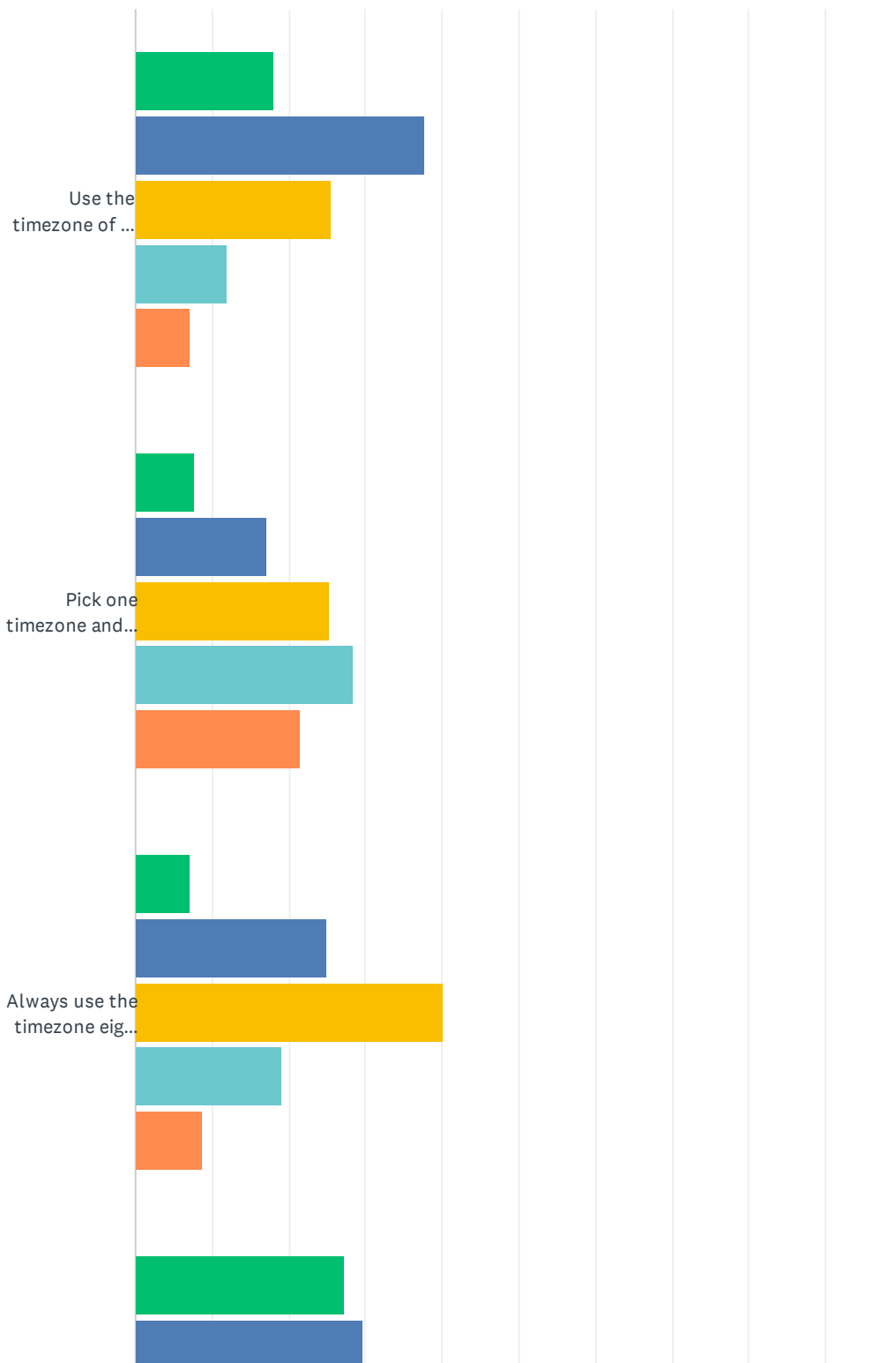
Planning for possible online IETF meetings

Legend: Strongly approve ▮ Approve ▮ Neutral ▮ Disapprove ▮ Strongly disapprove
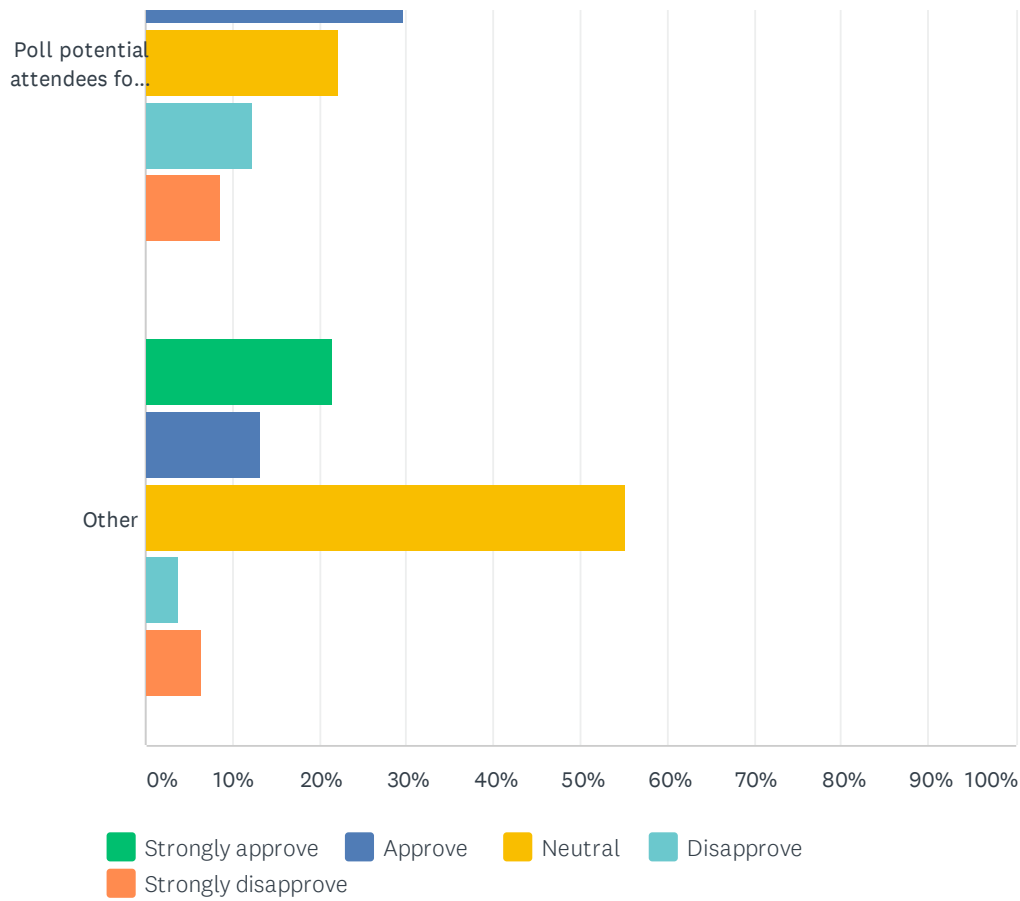
	STRONGLY APPROVE	APPROVE	NEUTRAL	DISAPPROVE	STRONGLY DISAPPROVE	TOTAL	WEIGHTED AVERAGE
Use the timezone of the cancelled in-person IETF meeting	17.97% 76	37.59% 159	25.53% 108	11.82% 50	7.09% 30	423	2.52
Pick one timezone and use it for all online IETF meetings	7.64% 32	17.18% 72	25.30% 106	28.40% 119	21.48% 90	419	3.39
Always use the timezone eight hours later than the last online IETF meeting	7.14% 29	24.88% 101	40.15% 163	18.97% 77	8.87% 36	406	2.98
Poll potential attendees for each online IETF meeting and pick the best time from that	27.27% 117	29.60% 127	22.14% 95	12.35% 53	8.62% 37	429	2.45
Other	21.50% 23	13.08% 14	55.14% 59	3.74% 4	6.54% 7	107	2.61

Planning for possible online IETF meetings

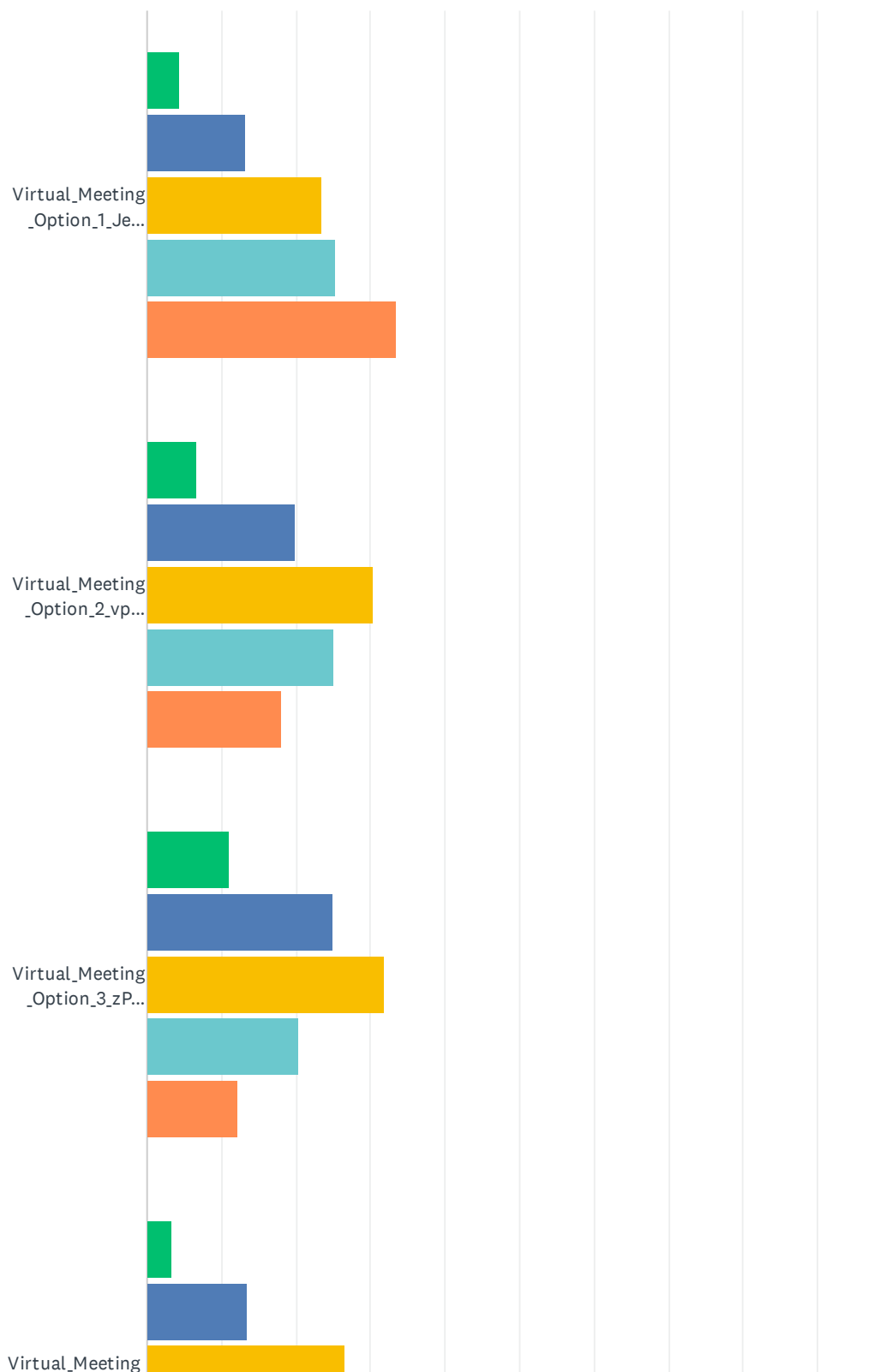| #	(PLEASE SPECIFY)	DATE
1	use UTC	5/11/2020 8:46 AM
2	Rolling through timezones using *odd-numbered* increments. This means that over time more timezones will be at the centre of the meeting time.	5/10/2020 11:48 AM
3	just use UTC	5/8/2020 2:37 AM
4	There is no good choice. Attendance will be severely impacted regardless of what you choose.	5/7/2020 5:33 AM
5	Just won't work...	5/7/2020 1:31 AM
6	Some consideration should be made for less popular time zones, but if there is no active participants in a WG, don't make everyone feel the pain and have a less productive session.	5/7/2020 12:09 AM
7	rolling slack style	5/7/2020 12:01 AM
8	Minimize formal schedule time and allow wgs/bofs to choose based on wg participants..	5/6/2020 10:41 PM
9	Offer meetings in a broad mix of TZs and let us all have some difficult and some easy slots. Don't particularly favor emea and amer	5/6/2020 4:19 PM
10	should be depends on where the active experts in that WG/RG are located.	5/6/2020 1:01 PM
11	within a single meeting make it shift 8 hours, so for every pariticipants there will be a hard to make, but it evens out participation for the meeting.	5/6/2020 8:00 AM
12	If based on numbers of attendant, it will be biased toward NA. The only fair way, to provide everyone to opportunity to attend once a year to something "local" is rotation.	5/6/2020 6:42 AM
13	Look to where the bulk of WG chairs, document authors and attendees are based and use that as guidance. Close to "poll attendees", but not quite the same	5/6/2020 6:12 AM
14	Pick time most convenient for chairs and key participants.	5/6/2020 5:07 AM
15	Let WGs schedule virtual interms whenever they want, and some events can be the week Madrid was scheduled- basically, do the same as what was done for IETF107	5/6/2020 4:35 AM
16	Allow sessions to be viewed non-real-time and actively engage with speakers via messaging or other tools specific to the task that does not require subscribing to all the WG mailing lists.	5/6/2020 3:57 AM
17	Use the TZ for the meeting venue scheduled but cancelled. Note that this would encourage volunteering to host in-person meetings, because - worst case - you end up choosing the TZ for the meeting.	5/6/2020 3:31 AM
18	N/A	5/6/2020 3:25 AM
19	Let WGs decide on their own	5/6/2020 3:02 AM
20	spread meetings across all timezones	5/6/2020 2:34 AM
21	Use the timezone of the majority of participants	5/6/2020 2:24 AM
22	No good option. That's just a fact.	5/6/2020 2:14 AM
23	Let the WG chairs figure it out	5/6/2020 2:11 AM
24	pick time based on session participants preferrable times. Not a general one! maybe for the plenary and more formal ones yes we could have fixed time depending on "the timezone of the meeting cancelled or the periodic +8 idea)	5/6/2020 1:06 AM
25	Let WGs pick one of 3 slots based on their participants, for each of their sessions. Or choose different 8 hour groupings with 2 meetings	5/6/2020 12:46 AM
26	Pick timezones based on global population centers and rotate between them.	5/6/2020 12:24 AM
27	Limit the fixed schedule to the necessary minimum, decide the rest per WG (via interim meetings)	5/5/2020 9:57 PM
28	in one hand poll main speakers and active contributors and the other hand poll potential attendees. The first group would have more priority (2/3 for example)	5/5/2020 7:37 PM

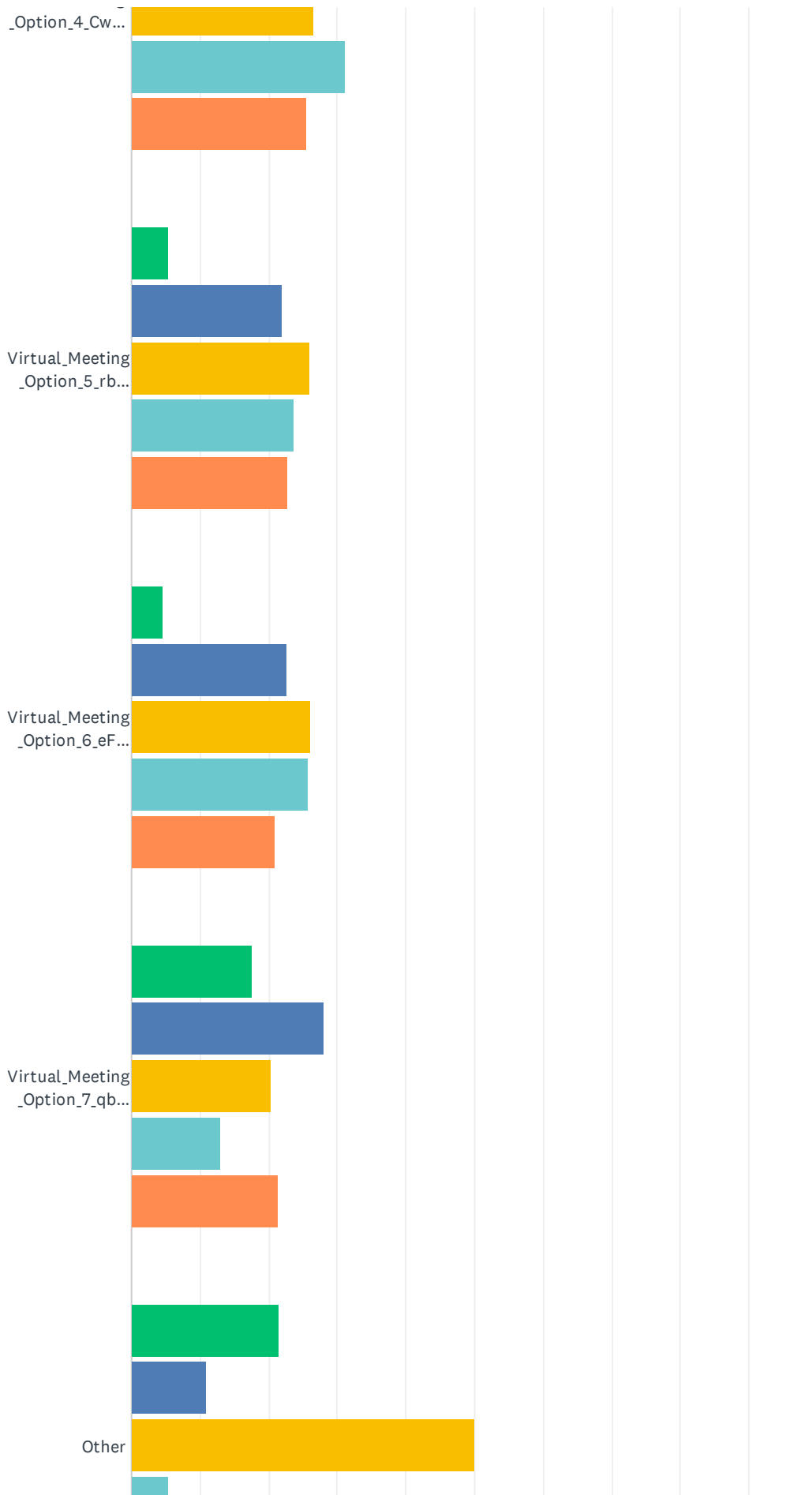| 29	Let working groups decide.	5/5/2020 3:18 PM
30	Abandon any kind of collaboration that requires multiple people to be present at the same time, in-person or otherwise.	5/5/2020 1:04 PM
31	There are well-understood hours for International conferencing during almost everyone's waking hours: UTC 1100 to UTC 1600.	5/5/2020 8:52 AM
32	explore different meeting formats/structures	5/5/2020 3:26 AM
33	There isn't a good solutions to this problem.	5/5/2020 2:50 AM
34	spread it around the 24 hour clock. maybe poll each wg.	5/5/2020 2:09 AM
35	random based on a lava lamp generator at a secure location that is only accessible by the high priests of rng on the first full moon two months preceding the meeting	5/5/2020 2:00 AM
36	Should stop planning in-person meetings for 2020-2021, but continue rotation of "sites" between major population areas of different longitudes. Maybe continue to have region/culture themed social events and even sponsors. It's important to maintain awareness of participation of different regions and cultures.	5/5/2020 12:20 AM
37	-	5/4/2020 7:32 PM
38	Use my timezone (+5:30 IST)	5/4/2020 7:22 PM
39	Attendance remains US/EU mostly; polls reflect that. IETF107 should've kept Canada's time-zone.	5/1/2020 2:00 PM
40	Doodle pool	5/1/2020 8:56 AM
41	it usually depends on the reason of such cancellation, so if pandemic then find best times in evenings	5/1/2020 5:03 AM
42	use UTC	5/1/2020 3:59 AM
43	If the meeting's daily agenda is shortened and the meeting stretched to two weeks, the timezone compromise to guarantee a "night" to everyone is quite useful.	5/1/2020 3:18 AM
44	Run the same session multiple times to accomodate different timezones. That might mean multiple WG chairs. Don't expect to do effective online meetings with the same structure built for in person meetings.	5/1/2020 3:11 AM
45	Spread the meeting times out over a longer period, and use different timeslots to rotate the inconvenience among participants, maybe after a poll.	5/1/2020 2:44 AM
46	Schedule WG/RG meetings on two time slot, one fitting NAM/LAM+EU and another one fitting EU+APAC	5/1/2020 1:25 AM
47	Asking on the ietf list will turn into the usual bike shedding by the usual persons. Pretty useless	4/30/2020 11:11 PM
48	Schedule WGs (not the whole meeting) based on its participants	4/30/2020 8:36 PM
49	Let WGs poll individually and schedule based on preference.	4/30/2020 8:16 PM
50	If the hours don't suite me, I would just attend "my" WG sessions and skip the rest.	4/30/2020 7:01 PM
51	same as #4 but let each WG decide	4/30/2020 6:49 PM
52	Poll once to determine the best worldwide option, and stick to it. It might well have a long "lunch" break.	4/30/2020 3:48 PM
53	Have different WGs meet at different times based on a majority of the participants.	4/30/2020 3:13 PM
54	my suggestion is to design 2 or 3 timezones reasonablly and then rotate with them as we were doing with the plances of in-person meetings. But these picked timezones are not necessarily same as the current places' timezones.	4/30/2020 2:30 PM
55	Choose timeslot for worldwide access - on 24 hour clock, put early hours of morning across Pacific Ocean	4/30/2020 1:26 PM
56	poll each WG. If a WG is small an only has members from say Europe and NA it doesn't make sense to schedule it in an Asian zone.	4/30/2020 11:37 AM

| 57 | Schedule the plenary for a least painful time given the world and rotate it. Let the WG chairs schedule two sessions - one in a good time for them, one 12 hours different over the next few weeks. | 4/30/2020 11:30 AM |

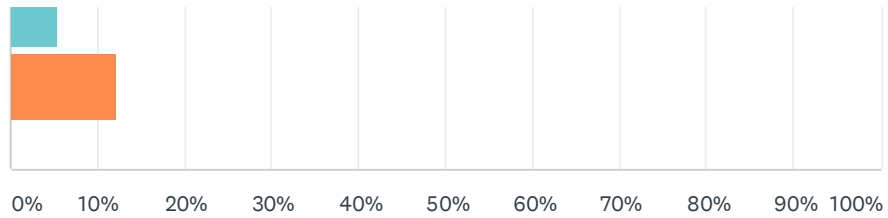# Q17 Assuming this applies to the worst possible time zone for you, how easy would it be for you to participate in each of the following online IETF meeting formats? (Skip any you don't know about)

Answered: 397   Skipped: 179

Planning for possible online IETF meetings

_Option_4_Cw...

Virtual_Meeting
_Option_5_rb...

Virtual_Meeting
_Option_6_eF...

Virtual_Meeting
_Option_7_qb...

Other

Planning for possible online IETF meetings

Legend: ■ Very easy ■ Easy ■ Neutral ■ Difficult ■ Very difficult

	VERY EASY	EASY	NEUTRAL	DIFFICULT	VERY DIFFICULT	TOTAL	WEIGHTED AVERAGE
	4.49% 17	13.19% 50	23.48% 89	25.33% 96	33.51% 127	379	3.70
	6.70% 25	19.84% 74	30.29% 113	25.20% 94	17.96% 67	373	3.28
	11.05% 41	24.80% 92	31.81% 118	20.22% 75	12.13% 45	371	2.98
	3.29% 12	13.42% 49	26.58% 97	31.23% 114	25.48% 93	365	3.62
	5.51% 20	22.04% 80	25.90% 94	23.69% 86	22.87% 83	363	3.36
	4.67% 17	22.53% 82	26.10% 95	25.82% 94	20.88% 76	364	3.36
	17.52% 65	28.03% 104	20.22% 75	12.94% 48	21.29% 79	371	2.92
Other	21.62% 16	10.81% 8	50.00% 37	5.41% 4	12.16% 9	74	2.76

Planning for possible online IETF meetings

| #	(PLEASE SPECIFY)	DATE
1	I have better control over my weekend (plus Fridays) schedule than for week days.	5/11/2020 3:54 AM
2	If it's the worst possible timezone, anything less than 8 hours puts everything in the middle of the night. Surely we should be aim for longer days with larger gaps if we want to involve those in non-ideal timezones.	5/10/2020 11:48 AM
3	Wait for in person meetings.	5/7/2020 5:33 AM
4	I've done meetings at the worst possible time differences remotely twice now. I get up for sessions that really matter and ones that are important that I *might* not say anything are watched later (if I can). My attendance would not be the same as if they were more convenient or in person. Cross area participation would not happen in off hours.	5/7/2020 12:09 AM
5	time is no longer a bar in slack	5/7/2020 12:01 AM
6	Follow a similar approach to what was done for 107. Specifically minimum of meetings during the formally schedule time, and then a longer where working groups self schedule.	5/6/2020 10:41 PM
7	I don't quite understand this question	5/6/2020 7:26 PM
8	expand to 2 weeks, skip the weekends	5/6/2020 2:53 PM
9	I don't understand the question	5/6/2020 9:13 AM
10	Can't see the point of coffee and snack breaks at a virtual meeting. Should increase time.	5/6/2020 8:07 AM
11	I really don't understand the question -- if this is in the worst possible timezone for me, how am I supposed to rank my ability to get to multiply overloaded slots in different configurations? Depends on the content.	5/6/2020 6:12 AM
12	Suggest just doing what was done for IETF107- that worked pretty well.	5/6/2020 4:35 AM
13	7-10 days with 2hr block, 4 hr gap, 2 hr block. Worst cast (local time) 1am- 3am, 7am-9am or 2am-4am, 8am-10am, etc. At least 1 slot is be not-so-bad.	5/6/2020 3:57 AM
14	I want to see realtively few total sessions. If we're not in the same place, there is no charm to having conflicting meetings!!!!	5/6/2020 2:52 AM
15	impossible to understand the question	5/6/2020 2:42 AM
16	If it was in the worst timezone for me, I simply would not attend.	5/6/2020 2:37 AM
17	short slots spread across the day	5/6/2020 2:34 AM
18	just do the few things that really need broad participation in a synchronized fashion. For example, some BoFs, WGs that have large followings like TLS, QUIC, INTAREA, IRTFOPEN, and an administrative plenary. Allow other activities to b e scheduled outside the context of a formal IETF meeting.	5/6/2020 2:14 AM
19	4-5 hours per day spread over 15-20 days	5/6/2020 12:52 AM
20	I'm not attending any meetings ever, virtual or otherwise.	5/5/2020 1:04 PM
21	Let WGs decide the hours they meet (with AD approval) on a given day within 2 weeks.	5/5/2020 8:52 AM
22	No idea	5/5/2020 2:50 AM
23	There's an unfortunate dependency for trying to figure out how to answer based on "worst possible timezone". For my way of thinking that basically precludes "very easy" or "easy" from ever being answers.	5/5/2020 2:00 AM
24	It would be nice to add Sunday also	5/5/2020 12:27 AM
25	One week with with meeting (4 hours per day max) and one free week and then another week with follow-up meetings, so that the meetings could generally be shorter, you could use the mailing list for async. communications in the meantime and sort out remaining questions in the second meeting week. If most questions turn out to be addressable on the list, the second meetings could be canceled.	5/4/2020 10:43 PM
26	The way we did IETF 107 worked for me. Span over one month, provide time guidance and let	5/4/2020 7:36 PM

the chairs make the final decision on time / format..

27	-	5/4/2020 7:32 PM
28	I can flip my sleep schedule for a week, full-days would make it worth it, but 3-hour-days wouldn't be worth it, and too many days with a flipped sleep schedule would be too difficult	5/1/2020 2:00 PM
29	For me the answer depend on the number of WG scheduling clashes	5/1/2020 12:37 AM
30	Long slots are not effective; neither are too many days on a row.	4/30/2020 11:11 PM
31	Split schedule; two slots per day with a 10 hour break between each, so there's an option to have a "night" between any two slots.	4/30/2020 2:33 PM
32	max two hour meetings. If it's in the worst timezone, it's in the middle of the night. I'm not flipping my schedule for a week for an online meeting.	4/30/2020 12:22 PM
33	Let's not do this, ok? The only reason to have block scheduling for IETF meetings is an artifact of travel, time away from home/work, and lodging cost.	4/30/2020 11:35 AM
34	There is no possible way to do a one week virtual meeting that allows for all groups meeting during that time frame. Move the IRTF sessions to a different week at least. Ditto BOFs (have them the week before or on their own schedule)	4/30/2020 11:30 AM
35	anything above 5 hours online meeting + day job is gruesome	4/30/2020 11:29 AM

Q18 Assuming an online IETF meeting is scheduled in the worst possible time zone for you, please rank in order of preference the following options for the length of the meeting: (1 - highest, 6 - lowest)

Answered: 405   Skipped: 171
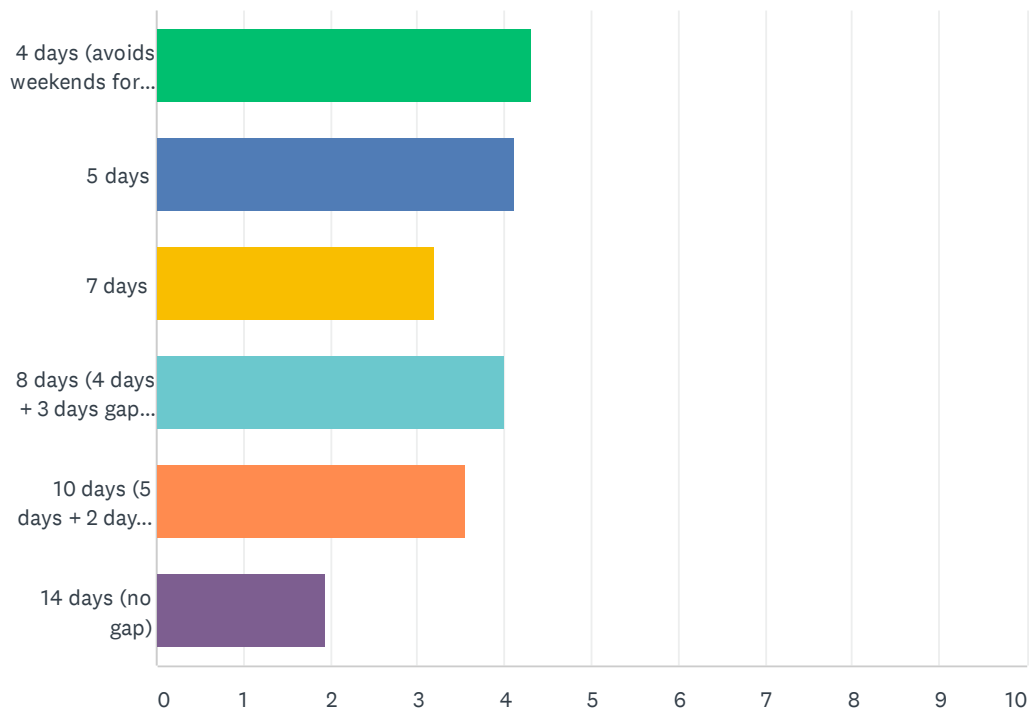
	1	2	3	4	5	6	TOTAL	SCORE
4 days (avoids weekends for everyone)	44.22% 172	14.65% 57	10.80% 42	6.17% 24	7.71% 30	16.45% 64	389	4.32
5 days	15.63% 60	38.80% 149	10.42% 40	14.58% 56	19.27% 74	1.30% 5	384	4.13
7 days	4.69% 18	6.51% 25	33.59% 129	22.66% 87	24.22% 93	8.33% 32	384	3.20
8 days (4 days + 3 days gap + 4 days)	12.99% 50	20.52% 79	26.49% 102	34.81% 134	2.60% 10	2.60% 10	385	3.99
10 days (5 days + 2 day gap + 5 days)	18.23% 70	15.89% 61	10.94% 42	15.36% 59	36.98% 142	2.60% 10	384	3.55
14 days (no gap)	8.05% 31	4.42% 17	6.49% 25	4.94% 19	8.05% 31	68.05% 262	385	1.95

Q19 Assuming an online IETF meeting is scheduled in the worst possible time zone for you, please rank in order of preference the following options for the normal length of each day of the meeting: (1 - highest, 4 - lowest)
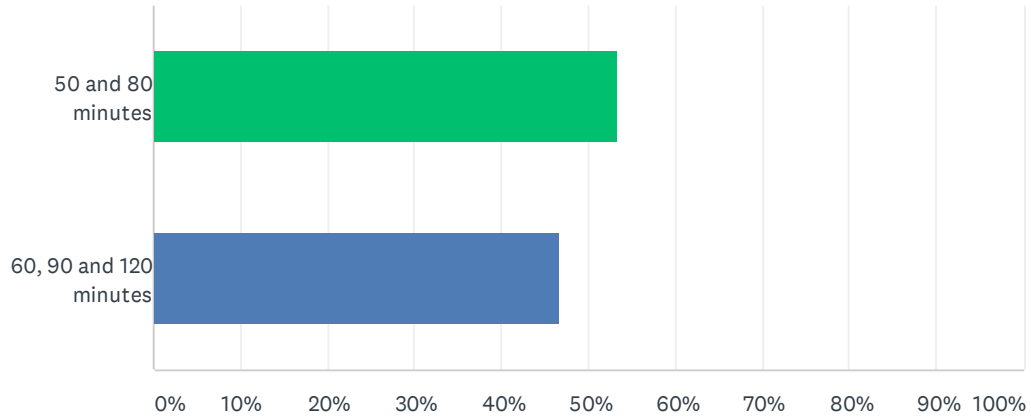
Answered: 388   Skipped: 188
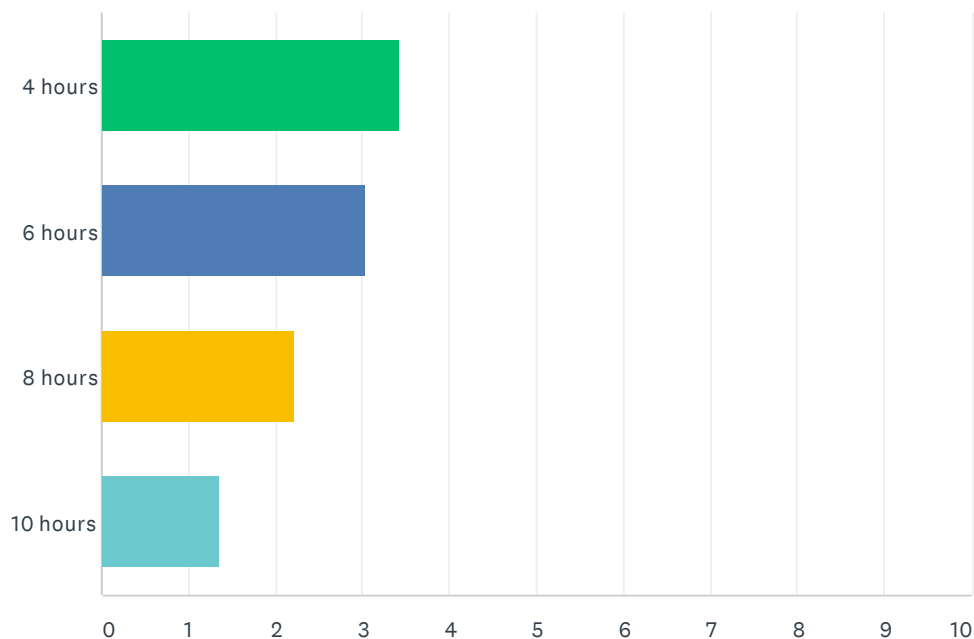
	1	2	3	4	TOTAL	SCORE
4 hours	68.57% 264	15.58% 60	5.71% 22	10.13% 39	385	3.43
6 hours	18.50% 69	67.83% 253	11.53% 43	2.14% 8	373	3.03
8 hours	6.32% 23	12.09% 44	78.85% 287	2.75% 10	364	2.22
10 hours	7.90% 29	3.54% 13	4.09% 15	84.47% 310	367	1.35

Q20 Which of the following options for the length of sessions for an online IETF meeting do you prefer?

Answered: 438   Skipped: 138

ANSWER CHOICES	RESPONSES	
50 and 80 minutes	53.42%	234
60, 90 and 120 minutes	46.58%	204
TOTAL		438

Q21 Is there anything else you would like to tell us about the format of online IETF meetings?

Answered: 70   Skipped: 506

Planning for possible online IETF meetings

#	RESPONSES	DATE
1	Might have been helpful if you had asked, not just preference rankings, but where the cutoff occurs. Eg., t there is no chance that I could pull two consecutive weeks out of my calendar and attend unless the scheduling worked out just right.	5/11/2020 1:55 PM
2	There are no good answers here. I do favor rotating timezones in some way so it won't always be at the worst possible time for the same people. It's hard to choose which is worse in terms of slot duration and number of days.	5/11/2020 9:02 AM
3	I've been in many online meetings/workshops since the close down. Online is more tiring that in person meetings. Please keep the day as short as possible.	5/11/2020 3:54 AM
4	include every half hour a sanitation/coffee break	5/10/2020 9:17 PM
5	Consider posting the recordings quickly online, which would reduce the issue of missing the live meeting.	5/7/2020 6:28 AM
6	120 minutes sessions are much more productive than shorter ones	5/7/2020 6:21 AM
7	Don't do it.	5/7/2020 5:33 AM
8	I would probably skip all but 2-3 sessions for a meeting in the "worst possible timezone", and for the most important session or two, I could attend at 2am, so I'm not sure how much weight you should give my answers in this section.	5/7/2020 4:27 AM
9	On-line allows to have fewer meetings per day (less overload, easier to pick common timezone) and just spread it over more days.	5/7/2020 2:41 AM
10	They just don't work!!!	5/7/2020 1:31 AM
11	think about legacy ways of working and see what used to work that can be narrow band - maybe a short term usenet portal on steroids with media - lots of toys exist.	5/7/2020 12:01 AM
12	Trying to preserve the format of an in-person meeting isn't likely to work very well if we have to run this way for multiple meetings. I'm not sure what the right answer is, but I think all of the above are far worse then what was done for 107.	5/6/2020 10:41 PM
13	two hour online sessions with no break are hard, people will wander off and you can't tell	5/6/2020 2:03 PM
14	This is just not the same. If people are not face to face, why making things different than usual per/wg interim meetings.	5/6/2020 6:42 AM
15	I'd rather to avoid 120 min sessions. It's a bit too long.	5/6/2020 6:05 AM
16	I would not participate unless I was presenting and just watch the video after where I can play most of it at double speed or read the ppt and ask questions on the mailing list.	5/6/2020 5:45 AM
17	Allow chairs at least 20 minutes to get a meeting session set up (WebEx active for 20 minutes prior).	5/6/2020 5:34 AM
18	We need to figure out how to "hum" online.	5/6/2020 5:00 AM
19	Suggest just doing what was done for IETF107- that worked pretty well.	5/6/2020 4:35 AM
20	I find the questions on this page hard to answer because for me, the value of flying across the world to an IETF meeting is the chance to find a quiet room and have face-to-face discussions with my co-authors and critics. When and how the formal sessions are scheduled concerns me far less than replicating the opportunity to, for example pitch an idea to ekr and judge his reaction, or ask the WG chairs for advice on how to proceed.	5/6/2020 4:23 AM
21	Longer days allow being present in the first and last slot and get some sleep in between (but scheduling may make you unlucky). Short days allow for easier time shifting. Probably the latter is better.	5/6/2020 4:01 AM
22	No thanks.	5/6/2020 3:31 AM
23	spread over a longer period of time	5/6/2020 3:04 AM
24	DO NOT hold sessions in a meeting week unless you MUST. Since we're not in the same place, let's avoid the conflcits.	5/6/2020 2:52 AM

25	I would suggest using many short (2-4 hour) days with 1-2 long (120 minute) sessions, with a goal of picking a single optimal time window each day to maximize the number of IETF participants world-wide that can attend the sessions at a reasonable time zone for them.	5/6/2020 2:48 AM
26	When the IETF is in-person, obviously we want to cram in as many sessions as possible (to optimize the time taken and the venue costs). If we are virtual, this doesn't apply - it would make more sense to spread things out	5/6/2020 2:46 AM
27	Do like 107, have essential sessions during IETF week and then spread out the other WGs.	5/6/2020 2:45 AM
28	Please make online meetings that last 50minutes and then 10minutes break. That's very good for concentration and for physical body parameters.	5/6/2020 2:42 AM
29	Time constrained meetings are worse than no meeting at all.	5/6/2020 2:30 AM
30	On the previous question, teleconference fatigue for me argues to not have any really long meeting slots, so I'd avoid the 120 minute format.	5/6/2020 2:14 AM
31	For online meetings 120 minutes is too long.	5/6/2020 1:26 AM
32	It could be nice to have other options to participate. Like, a collaborative document where multiple inputs may apply at the same time. I am thinking in something related with NetMundial or maybe IGF High Panel on Digital Cooperation examples, where paragraphs and comments could lead to sub-comments of anyone in the world with an opinion. For example, you can mention a particular paragraph from a mailing list email.	5/6/2020 1:06 AM
33	I don't see much benefit in forcing a schedule like these unless we're meeting in person.	5/6/2020 12:37 AM
34	I understand NASA knows a bunch about this problem	5/6/2020 12:24 AM
35	Yes, abandon all meetings that require people to synchronize time, virtual or otherwise.	5/5/2020 1:04 PM
36	The "hallway" chat room is important, but I suggest expanding upon it, with multiple non-session rooms: help w/virtual meeting tools; organizational chat; technical chat; social chat?	5/5/2020 8:54 AM
37	While there are always problems with trying to fit a meeting into a given time slot, it seems to be more complicated with online meetings. I don't know why this is true but that has been my impression.	5/5/2020 7:39 AM
38	The shorter the better with focus only on the key issues that need robust discussion - everything else by email.	5/5/2020 7:01 AM
39	we already have low density meetings (year round, mailing lists). the meetings should be highest possible density, and highly selective about what deserves a time slot.	5/5/2020 6:10 AM
40	I would prefer not to have conflicts for an online meeting. I can do strange hours at night for either 1-2 nights in a row and just lump it, or I can do it for two weeks (I'll adjust my body, and stick to it). The options in between won't work. I don't prefer to pack the meetings all into 1 or 2 weeks, but just let us have virtual interims for the majority of our work. This is the way to go anyway, even when we can meet in-person again.	5/5/2020 4:37 AM
41	Sessions should be shorter. If more time is needed, split out in interims	5/5/2020 3:04 AM
42	Nothing replace in-person meeting. Video meetings are a poor substitute. We should be using email exclusively for IETF work until we can again meet in person.	5/5/2020 12:32 AM
43	Meetecho works very nice for the in-person meeting, it would be nice if we could have similar performance with the virtual one.	5/5/2020 12:27 AM
44	If you use more days, maybe try to put one area's meetings on the first days and another area's meetings on the latter days, so many people won't need to participate every day.	5/5/2020 12:20 AM
45	IMO we have to rethink the whole approach, i.e., not just try to replace physical meetings with online meetings. By using a mix of telcos, async collaboration, shared document editing etc., we might find a better overall solutions. Perhaps also look at how Open Source projects work.	5/4/2020 10:43 PM
46	Allow presenters to present a recording of their input and others to field questions in case of connectivity issues	5/4/2020 7:44 PM
47	More sessions in parallel. There are only I limited number of sessions that are a MUST for me. Others are nice to have. These I could skip when going virtual. It would be great if the virtual	5/4/2020 7:32 PM

meeting was condensed with just no overlapping sessions in my area if interest.

| 48	I'd like for the IESG to use this situation as a forcing function to ask working groups "how badly do you need to meet?", "do you have an agenda?" and similar questions. That's a lot easier to do for online meetings than in-person meetings, where "oh, but this person can't come unless they present", "oh, but we can't ask for another slot or usefully surrender our slot because our situation changed", and similar situations make flexibility a challenge.	5/2/2020 6:49 AM
49	When an online meeting, meetings are done next to one's dayjob, meaning days are long, where an on site meeting one is 5 days dedicated to meetings.	5/2/2020 3:04 AM
50	Make lunch break a little shorter, but beverage breaks a little longer - we will all need to prepare our own food and beverages, but we don't particularly need lunch meetings.	5/1/2020 9:18 AM
51	WG/RG agendas need to be very focused on items which enable WG/RG progress on already chartered work items. Other presentations and proposed new work and such like all ought to be de-prioritised or omitted entirely.	5/1/2020 5:40 AM
52	The WG meetings should have productive discussions. So prefer no discussion per presented time. Time for full presents, then time for discussions per agendas points.	5/1/2020 5:03 AM
53	Please allow enough time for discussion. Long strings of presentations are anyway very boring when given online.	5/1/2020 4:02 AM
54	You could fly the WG chairs and a video crew to a central location to run the meeting from there where they'd have better video etc to stream globally. (if travel is possible)	5/1/2020 3:11 AM
55	Try to limit the number of slots per day and number of simultaneous sessions	5/1/2020 1:25 AM
56	My answers are very dependent on WG schedule clashes. I prefer longer days and a longer period with few clashes over a short period with many clashes. Online might be an opportunity to have fewer clashes.	5/1/2020 12:37 AM
57	shorts slots require people to be prepared and hopefully stops rambling. There need to be gaps between slot.	4/30/2020 11:11 PM
58	If the meeting happens in the hypothetical "worst timezone" for me, I will not be attending, period.	4/30/2020 10:36 PM
59	If scheduling takes place based on polling the WG, then a longer session is desirable (90 mins)	4/30/2020 8:16 PM
60	It sucks. Being "virtually" in different time zone while being "physically" elsewhere just does not work for more than 1 day, especially when in I'm at home quatantine. Am I supposed to close myself into cellar and tell my family to ignore me for a week? Please let's admit that fully virtual meetings do not work and move on to virtual internims. From my perspective it is waste of time to schedule "virtual week" which deters people from attending their WGs.	4/30/2020 6:59 PM
61	We need breaks even for online meetings, and not just for a short nature break	4/30/2020 4:41 PM
62	It is difficult to concentrate on online meeting more than 90 minutes. Also, it is difficult to keep vitality attending more than 3 virtual meeting a day.	4/30/2020 12:23 PM
63	I think we need to move past synchronous meetings.	4/30/2020 12:22 PM
64	We need to make cuts in time in order for this to work. That means greater discipline in terms of what gets discussed. We can't afford to blow 2 hours per working group. The effect that has on wellbeing is disastrous. One week of four hours at a relatively good timeslot was hard. For those people having to do midnight to 4am, that would have been brutal. We can't possibly ask anyone to do more than that each day or to prolong this especially if it crosses into their normal sleep patterns. And extending this out over multiple weeks would be catastrophic. We had ~two tracks for the one week this time around. We can probably afford to have more concurrent sessions than we had, and three slots over that period instead of two. Assuming 5 days and 7 tracks, that's just 105 slots total, which is close to the target above. That means making hard choices about groups that get to meet and hard choices in groups about what to discuss. That might be healthier than the risk of driving people to exhaustion.	4/30/2020 12:15 PM
65	Short days please.	4/30/2020 12:03 PM
66	If you can't fit in 2hr x 5days, it's too much. Punt it to interims. IETF 107 got the balance right.	4/30/2020 12:02 PM
67	please set an agenda and stick to you. also, please use some scheduling invite tool to get it on	4/30/2020 11:30 AM

	our calendars and if updates happen, we don't miss it. it's happened before.	
68	I'm concerned with the options - there's no need to have one week with all the sessions.	4/30/2020 11:30 AM
69	Its not really possible to model the intensity of an IETF online. I think its a false analogy and better to recognize "its different"	4/30/2020 11:11 AM
70	Don't try replicate a f2f IETF meeting week.	4/30/2020 11:08 AM

Q22 How important is it for us to provide virtual hum technology to assist chairs in judging consensus in online meetings?

Answered: 450   Skipped: 126
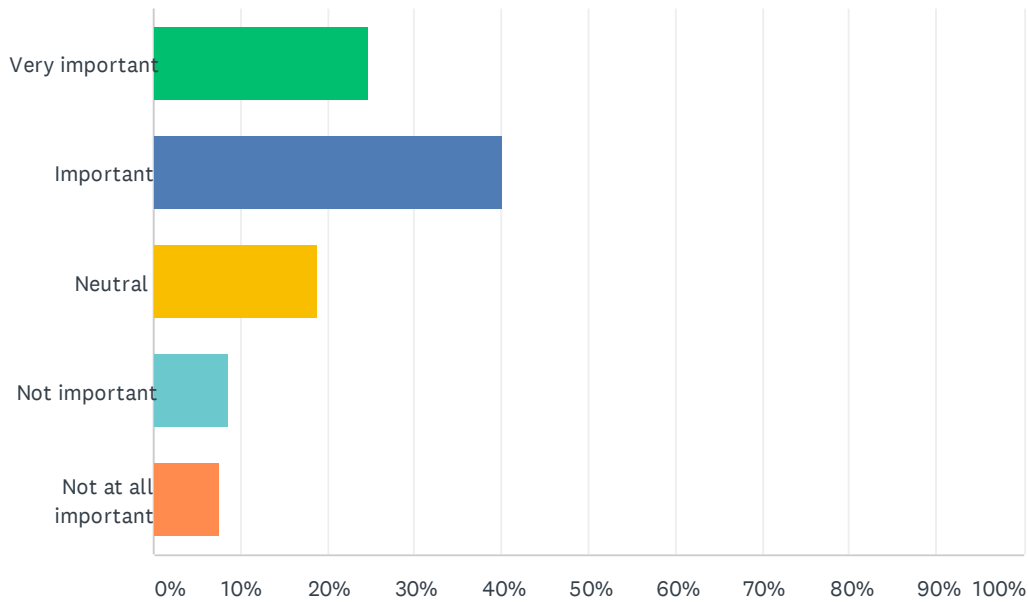
ANSWER CHOICES	RESPONSES	
Very important	24.67%	111
Important	40.22%	181
Neutral	18.89%	85
Not important	8.67%	39
Not at all important	7.56%	34
TOTAL		450

Q23 If we were to have virtual hum technology then how important are the following features? (Skip any you don't know about)

Answered: 412   Skipped: 164
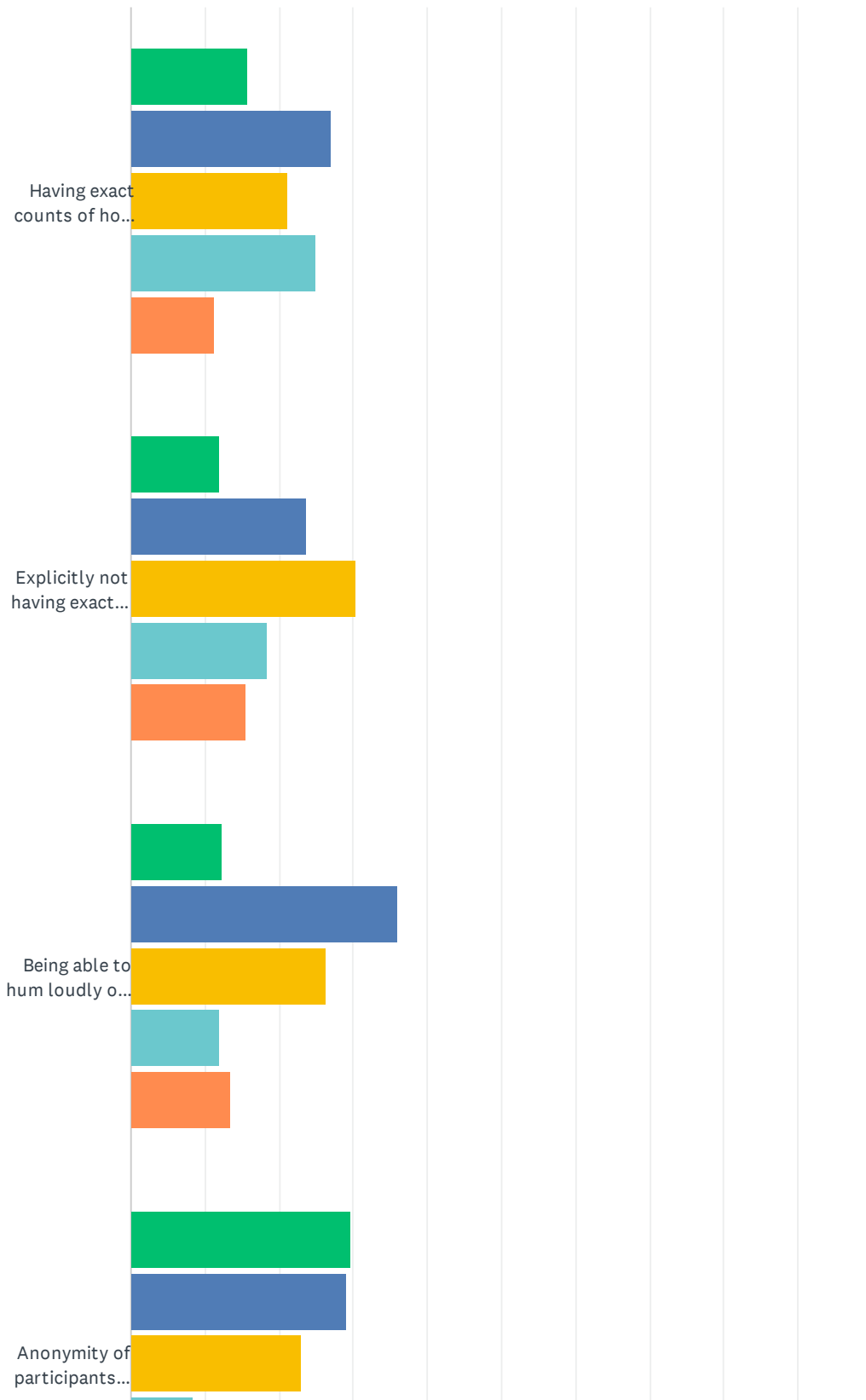
Planning for possible online IETF meetings
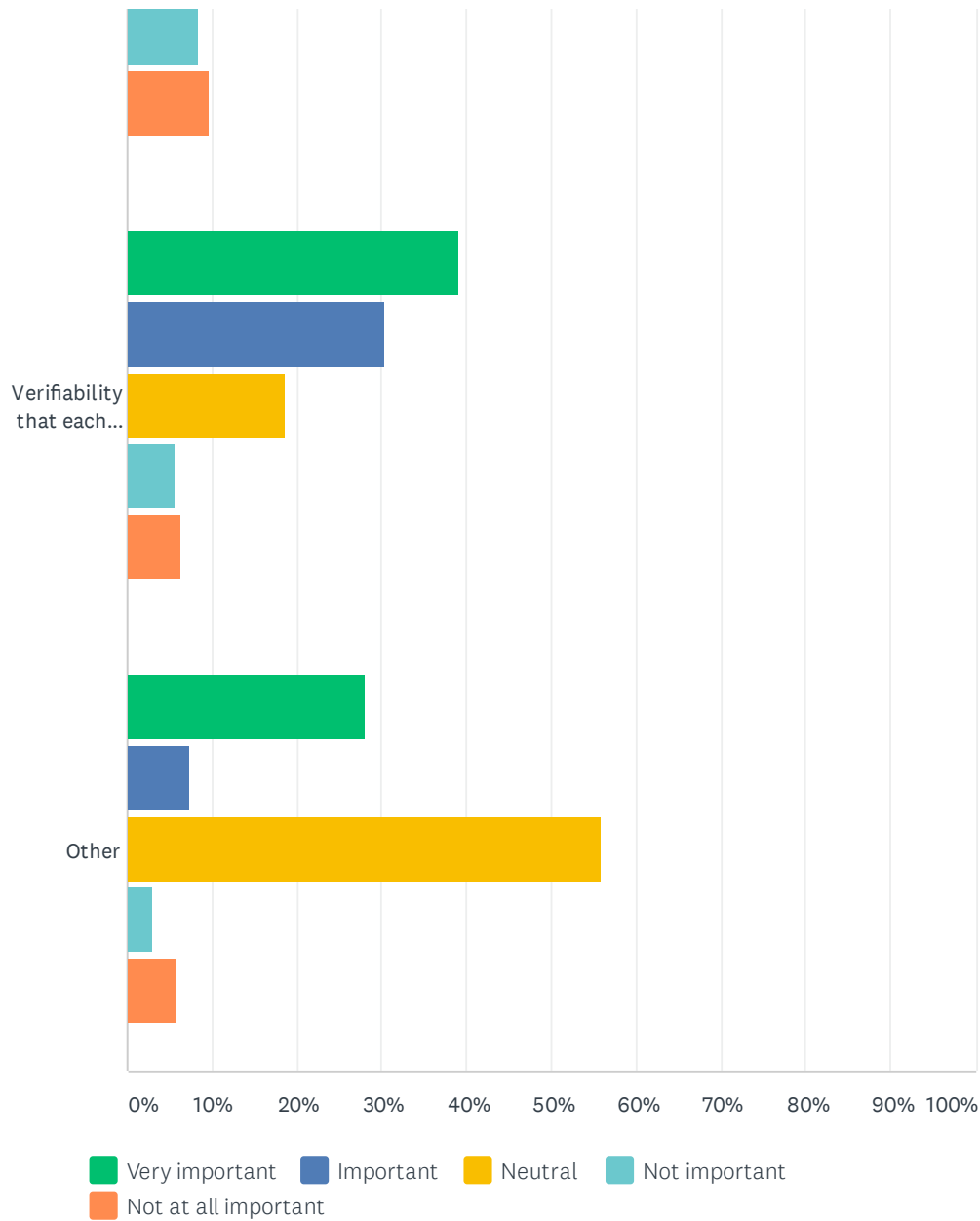
Legend: Very important (green), Important (blue), Neutral (yellow), Not important (teal), Not at all important (orange)

	VERY IMPORTANT	IMPORTANT	NEUTRAL	NOT IMPORTANT	NOT AT ALL IMPORTANT	TOTAL	WEIGHTED AVERAGE
Having exact counts of how many people hummed	15.59% 63	26.98% 109	21.04% 85	25.00% 101	11.39% 46	404	2.90
Explicitly not having exact counts of how many people hummed	11.95% 46	23.64% 91	30.39% 117	18.44% 71	15.58% 60	385	3.02
Being able to hum loudly or softly	12.34% 49	36.02% 143	26.45% 105	11.84% 47	13.35% 53	397	2.78
Anonymity of participants doing the humming	29.78% 120	29.03% 117	23.08% 93	8.44% 34	9.68% 39	403	2.39
Verifiability that each person is generating a single hum per question	39.21% 158	30.27% 122	18.61% 75	5.71% 23	6.20% 25	403	2.09
Other	27.94% 19	7.35% 5	55.88% 38	2.94% 2	5.88% 4	68	2.51

Planning for possible online IETF meetings

#	(PLEASE SPECIFY)	DATE
1	The most important thing to me about a hum is some idea of how many of the people present hummed at all, or how loudly: how many of the people present have an opinion, and how strongly held it is. Exact numbers don't matter, proportionality does.	5/11/2020 9:06 AM
2	Can't replace in person humming	5/7/2020 5:38 AM
3	Having approximate number of participants is important	5/7/2020 12:39 AM
4	a degree of I have better tech than you or better network will be a problem, think of a black bag with each person given a whole or black ball and time to pass the bag - maybe	5/7/2020 12:04 AM
5	Who is humming is often as important as how many hums/hands	5/6/2020 10:44 PM
6	This would be great challenging as the quality of connection would also count. Would be better for 'blind poll'.	5/6/2020 1:02 PM
7	I have never been remotely impressed by humming.	5/6/2020 8:09 AM
8	One way to do "loudness" is number of hums from one person. So allow multiple hums per person, but no anonymity.	5/6/2020 5:38 AM
9	We need humming to be able to make progress in some situations	5/6/2020 5:01 AM
10	It is better to ask people to "vote" in the Chat window	5/6/2020 4:07 AM
11	Approximate % of people humming (say 5% bins), approximate intensity of hums (maybe histogram of loud, neutral, soft, silent).	5/6/2020 4:00 AM
12	Most chairs ask for hums using two questions, which would make limiting hums "per question" pointless, so it would be important to group qestions by topic.	5/6/2020 3:35 AM
13	Hum is not enough for consensus. Lack of disagreement is important.	5/6/2020 2:52 AM
14	None	5/6/2020 2:38 AM
15	No counts! That smells too much of voting.	5/6/2020 12:53 AM
16	Audible humming noise :-)	5/6/2020 12:50 AM
17	Both options, having exact counts and fuzzy counts should be available for the WG chair to pick from.	5/5/2020 7:20 PM
18	This can be totally handled on the mailing list.	5/5/2020 3:19 PM
19	Some kind of online forum or Reddit-like hierarchical comment system would be an appropriate technology for ongoing IETF conversations.	5/5/2020 1:06 PM
20	Summation MUST use a logarithmic function, like human hearing.	5/5/2020 8:55 AM
21	This is going to turn into a poll, but I don't see any alternative.	5/5/2020 2:51 AM
22	I think humming is unimportant	5/5/2020 2:42 AM
23	fairness and confidence in that fairness - transparency of the algorithm used to measure hums. analog indication (e.g. hum-meter and/or audible hum of different volumes) rather than digital.	5/5/2020 12:23 AM
24	Anonimity is OK but knowing the affiliation would be good	5/4/2020 7:38 PM
25	No counts! A count = voting.	5/1/2020 2:16 AM
26	Last question is ambigious. Prevent people from voting multiple times or make sure everybody votes? For all questions: count as precentage, not absolute numbers	5/1/2020 12:41 AM
27	On zoomyou can do a thumps uo or down. That might replace humming somewhat	4/30/2020 11:15 PM
28	I'm not sure an exact count is required, but knowing roughly how many are humming is important, e.g. less than 5, 5-10, 11-20, etc.	4/30/2020 9:12 PM
29	Independently verifiable vote counts.	4/30/2020 12:05 PM
30	*sigh* Use the technology they use for focus groups - a dial that indicates your interest in a topic over time.	4/30/2020 11:31 AM

| 31 | Deciding who can hum | 4/30/2020 11:21 AM |
| 32 | "its not voting" has to be re-inforced | 4/30/2020 11:13 AM |

Q24 Is there anything else you would like to say about virtual hum technology?

Answered: 85   Skipped: 491

Planning for possible online IETF meetings

#	RESPONSES	DATE
1	I'm not convinced this is doable, and it suggests thinking about other ways to gauge "rough consensus". An online meeting isn't just a physical meeting where all the people are on the same screen instead of all in the same room. We can't replicate the experience; we just have to find a way to get to roughly the same place.	5/11/2020 9:06 AM
2	not sure it'd be useful/effective/accurate	5/11/2020 3:55 AM
3	Anonymous "humming" on a scale of 1-10 with a presentation of a graph showing the distribution of values would be useful and relatively easy to implement.	5/10/2020 12:34 AM
4	Just use the chat room	5/8/2020 2:11 AM
5	I think it's important to avoid setting up scenarios in which hums are treated as votes.	5/7/2020 8:36 AM
6	I'm suspicious of the validity of almost *any* technological solution - complexity doesn't improve validity	5/7/2020 6:23 AM
7	Real time feedback of visual and audio cues influences hum levels during in person meetings.	5/7/2020 5:38 AM
8	Please look for a way to do ranked-choice voting (e.g. Condorcet) of more than two options.	5/7/2020 4:30 AM
9	I don't think this will work. For one thing, can a teleconference system actually work when all participants produce an audio noise simultaneously.	5/7/2020 4:25 AM
10	C'mon. We're the IETF! We have got to find a way to do anonymous one-time-no-repeat humming. It's easy folks.	5/7/2020 2:07 AM
11	I like the idea of counting strong and less sure hums - I think this would help me assess what is being asked, although it will depend a lot on culture to understand detail - so resolution is probably not important.	5/7/2020 12:39 AM
12	we are all being marginalised under lockdown and I would as an ADD guy probably be screaming at the screen at times or wetting my self with laughter. I like to see the whites of a mscreants eyes and for them to honestly tell me why. Parliament in the UK has these conversations in the Lobby at vote time, this will be a good thing to share if we crack it.	5/7/2020 12:04 AM
13	Moving to a different approach then something that requires good hearing is a positive move from an inclusiveness perspective.	5/6/2020 10:44 PM
14	maybe provide options like: agree, mostly agree, neutral, mostly disagree, disagree, abstain (default) and define a time slot (e.g. 20 sec) to provide or change your "hum". Maybe include an option that the graphical result is presented in real-time while the "hum" is ongoing. Another option could be that someone can request to express his opionion, why he/she disagrees - via text and/or via mic (or alike)	5/6/2020 7:36 PM
15	Why not use preferential voting? Or a Likert scale?	5/6/2020 12:22 PM
16	Feedback during the hum is important, so it is possible to modulate volume accordingly	5/6/2020 11:56 AM
17	Just don't bother. Vote.	5/6/2020 8:09 AM
18	+1 is enough	5/6/2020 7:32 AM
19	Hums don't need to be simultaneous. The hums could be gathered over a 24 hour period or any other period really.	5/6/2020 5:51 AM
20	They need to take consensus to the list, anyway. So it's not really that big a deal to me.	5/6/2020 5:38 AM
21	We need humming to be able to make progress in some situations	5/6/2020 5:01 AM
22	Humming is by design difficult to accomplish virtually	5/6/2020 4:36 AM
23	It is better to ask people to "vote" in the Chat window	5/6/2020 4:07 AM
24	hum hum hum	5/6/2020 3:44 AM
25	This has always been of questionable value. Using a "show of hands" (without necessarily counting them) is at least as effective.	5/6/2020 3:35 AM
26	They are more important in virtual meetings. because in virtual meetings few people are more	5/6/2020 3:32 AM

social than the others and hog talk time. It is harder to cut lines in virtual meetings.

27	Hum is not a vote. Lack of disagreement is important and also the ability to verify that technical issues have or have not been solved.	5/6/2020 2:52 AM
28	Not a fan.	5/6/2020 2:46 AM
29	None	5/6/2020 2:38 AM
30	We have enough trouble getting people who aren't invested in a particular outcome to speak up on the mailing list. I'd propose we have some kind of easy way for people to express a hum-like response either ron the mailing list, or in some other offline-means that gives people time to reflect.	5/6/2020 2:16 AM
31	Not sure if humming is a means of getting anonymous consensus that can easily be conveyed to the digital era	5/6/2020 1:08 AM
32	It could be nice to have other options to participate. Like, a collaborative document where multiple inputs may apply at the same time. I am thinking in something related with NetMundial or maybe IGF High Panel on Digital Cooperation examples, where paragraphs and comments could lead to sub-comments of anyone in the world with an opinion. For example, you can mention a particular paragraph from a mailing list email.	5/6/2020 1:07 AM
33	Get the basics solid first.	5/6/2020 12:38 AM
34	Given that consensus is increasingly measured on the mailing lists to confirm I am not sure what the role of humming will be.	5/6/2020 12:25 AM
35	Consensus decisions are supposed to be validated on the mailing list so we shouldn't over engineer this issue.	5/6/2020 12:21 AM
36	The consensus needs to be explicitly confirmed on ML anyway.	5/5/2020 9:07 PM
37	As audio might be distorted, it should be possible to state hum questions and hum period in the virtual humming interface.	5/5/2020 7:20 PM
38	Just say no	5/5/2020 3:19 PM
39	Don't try to simulate meetings, they're a bad idea in principle.	5/5/2020 1:06 PM
40	It may be hard to stop humbots. Blockchain proof-of-work/stake would have pros & cons. Captcha might help. Someday we have to let causal/explainable reasoning general AIs hum...	5/5/2020 9:00 AM
41	I think we should do away with humming anyway, so I see "virtual hum" support as a pointless thing.	5/5/2020 7:50 AM
42	There are times where knowing the count and identity is important and others where it is not. The case of want to know is for the negative question to make sure that the individuals voting anti have an opportunity to speak to the issue if they have not done so and might have something new to say.	5/5/2020 7:42 AM
43	An over-complication for very little - if any - benefit. Not value for money for what it offers.	5/5/2020 7:09 AM
44	It shouldn't look like anything that would be mistaken for voting.	5/5/2020 6:36 AM
45	i'd like to exclude from participation anyone who hasn't read the draft.	5/5/2020 6:11 AM
46	Is an April 1 RFC on it? I want to know how many people participated (hummed for/against/didn't understand), but not the exact division of how. Since we can template this, getting the Yes/No/whats-the-question three-way Humm should be encouraged.	5/5/2020 4:39 AM
47	The limits of in person humming should not be replicated online.	5/5/2020 3:06 AM
48	This is going to turn into a poll, but I don't see any alternative.	5/5/2020 2:51 AM
49	I'm looking forward to how this can be done well with anonimity.	5/5/2020 2:08 AM
50	It would be nice to point out as reminder that the final decision should be confirmed by mailing list.	5/5/2020 12:28 AM
51	It's clearly going to be an experiment. We could discuss whether hum results should be visible to participants (or only to chairs so that they provide a direction, not the numbers). Also, we	5/4/2020 10:47 PM

should avoid that we turn the consensus process into voting -- it will be misused...

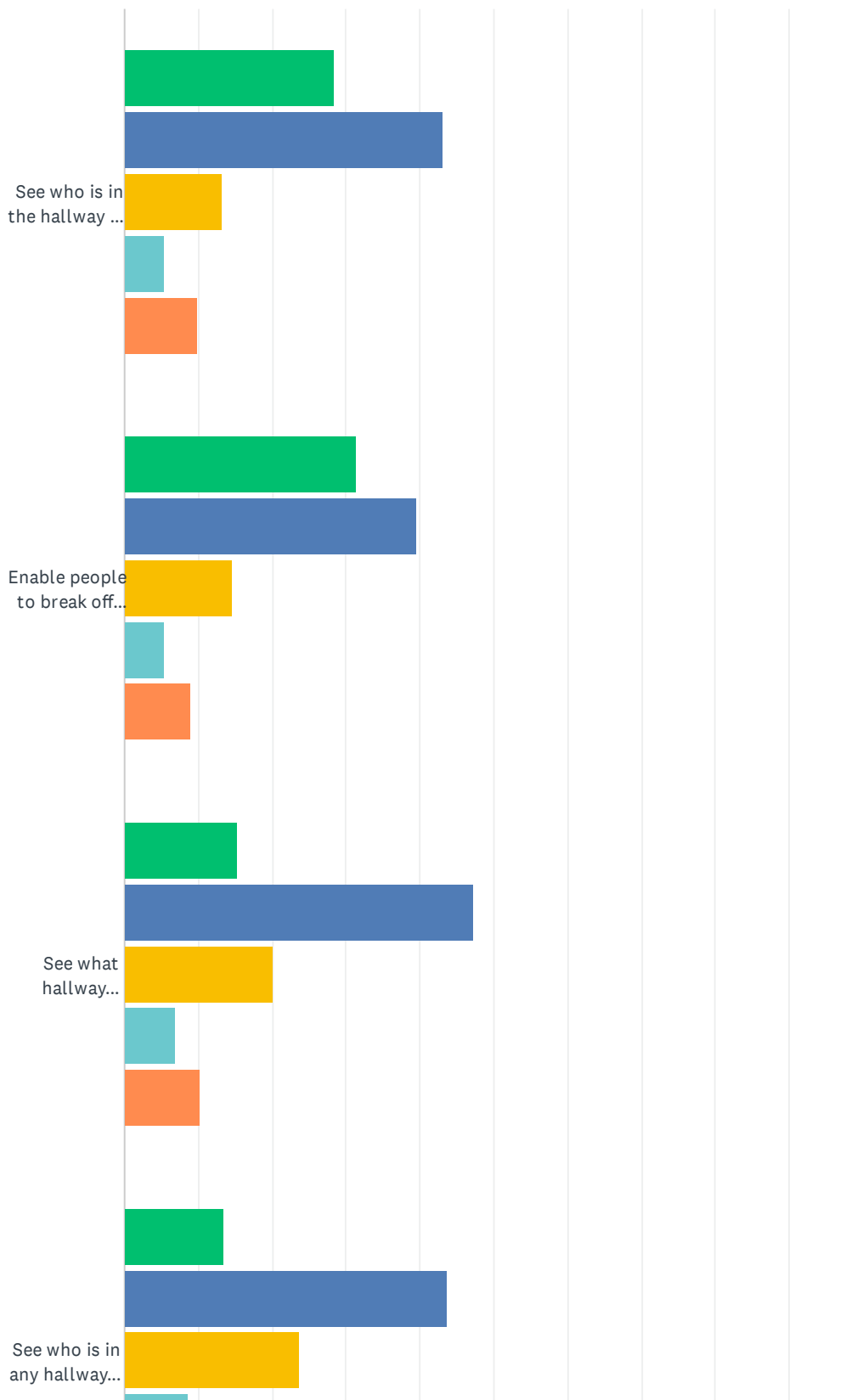| 52	The hum approach is a complex waste of time. Raising hands has worked just fine in all of the WGs I have seriously participated in, including chairing, these last 20 years	5/4/2020 7:47 PM
53	it would be good in real meetings too	5/4/2020 7:38 PM
54	Hums serve to avoid "voting". But this also tends to have the chairs' sense of whether the room is packed with regular or irregular participants or whether vote stacking is going on. It is critical that hums be able to be correlated vs. the participants.	5/4/2020 1:57 PM
55	lovely idea, I hope it can be implemented reliably	5/2/2020 7:06 AM
56	hum is dumb	5/2/2020 6:58 AM
57	This is ridiculously close to voting. If a better way to ask for the sense of a meeting comes for free, great, but please don't make it harder to convince participants that we don't make decisions by voting in meetings, and we don't pay attention to companies or countries most of the time - "you're thinking of the ITU-T".	5/2/2020 6:52 AM
58	Just to note that the consensus of a meeting is never important. Only the feeling of a room to help inform the chairs in their decision-making. So, the tools we have are enough for the job (noting that shows of hands or hums have always been available to remote participants through jabber).	5/1/2020 9:36 AM
59	We developed one: https://humming.us/ (and see link to github)	5/1/2020 7:48 AM
60	used only for showing interest of new draft, but not used for adoption	5/1/2020 5:05 AM
61	Maybe the IETF should just start voting. Ok, just kidding.	5/1/2020 4:03 AM
62	I think trying to replicate that is not a good use of time. A chair picks when to call for a hum based on cues they won't now have, so the experience isn't the same anyway.	5/1/2020 3:19 AM
63	Just use polling apps like mentimeter, slid.do etc. I've used them and can help run them for the IETF	5/1/2020 3:13 AM
64	This is not a "virtual hum"; it's a form of survey or vote. The question is how we use it - which I would want to be "advice to the chairs and not recorded" as opposed to being recorded in any form. I don't want to get into pissing matches of the form "but I got 50%+1 of the votes!"	5/1/2020 2:50 AM
65	Sometimes my hum is neutral and sometimes LOUD to indicate strong support Give us a slider for loudness of hum or something like that.	5/1/2020 2:16 AM
66	KISS	5/1/2020 12:41 AM
67	I don't see hardly any useful outcome other then a "let's take it to the mailing list".	4/30/2020 11:15 PM
68	The point is that issues need to be addressed, and controversies can be measured on the mailing list, if needs be.	4/30/2020 8:17 PM
69	The only important criteria is "verify that each person is generating a single hum per question"	4/30/2020 7:06 PM
70	Easy to use and well integrated with meeting software; ability to add questions on the fly etc	4/30/2020 6:40 PM
71	There should be a "negatively important" choice. Some of these features (exact counts, anonymity) I think are actively bad, and I think in general that we shouldn't use such a tool.	4/30/2020 4:58 PM
72	It is probably useful to choose answers above for each specific hum, i.e., make some anonymous, make others countable, etc.	4/30/2020 4:43 PM
73	On condition of anonymity(which is important), the chairs should be able to get multi-dimenional information taking advantage of this virtual hum technology.	4/30/2020 2:36 PM
74	Exact counts are probably needed for process double-check. Need some sense of level of "not humming."	4/30/2020 1:29 PM
75	Humming is stupid	4/30/2020 1:09 PM
76	This is silly. We use humming in different ways, but primarily either to vote (despite claims to the contrary), or to test for objection and the strength of that objection. It's imperfect in terms of anonymity and for either goal. It can be gamed in various ways. The system doesn't work very	4/30/2020 12:23 PM

well in person, but it is magnitudes worse for a transition online. The unbounded potential for abuse in an online system that attempts to replicate the in-person one is a real problem. We should be clearer about our consensus process instead. Not RFC 7282 perhaps, not https://w3c.github.io/Guide/, but a clear way for losers to know that they lost and a way for them to acknowledge that they accept that going in. If that means voting, then we should not hold our principles sacred at the cost of being unable to make decisions.
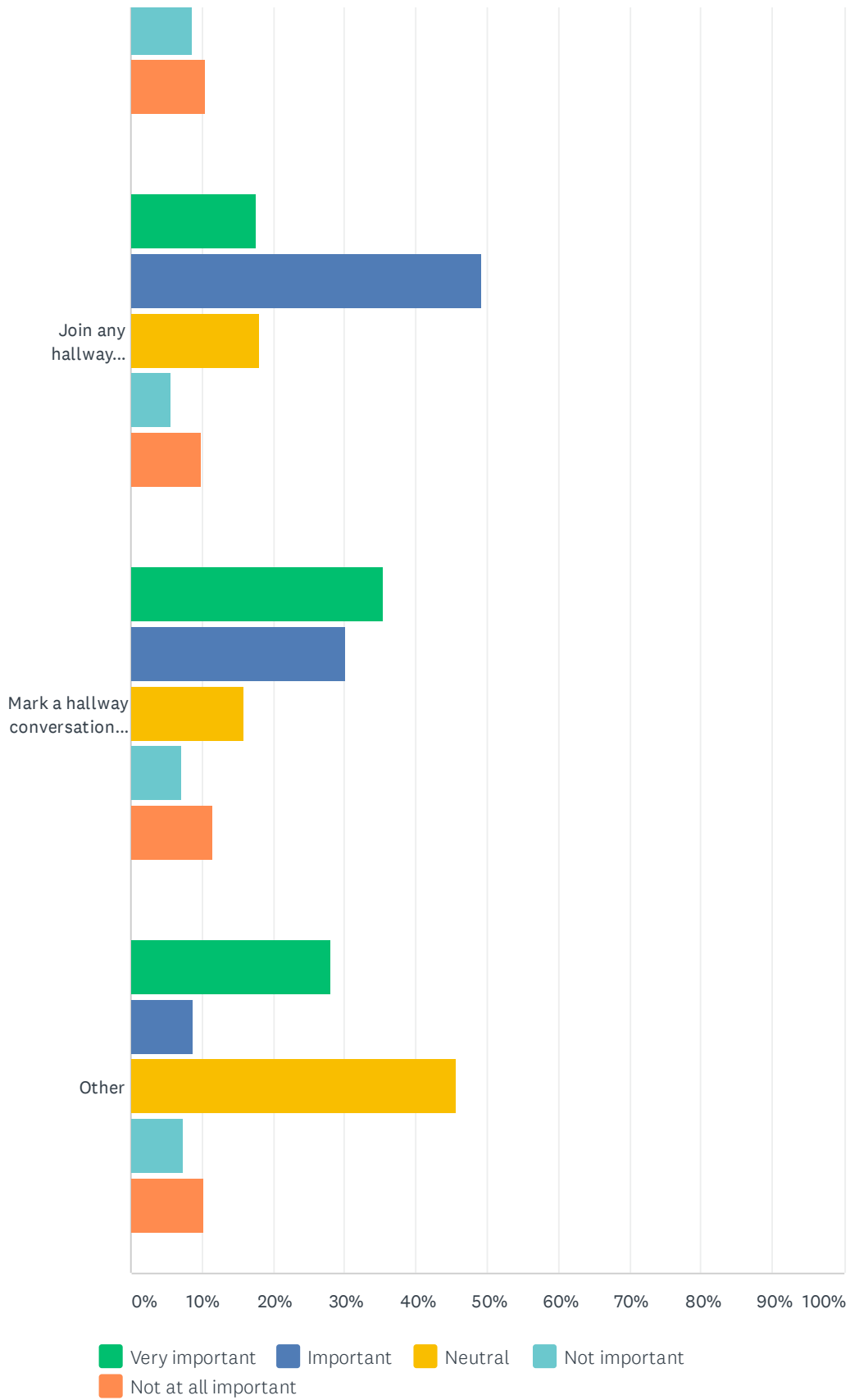
77	If you want exact counts, just use one of the existing crypto voting technologies, e.g., https://heliosvoting.org/ If you don't want exact counts, use something like helios and add noise.	4/30/2020 12:05 PM
78	Don't bother. Either take it to the list or do straw polls with standard voting/polling tools.	4/30/2020 12:05 PM
79	This is a hard problem. I don't expect miracles.	4/30/2020 11:35 AM
80	Don't use elevator music.	4/30/2020 11:31 AM
81	In RTCWeb work, we had definite examples of remote sock puppets humming from jabber feed.	4/30/2020 11:21 AM
82	I think it's more a therapeutic thing than necessity - it will make people feel like the meeting is being run more like they're used to.	4/30/2020 11:20 AM
83	As chair I often work with show-of-hands. We are a smaller group and humming only makes sense in really controversial situations. So a simple solution to show-of-hands would solve a lot of cases, IMHO.	4/30/2020 11:16 AM
84	Some chairs don't understand how to couch binary decisions. Hums for complex questions demand multi stage multiple humming. Humming is innately either binary or ternery (don't care/confused value)	4/30/2020 11:13 AM
85	Whatever is done, if anything, consider it an experiment.	4/30/2020 11:09 AM

Q25 How important is it to have a virtual hallway tool that provides the following features? (Skip any you don't know about)

Answered: 397   Skipped: 179

See who is in the hallway ...

Enable people to break off...

See what hallway...

See who is in any hallway...

Planning for possible online IETF meetings

Legend:
- Very important
- Important
- Neutral
- Not important
- Not at all important

Categories shown: Join any hallway..., Mark a hallway conversation..., Other

Planning for possible online IETF meetings

	VERY IMPORTANT	IMPORTANT	NEUTRAL	NOT IMPORTANT	NOT AT ALL IMPORTANT	TOTAL	WEIGHTED AVERAGE
See who is in the hallway and available to talk	28.53% 111	43.19% 168	13.11% 51	5.40% 21	9.77% 38	389	2.25
Enable people to break off into a separate conversation	31.41% 120	39.53% 151	14.66% 56	5.50% 21	8.90% 34	382	2.21
See what hallway conversations are taking place (unless marked as private)	15.34% 58	47.35% 179	20.11% 76	6.88% 26	10.32% 39	378	2.49
See who is in any hallway conversation (unless marked as private)	13.44% 50	43.82% 163	23.66% 88	8.60% 32	10.48% 39	372	2.59
Join any hallway conversation (unless marked as private)	17.51% 66	49.07% 185	18.04% 68	5.57% 21	9.81% 37	377	2.41
Mark a hallway conversation as private so that others cannot see it or join it	35.36% 134	30.08% 114	15.83% 60	7.12% 27	11.61% 44	379	2.30
Other	27.94% 19	8.82% 6	45.59% 31	7.35% 5	10.29% 7	68	2.63

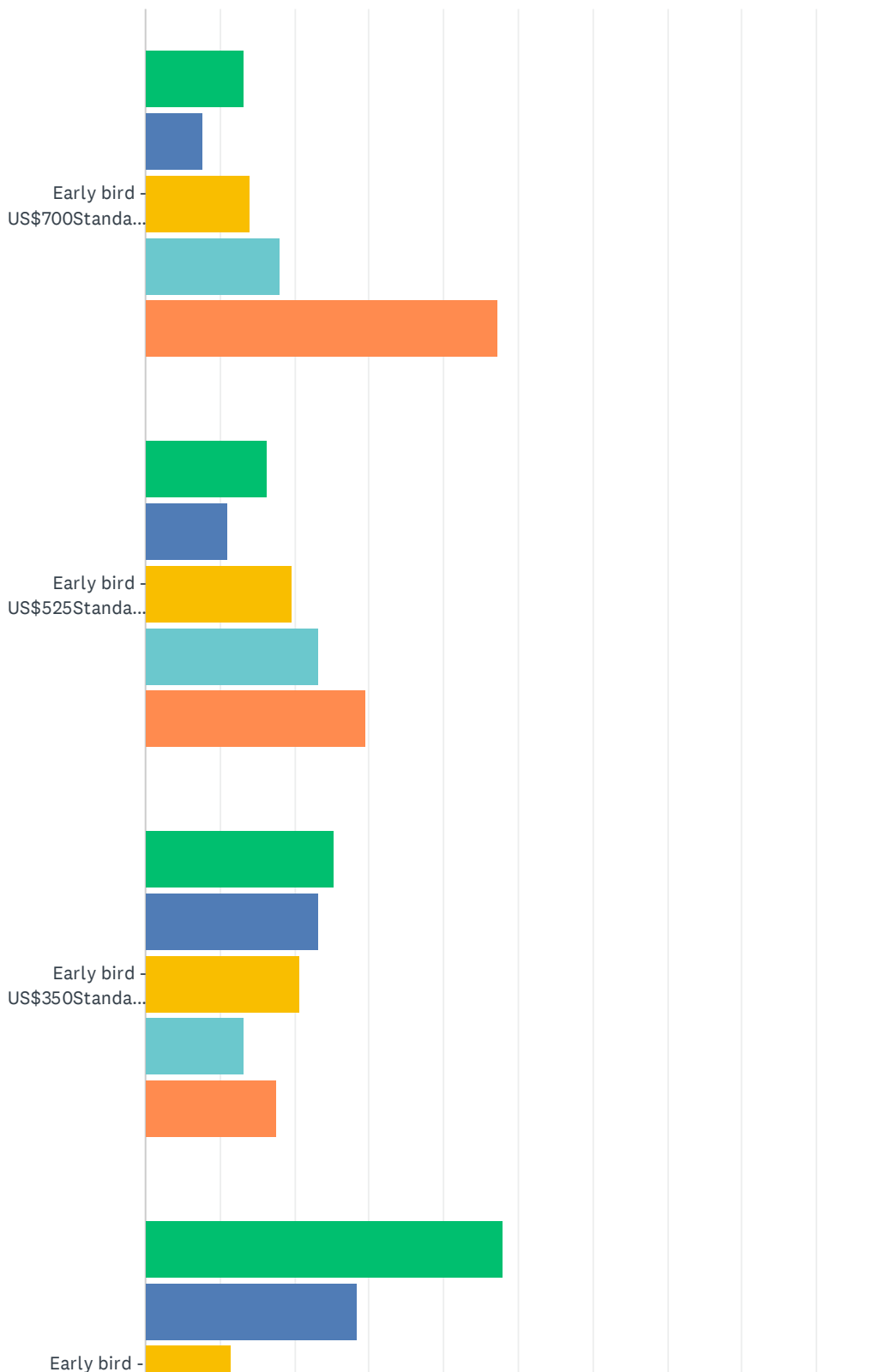# Planning for possible online IETF meetings

| #	(PLEASE SPECIFY)	DATE
1	being able to disappear from hallway - e.g. when having a private hallway conversation (this actually makes it not important to mark a conversation as private - you just disappear from the hallway if you're in a private converation)	5/11/2020 1:47 PM
2	virtual hallway would take time for people to adopt	5/11/2020 3:56 AM
3	Really doesn't matter, people will find a way to chat.	5/7/2020 5:47 AM
4	I do not see any benefits in virtual hallways	5/7/2020 12:52 AM
5	Ability to schedule one - especially if not private and a few people are essential	5/7/2020 12:12 AM
6	points based- if you are new you can listens and look. If you are a router god then you can coax people in nurture and lead	5/7/2020 12:06 AM
7	maybe distiguish between private (invisible) and not everyone can join. The latter e.g. by a request to join to be approved by "side meeting host"	5/6/2020 7:39 PM
8	provide a virtual queue to the target person who is currently occupied by other ppl/topic	5/6/2020 4:31 PM
9	to be useful it'd have to be complicated enough that people would have to learn how to use it, but they wouldn't	5/6/2020 2:04 PM
10	I'm highly skeptical of the value of this kind of mechanism in an online form. It would be vastly more useful to simply have an opt-in directory of jabber IDs.	5/6/2020 8:25 AM
11	the hallway is an important function for in-person meetings, but seems out of scope as a managed IETF service. Contact info for mic participants would be more useful.	5/6/2020 6:54 AM
12	I don't think virtual hallway can replace in-person hallway.	5/6/2020 6:07 AM
13	schedule a hallway talk. Have a moderator that admits and denies participants.	5/6/2020 5:55 AM
14	I do like the way Slack works.	5/6/2020 5:39 AM
15	Love it! This hallway time should be "scheduled" in the sense that 1) there will be set times when you expect to find people active in the hallway, and 2) I can put it in my calendar to set expectations with my boss that I will be "attending IETF" during those hours. Unrelated: some functionality for collaborative editing, sketching, gesticulating, etc would be lovely!	5/6/2020 4:29 AM
16	If "hall way" discussions can be "private" would "Note Well" apply?	5/6/2020 3:37 AM
17	enable to accept someone to join an ongoing conversation. Publish a topic to receive interested people (e.g idea in draft X, help in draft Y, new work in field Z)	5/6/2020 3:21 AM
18	Hallway is wrong by design. If you have to talk to someone, just do it. Hallway may incentivize bias. Everything should be public.	5/6/2020 2:53 AM
19	Indicate a conversation interest (e.g. into a queue) to people who are already in a conversation	5/6/2020 2:28 AM
20	As bad as formal teleconferences are, I'm even more pessimistic about virtual hallway conversations technology working well enough to be worth the trouble. We did such experiments at Cisco with telepresence "public areas" among sites and the novelty wore off after about one day and nobody used it anymore.	5/6/2020 2:19 AM
21	Some aspects of a physical IETF meeting can't be replicated on-line. Don't even try to do that,	5/6/2020 12:55 AM
22	Ideally, one would end up in the hallway before and after each meeting automatically so that people are forced to not only attend the meetings.	5/6/2020 12:52 AM
23	Enabling video in these rooms; explain to participants in advance how to interact	5/5/2020 7:42 PM
24	This is a waste of time	5/5/2020 3:20 PM
25	Some kind of online technology, like a forum or a Reddit-like hierarchical comment environment; something that is always on and always going; would be an appropriate replacement for hallway interaction.	5/5/2020 1:07 PM
26	Allow audio hallway discussions for 20 minutes (entire break time)	5/5/2020 8:57 AM
27	The hallway jabber was a good tool. The only problem being that not everybody used it.	5/5/2020 7:37 AM

28	The hallway track is very important for in-person meetings but I'm just not feeling any way to adequately come close to addressing it online.	5/5/2020 2:01 AM
29	I think the hallway conversation should be public - not privat -	5/5/2020 12:29 AM
30	I think that a virtual hallway tool can't replace the real hallway.	5/4/2020 9:25 PM
31	being able to accept someone in the discussion so we know when someone new joined	5/4/2020 7:40 PM
32	It'd be great to have some way to gracefully leave a hallway conversation without seeming rude. "I'm just going to get another drink" might not work in this setting ;)	5/4/2020 11:23 AM
33	interesting iddea, sadly not many people seemed to use it during 107, specially with time difference issues it's difficult for attendees to set time aside for the virtual hallways	5/2/2020 7:10 AM
34	ISTM that if we're going to try to make hallways and breaks work online, we have to be able to break off from all the other participants, not just because of privacy, but because of scalability. If we can't do that, I think you can ignore trying to provide hallways.	5/2/2020 6:55 AM
35	I do not think the virtual hallway works.	5/1/2020 2:09 AM
36	One or multiple (topic, area, per-day, etc.) Message Boards could be an interesting and useful feature	5/1/2020 1:30 AM
37	Private hallway is against open principle of IETF	5/1/2020 12:44 AM
38	I don't care about this	4/30/2020 11:17 PM
39	If the meeting is remote, I find it very unlikely that people will "sit and wait" in such a virtual hallway, especially due to the the TZ constraints. As such, some tooling integration could be usefull to be able to pro-actively encode "hallway time", to help people plan/book discussions	4/30/2020 8:42 PM
40	all of this is extremely important, but I would not trust any technology for this hallway discussions. Regardless of the IETF rules, these are somehow semi-private discussions.	4/30/2020 7:09 PM
41	There should be different levels of "join". I may want to listen in on a conversation and still be available for others at the same time. It may be useful to "summon" (invite) people to hallway conversations (in the sense of "it would be good if X were here").	4/30/2020 4:46 PM
42	If people want a private conversation, there are enough other apps to do that. Hallway should be somewhat open to encourage some random conservations.	4/30/2020 2:39 PM
43	Probably one way to do is to be able to announce a discussion and having people joinning that discussion in one click.	4/30/2020 2:23 PM
44	don't waste time and money on a virtual hallway tool	4/30/2020 12:25 PM
45	The IETF does not need to provide a tool for this. Yes, there is value in incidental encounters, but we can get much of those benefits if people were willing to conduct conversations on mailing lists, or publicly minute their interactions. And my guess is that they don't and won't. So don't waste effort on building something like this.	4/30/2020 12:25 PM
46	I suggest to avoid using IETF resources for private meetings--people can use private resources for that.	4/30/2020 11:30 AM
47	Don't try hard on this. I'm fine with experiments. But spending too much effort in failing to replicate f2f is probably not worthwhile.	4/30/2020 11:11 AM

Q26 For each of these different sets of meeting registration fees, how likely is it that you will participate in an online IETF meeting? (skip any you don't know about)

Answered: 441   Skipped: 135

Planning for possible online IETF meetings

Legend: ■ Very likely ■ Likely ■ Neutral ■ Unlikely ■ Very unlikely
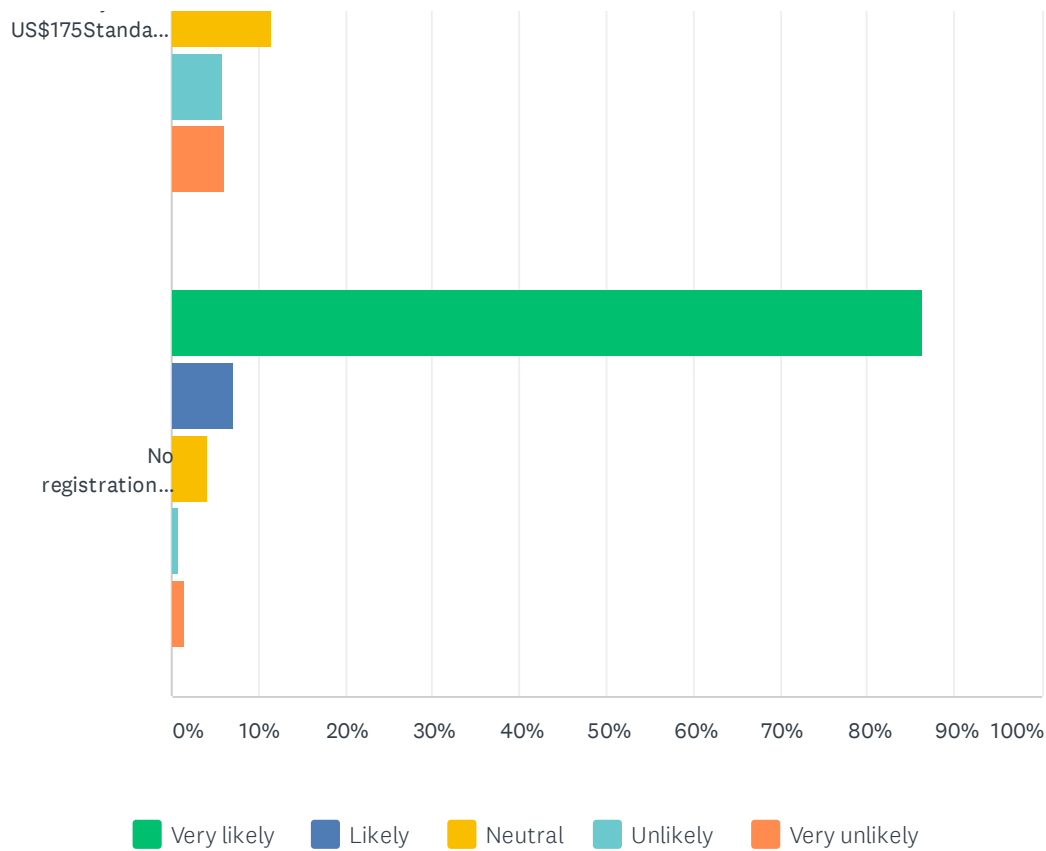
	VERY LIKELY	LIKELY	NEUTRAL	UNLIKELY	VERY UNLIKELY	TOTAL
Early bird - US$700Standard - US$850Late - US$1000Student - US$150	13.13% 55	7.64% 32	14.08% 59	17.90% 75	47.26% 198	419
Early bird - US$525Standard - US$637Late - US$750Student - US$112	16.35% 68	11.06% 46	19.71% 82	23.32% 97	29.57% 123	416
Early bird - US$350Standard - US$425Late - US$500Student - US$75	25.30% 105	23.13% 96	20.72% 86	13.25% 55	17.59% 73	415
Early bird - US$175Standard - US$212Late - US$250Student - US$37	47.88% 203	28.54% 121	11.56% 49	5.90% 25	6.13% 26	424
No registration fee	86.32% 347	7.21% 29	4.23% 17	0.75% 3	1.49% 6	402

Q27 Is there anything else you would like to tell us about registration fees for an online IETF meeting?

Answered: 105   Skipped: 471

Planning for possible online IETF meetings

#	RESPONSES	DATE
1	A fee is necessary. Don't think this should be free.	5/11/2020 12:51 PM
2	As the virtual interims are free it will not be attractive to charge a lot for an online meeting.	5/11/2020 9:26 AM
3	A fee for the online meeting comparable to the fee for an in-person meeting is probably do-able but will be a very tough sell with my management. It can be substantial but still should be significantly less; the meeting fee is one of the three large components of a physical trip (travel, lodging, reg fee) and is usually the smallest, but standing alone it could get more scrutiny.	5/11/2020 9:10 AM
4	It would be nice to have different price tiering for self-funded community members vs. those whose employers fully fund their attendance.	5/10/2020 11:55 AM
5	it all will depend upon my companies decision to pay these fees ...	5/8/2020 9:36 PM
6	costs should be comparable to online functionality/capabilities.	5/8/2020 3:27 AM
7	Being a WG chair, I will try to attend an online meeting for any registration fee that is equal to or lower than the usual one.	5/8/2020 1:10 AM
8	Consider different fees for individuals (maybe free) and persons representing a company.	5/7/2020 6:33 AM
9	It might be good to give discounts to people who live in a bad timezone for the meeting, since they probably can't come to as many sessions.	5/7/2020 4:32 AM
10	If a meeting has a registration fee, then it will be expected to provide a quality experience for the delegate. Online meetings would be expected to be interactive and not infotainment.	5/7/2020 4:29 AM
11	I find it hard to justify having the same costs for an online meeting as in-person when a lot of costs don't exist for online meetings (food, hotel staff, room space, etc.)	5/7/2020 3:08 AM
12	There should be an option in the $100 range. It CAN NOT cost more than that for you to schedule an event that's 100% online. Please	5/7/2020 2:10 AM
13	There's no way people will pay the same as in-person that is meant to cover in-person facility expenses. You'll see lower attendance even from big corporations that are favored.	5/7/2020 12:14 AM
14	millions of us are now unemployed - I suppose now the internet is corporate poor folks like me that began in the 80s with the first degree in my family aren't required.	5/7/2020 12:07 AM
15	Whatever the fees are, it's important to make clear and be fully transparent on what it is that the fee is covering. If it's ongoing operational costs - that's even fine. If it's fully transparent and covering reasonable / needed expenses. I'll be happy to pay it. If it's not transparent I won't pay any amount.	5/6/2020 10:49 PM
16	- request to register may prevent spontaneous participation (e.g. of folks new to IETF) - maybe distinguish between active participation and listen-only	5/6/2020 7:42 PM
17	No registration fee, or a small token fee (<= $50), would be the most appropriate for an online meeting.	5/6/2020 6:33 PM
18	Have a professor rate as well as a student rate	5/6/2020 4:22 PM
19	Employer pays so I am not price sensitive	5/6/2020 11:57 AM
20	I've joined remote meetings for free before (and may in person where I paid), no change is definitely a big price increase for remote.	5/6/2020 9:49 AM
21	Because the online meetings are likely to have extremely different value propositions to people -- moreso than in-person meetings -- it may be sensible to set a floor for meeting fees, and allow registrants to pay above that amount as they see fit. (e.g., $100 minimum fee, suggested fee of $450)	5/6/2020 8:30 AM
22	I'm happy to pay fee that helps cover the cost of the virtual IETF meeting	5/6/2020 8:02 AM
23	don't know if I can be refunded. better to have a participation per company	5/6/2020 7:35 AM
24	Remote attendance has always been free. Again, I do not believe online meetings to be something we should do when we have the choice.	5/6/2020 6:45 AM
25	I have a company paying for the fee. But if I didn't, and had to pay for it from my own pocket, I	5/6/2020 5:42 AM

	think the value proposition would be very different.	
26	Fee should be very low.	5/6/2020 4:38 AM
27	The actual cost is sorta irrelevant; they are all well below flight and hotel costs. I hope this does not mean that session recordings and other session materials will be paywalled? I hope these fees only paywall live participation.	5/6/2020 4:32 AM
28	A small fee for tools and support is ok but any cost must stay within reason. "Free" may not be advisable as this may attract too many lurkers and unnecessarily stress the system.	5/6/2020 4:04 AM
29	Previously, remote attendance was free. Would that still be available? What do you get for the registration fee compared to prior free remote access?	5/6/2020 4:03 AM
30	Maybe there are other funding sources. Also, for those who plan to attend only a few WG sessions, it seems burdensome to pay for a whole meeting.	5/6/2020 3:43 AM
31	Knowing that there is an equal barrier to participation would help justify having a meeting fee, as long as it is not as high as for an in-person meeting. Where is the T-Shirt for an on-line meeting? Where are the cookies and coffee?	5/6/2020 3:40 AM
32	Charging the same fee for virtual seems ridiculous. Have you thought of an annual "membership" fee that provides more assurance of revenue? Or annual price?	5/6/2020 3:08 AM
33	I am not willing to pay a fee for no venue and no cookies. If you're looking to support the IETF, then have a pay-to-get-in-the-door annual subscription. Want to post to a mailing list? Pay. (It's a terrible model. But let's not make the meetings less useful by keeping people away with incremental fees.)	5/6/2020 2:55 AM
34	Collect money from sponsors only and publicly.	5/6/2020 2:55 AM
35	Yes, make it work with No registriation fee.	5/6/2020 2:44 AM
36	I think the meetings should be free for online and only have free for in person meetings.	5/6/2020 2:40 AM
37	Provide lower fares for people from developing countries in addition to students.	5/6/2020 2:25 AM
38	We need to get revenue. I however would dispense with the early/late since our variable costs are not nearly as sensitive to advance planning as an in person meeting. I would just have a two-tiered fee structure - one amount high enough to generate reasonable revenue (e.g. $350-500) and a low rate (e.g. $50-100) for students or people unemployed due to the economic fallout of the pandemic.	5/6/2020 2:22 AM
39	Preserve the ability to register for just one day.	5/6/2020 2:13 AM
40	With fees there comes responsibility for a fruitful, efficient, technically working environment and a critical mass of attendees. The higher the fees, the more guidance and support from IETF secretariat, IT team, etc. are needed to provide a benefit. That's very different from the on-site "here are the rooms, and some Internet bandwidth" approach: Remote participants tend to get distracted; virtual hallways are very difficult to get up and running (socially, not technically), etc.	5/6/2020 1:11 AM
41	It could be nice to have other options to participate. Like, a collaborative document where multiple inputs may apply at the same time. I am thinking in something related with NetMundial or maybe IGF High Panel on Digital Cooperation examples, where paragraphs and comments could lead to sub-comments of anyone in the world with an opinion. For example, you can mention a particular paragraph from a mailing list email.	5/6/2020 1:07 AM
42	As long as the fees are budgeted fairly to break even on the meeting costs, I don't care (within reason) what the actual amount it.	5/6/2020 12:57 AM
43	Charging more than $100 for earlybird registration for an online meeting seems too much.	5/6/2020 12:50 AM
44	I have explicit funding to attend, so will join irrespective of the fee.	5/6/2020 12:39 AM
45	For me, I will attend almost irrespective of the registration fee. However, one of the advantages to remote participation before was that it was a way for those who don't have the resources to attend to participate in a cost effective (free) manner. So, while I answered above that I would be likely to attend regardless, I think it would be a huge mistake to make the cost of the virtual meeting as high as a physical meeting.	5/6/2020 12:26 AM
46	If I pay the same as for the f2f meeting, I will need to justify to my boss that the meeting is just	5/6/2020 12:08 AM

as productive as a f2f meeting.

47	We have to think about the people who participated online before Virtual IETF. If you charge for Virtual IETF meeting, you should consider the possibility that people who have been attending for free may not be able to attend.	5/5/2020 11:54 PM
48	I would expect and hope that free one-day or two-day guest passes be made available.	5/5/2020 10:04 PM
49	What are the fees paying for?	5/5/2020 9:13 PM
50	The fees I think are reasonable, may not reflect the view of my company.	5/5/2020 5:56 PM
51	People are already contributing their time for free. Don't make them pay to contribute.	5/5/2020 3:21 PM
52	A cost comparison would have been helpful. No meeting rooms or equipment to rent. Is that less or more than a in person meeting? By how much?	5/5/2020 1:40 PM
53	I wouldn't attend a meeting if you PAID me to do it.	5/5/2020 1:07 PM
54	I think we should figure out the goal and state it. If this is a "let's deal with not meeting in person in a COVID-19 world", the priorities might be very different than a "let's plan to meet virtually forever". This survey gives no indication of the goals - and yet we propose asking people if they'd pay full reg for a virtual meeting!?	5/5/2020 11:57 AM
55	When physical meeting, you arrange your stay depending on when the sessions are so that to maximize participation and hence spread the cost in a way. When sessions are online, you do not need that, but just participate exactly where you need it. Hence it could be useful to have fees per sessions and not for the whole week.	5/5/2020 10:07 AM
56	I would certainly expect them to be less than a physical meeting, but also certainly non-zero.	5/5/2020 9:04 AM
57	Need to know the cost break-down for fully virtual meetings, agree that there are costs that attendance must cover, but what are they and what are our options?	5/5/2020 9:00 AM
58	I would need to see a very strong connection between the actual cost of running the meeting and the registration fee. We can't just charge fees to replace the lost income.	5/5/2020 7:52 AM
59	The registration fees should be as low as possible, given that there is no venue hire (and supporting staff) cost or catering requirements.	5/5/2020 7:16 AM
60	Cheaper is always good but understand the need for money to come in. Either way my company pays so I am personally indifferent of the price. If I was to pay myself then a lower price would better.	5/5/2020 6:34 AM
61	the vast majority of technologists around the world whose work will be affected by ietf outcomes, cannot afford a plane ticket, or a hotel, or a fee. my likelihood of participation isn't what you should be asking about. it's whether i feel like we've got proper representation, not wealth-dominated cliques. for that, the smallest possible registration fee is what's called for. and it's what ARIN does, for exactly that reason.	5/5/2020 6:14 AM
62	It's unclear why there would be Early/Standard/Late levels for online. I think that I'd rather pay a yearly fee to attend all virtual interims.	5/5/2020 4:41 AM
63	It is very hard to justify versus the free online mailing list participation. It is kinda sad that with bandwidth costs this low, we would need to pay that much to hold a meeting - perhaps a WG should be formed to address that	5/5/2020 3:10 AM
64	I will pay the fee as charged.	5/5/2020 2:52 AM
65	My fee is normally payed by my employer so I am admittedly not price-sensitive. I really feel for people who have to pay their own way.	5/5/2020 2:03 AM
66	Still unknown if the registration fee can be reimbursed by my employer when the meeting is held on-line. In a case of in-person meeting, name badge is required for submit as a proof if I was actually on-site.	5/5/2020 12:33 AM
67	I believe that as online meeting should be free of charge. It helps people from developing areas that do not have resources to afford paying the IETF fee but are willing to participate. Other option is to justify why you should not pay the registration fee. If you come from an important company that have money you must pay. If you do not have a job, or are student or your income is not enough to pay the fee you should not pay.	5/5/2020 12:33 AM

68	The meeting fees have been outrageous and significant barriers to participation for many years, but could be accepted to some degree because we know that hotels and conference centers charge outrageous fees. We need to drastically lower the barriers to participation and virtual spaces should be MUCH cheaper than physical spaces. I'm thinking around $50-100 per meeting as a target.	5/5/2020 12:27 AM
69	It might be easier for companies compared to academics to justify the expense. We might want to think about reduced academic fees. The other reason: academics are never full-time standards delegates, so it is anyway hard for them to make the time.	5/4/2020 10:51 PM
70	Online registration should be kept free of charge.	5/4/2020 9:19 PM
71	It would be hard to justify the higher costs. The right approach is to be "profit neutral" when considering all inputs and all outputs.	5/4/2020 7:50 PM
72	It's not obvious to me why an online meeting would cost as much as an in-person meeting or only slightly less. Is this because you're cross-financing other things with the registration fee, and if so, which things? Maybe making this transparent would help people explain to their employer why they should fund them to attend.	5/4/2020 11:26 AM
73	if it's a high price, I'd expect the sessions to be scheduled at a convinient time for me, which ofc wouldn't be practical or realistic	5/2/2020 7:21 AM
74	I'm sure you'll see a bimodal distribution on this question - be thinking about the people who say they are unlikely to participate given the first couple of choices. My employer will absolutely pay for registration, regardless of any of these possible fee schedules, but we're pretty proud of being more open than "all employees of 50K-employee companies are welcome".	5/2/2020 6:58 AM
75	I'm assuming my employer will cover the registration fee.	5/1/2020 9:32 AM
76	You should enter a category for retired participants. Fees should be the same as for students or completely waived. I am retired, all my activity is pro-bono, I pay from my pocket any expenses. I cannot afford anything but symbolic fees, this is actually the reason for not attending face-to-face meetings any longer.	5/1/2020 9:02 AM
77	An online meeting should be free of charge	5/1/2020 9:00 AM
78	I depend on a client to pay the fees for me.	5/1/2020 7:42 AM
79	there should be fees for presentation time of new drafts that are not adopted, because it publishes the materials of authors.	5/1/2020 5:11 AM
80	They should reflect costs. One would expect lower costs in running a fully virtual meeting, so one would expect lower registration fees.	5/1/2020 4:04 AM
81	A concern I have about fees for online presentation is the potential for exclusion re funding.	5/1/2020 3:41 AM
82	they've been disadvantageous to people from developing countries. This is a unique opportunity to FIX that.	5/1/2020 3:17 AM
83	Provide general information on the proportionality of the operation cost vs. fee, and how fee also contribute to not only cover the on-line meeting costs but also contribute to the long-term budget of the IETF meetings	5/1/2020 1:33 AM
84	Highly depends on what it means for the total budget.	5/1/2020 12:47 AM
85	I'm slowly going to retire, so that makes me less interested	4/30/2020 11:19 PM
86	Make it free for students, period.	4/30/2020 10:38 PM
87	In general, I would not agree to pay a registration fee for a purely virtual meeting--I believe this should be the meeting's host role. As an individual, I know my employer will pay whatever registration fee is needed if the participation is deemed of importance--but this is a very slippery slope as not everyone can benefit from such corporate sponsorship.	4/30/2020 8:46 PM
88	If a justification can be made, I will be willing to argue to spend more.	4/30/2020 8:19 PM
89	I would not pay for online virtual meeting.	4/30/2020 7:15 PM
90	IETF was always over-priced for attendees outside of western countries, and asking for 700 USD for online meeting is outrageous. If you want to push for registration fees you need to	4/30/2020 7:03 PM

	show how much was saved by not paying for venue etc. otherwise it is just pulling numbers out of thin air, which is not going to work with attendees on short budget.	
91	There may be some use in investing participants with the "I paid for this, so I'm going to participate rather than doing unrelated local thing X instead" argument	4/30/2020 4:48 PM
92	I can imagine turning in a receipt for $350 for such a meeting & getting it approved for payment. Above that, I seriously doubt it. (I know it saves the airfare, but the accountants have already happily accepted the absence of airfares for a few years.)	4/30/2020 3:53 PM
93	Generally "No registration fee" is not a good policy even IETF don't have finacial pressure, since it may encourage unserious attendees. But we can reduce that further for the students than the lists above, to encourage more students in developing countries. The on-line meetings are tremendous opportunities for IETF to extend the community to those who couldn't afford the normal regiser fee and the cost of long-haul travel.	4/30/2020 2:55 PM
94	I wonder to what extent it might make sense to replace meeting fees with an annual membership structure, so the fees can more explicitly support ongoing IETF infrastructure.	4/30/2020 2:37 PM
95	The current fees prevent many people to participate to the meetings. As travel cost were quite high, this affected mostly locals. With virtual meetings we should make it possible for any one to join. Anyone includes people interested by one presentation of just presenting one presentation.	4/30/2020 2:30 PM
96	If charging a fee is what ensures that the IETF can continue to operate, then that is good. But costs should represent costs. I'd be surprised and disappointed if the costs for an online meeting were the same as an in-person one. And if the meeting fee were to go to other IETF costs (like the RPC), that would be objectionable to me.	4/30/2020 12:28 PM
97	It's up to my employer, not me. Mostly.	4/30/2020 12:26 PM
98	Ask IANA for some of that sweet, sweet domain registry money. OW, set the fee to cover actual costs for a remote meeting. I think if that's broken down, people will be happy to pay.	4/30/2020 11:37 AM
99	How about per WG you attend instead? Something like the old disney E ticket scheme? If the meeting is virtual, the variable costs are different and occur at different times and the need to do this 3 band model goes away. Price is unlikely to be a factor in my participation.	4/30/2020 11:34 AM
100	Don't care; business pays for it, and even if not, work has to go on.	4/30/2020 11:31 AM
101	I think it would be a good idea to have a fee, although I would prefer us not to have a very high fee. I will attend regardless of the fee level.	4/30/2020 11:28 AM
102	It would be really nice if there were corporate versus individual/independent rates. The higher dollar amounts have zero impact for the most part on those from big companies. It's not insignificant for those that self fund.	4/30/2020 11:23 AM
103	I feel my participation is not strongly related to fee, but if a per-WG or per-day fee was introduced I would minimise my companies cost exposure. We are a sister body so there some "mutuality" here.	4/30/2020 11:14 AM
104	I think it's important to charge fees for those who can pay. However, I have no idea what management's response would be if I asked for a fee to be paid. The cheaper it is, in principle the easier, but the IETF is important, and I would definitely ask if it were $700 for early bird. I suspect the answer would be yes. I suspect you won't see as much variance in early versus late registrations online as compared to in-person.	4/30/2020 11:14 AM
105	If we need money, don't tie it to online meetings or membership (the former will lead inevitably to the latter!). There is enough money in this industry to pay for a bunch of phone calls IMO.	4/30/2020 11:13 AM

Q28 Finally, is there anything else you would like to tell us?

Answered: 114   Skipped: 462

Planning for possible online IETF meetings

#	RESPONSES	DATE
1	With the experience from the last online meetings, it may be good to make one of the three regular meetings virtual also after the pandemic is over for environmental reasons.	5/11/2020 9:29 AM
2	I really appreciate the effort to figure out what resources and coordination it takes to make an "IETF meeting" a separate experience-- with separate benefits and requirements-- to "a bunch of WG meetings". It's going to be difficult but we should be able to accomplish some of what's needed.	5/11/2020 9:12 AM
3	IETF should look into quite biased representation in leadership positions from different companies (far too much oligopolistic behavior, with risk of collusion). Adoption of draft as WG item without question put to list; in cfrg "review panel" seems to replace ordinary adoption questions ("politburo model")	5/11/2020 4:54 AM
4	Lets get a better tool than webex	5/11/2020 3:57 AM
5	no	5/10/2020 9:19 PM
6	Thanks for asking these questions!	5/10/2020 11:55 AM
7	online meeting is a good practise	5/10/2020 12:07 AM
8	there should be also the choice for an avatar or set of badges to select from ... and some cookie receipts /beverage lists provided in advance to have a small talk topic ;-)	5/8/2020 9:38 PM
9	thank you to the IETF for adapting to these changes. As much as I enjoy the in-person meetings to provide focus away from my "day job", i can hopefully make this happen online as well.	5/8/2020 3:30 AM
10	Thanks for the hard work for IETF Admin.	5/8/2020 2:12 AM
11	Thanks a lot for this whole effort!	5/8/2020 1:10 AM
12	Virual meetings are hard due to time zones. IETFs are possible when traveling, but when normal life goes on at home, different time zones become a problem.	5/8/2020 12:20 AM
13	Keep Safe!	5/7/2020 8:14 PM
14	Prefer to in-person meeting, it is more efficient and productive.	5/7/2020 1:59 PM
15	No	5/7/2020 6:24 AM
16	Stay home, stay safe, stay healthy and let's get back on the road again so we can meet in person and get real work done.	5/7/2020 5:43 AM
17	Thanks for working on this!	5/7/2020 4:32 AM
18	1) How sure can I be that bob is bob when I chat with him? 2) in a private hallway chat, how private is it? 3) are non-private hallway chats considered as "public statement" in legal terms (see IPR policy). 4) how to keep trolls out of public hallway discussions? -- other than making everything private?	5/7/2020 2:16 AM
19	(1) Let's not get carried away with "the new normal" and such. That's crap. (2) a huge percentage of the in-person meeting cost relates to the in-person part. Hosting the meetings online MUST BE hugely cheaper (and less useful), so please don't think you can charge the same high fees. (3) The big difference with the online format will be that people will attend only the narrow set of sessions that are critical, and will not attend sessions where they might learn something or meet someone new. THAT is the real cost of online. (4) Please plan all IETF events after 2020 as "going to happen" in-person. COVID-19 is an aberration, if we fail to handle things like this after 2020, we have failed as a species. And we're not going to do that.	5/7/2020 2:13 AM
20	I am only involved in IETF since 18 month but I am amazed by the organization, thank you !	5/7/2020 2:03 AM
21	There are some things that can be done on-line - some that can't. IETF is as-much about the personal interactions as it is about anything else.	5/7/2020 1:33 AM
22	Earlier announcements on moving to online for the Fall IETF and increased transparency.	5/7/2020 12:16 AM
23	Share the love, we need to work on making it open and global. This means you!	5/7/2020 12:08 AM
24	Thank you for all your hard work during these trying times!	5/6/2020 10:49 PM

25	In-person meetings remain important. The number of in-person meetings per year SHOULD be at least two, better three. Virtual meetings to replace regular in-person meetings MUST only be used as a "work-around", in case an in-person meeting is impossible or unlikely to have a sufficient number of participants (e.g. due to world-wide travel restrictions as imposed in the context of COVID-19).	5/6/2020 7:49 PM
26	Consider the possibility that the world may have changed permanently, and that the IETF meetings should turn virtual permanently. I.e., don't just try to emulate a physical meeting for a limited limited time period, but think from ground up what kind of virtual operations would most effectively allow the IETF to reach its goals in the future. Virtual operations may in fact be more effective than physical operations, and this can be an opportunity to break out of the old local maximum towards a new global maximum. However unpleasant and heretical that might sound to some IETF veterans.	5/6/2020 6:43 PM
27	Good luck. Thanks for taking so much care	5/6/2020 4:22 PM
28	no. Thanks!	5/6/2020 2:12 PM
29	We wish the CoVID problem addressed smoothly throughout the world, and we can resume F2F meeting as soon as possible.	5/6/2020 1:04 PM
30	Thank you for giving this so much thoughtful consideration!	5/6/2020 12:26 PM
31	Thank you for all this effort	5/6/2020 12:24 PM
32	I want a virtual social event.	5/6/2020 11:57 AM
33	Thanks to everyone working on this issue. I'm sure it's a difficult task, and I appreciate the effort all of you are putting into it.	5/6/2020 8:31 AM
34	Hope to have real physical meeting soon	5/6/2020 7:35 AM
35	Due to unavoidable circumstances if online meetings are planned , it makes sense. but if we are going towards direction to replace in person meeting completely, its very bad idea. In person meeting can never be replaces by online meeitngs.	5/6/2020 7:33 AM
36	Please resume meetings whenever you can. It brings incredible value and always has been a catalyst.	5/6/2020 6:45 AM
37	Thanks for asking!	5/6/2020 6:14 AM
38	Good luck!	5/6/2020 5:55 AM
39	Consider finding some way for those who can pay, to voluntarily pay a little more. So those who can't pay can still participate.	5/6/2020 5:43 AM
40	With virtual meetings we have the flexibility of scheduling them such that max no of participants from across the world can attend. So please try to accommodate most timezones with fairness.	5/6/2020 5:40 AM
41	In-person meetings are so much more productive. Please resume them as soon as health conditions allow.	5/6/2020 5:29 AM
42	Good luck!	5/6/2020 5:19 AM
43	Good luck with this!	5/6/2020 3:43 AM
44	No, but thanks for asking.	5/6/2020 3:41 AM
45	Thanks for all the effort!!!	5/6/2020 3:22 AM
46	WebEx sucks. Having jabber and WebEx chat at same time is challenging ... too many tools.	5/6/2020 3:10 AM
47	Thanks for providing an online mechanism for remote participation. The work of IETF is critical for future technologies and having a way to communicate is integral to new and developing standards.	5/6/2020 2:57 AM
48	Many people from the outside see the IETF as a gentry in the best case and in some cases as driven by lobbies. You should clean that reputation up. Reputation is everything.	5/6/2020 2:57 AM
49	Use Meetecho and not Webex!!!!!!	5/6/2020 2:48 AM
50	thank you for the poll, I think it is useful, I did my best to reply.	5/6/2020 2:45 AM

51	Holding online and virtual meetings would actually make it easier for me and likely also others to participate.	5/6/2020 2:43 AM
52	I think the online and interim meetings are very important for all WG flavors of sessions.	5/6/2020 2:41 AM
53	This is an opportunity to make the IETF a bit more inclusive and not limited to people who are able and willing to travel several weeks per year all over the world.	5/6/2020 2:25 AM
54	It could be nice to have other options to participate. Like, a collaborative document where multiple inputs may apply at the same time. I am thinking in something related with NetMundial or maybe IGF High Panel on Digital Cooperation examples, where paragraphs and comments could lead to sub-comments of anyone in the world with an opinion. For example, you can mention a particular paragraph from a mailing list email.	5/6/2020 1:07 AM
55	Just thanks to everyone for all the hard work that went in to all the changes to make IETF107 happen and being far more productive than I'd hoped.	5/6/2020 12:59 AM
56	A mechanism for people to enter and leave a queue and for chairs to be able to manage that queue.	5/6/2020 12:54 AM
57	Good luck! This isn't easy.	5/6/2020 12:26 AM
58	Thank you for thinking about various options. You (IESG, LLC, IRSG chair, IAB) have a tough job.	5/6/2020 12:09 AM
59	I would love to have a face-to-face IETF meeting. It will continue tough situations, but let's all get through it. Please stay healthy!	5/6/2020 12:00 AM
60	This is an opportunity for the IETF to become more inclusive by better accommodating participants from developing countries and possibly un-funded participants from everywhere.	5/5/2020 10:17 PM
61	One important aspect of in-person meetings has been the possibility of unscheduled meetings and joint work. In the last years, though, this has become less useful because many people now choose to attend remotely.	5/5/2020 10:05 PM
62	You should have asked about people's appetite to travel internationally (once it's allowed) this autumn and next spring and summer.	5/5/2020 9:13 PM
63	Even though this is a disrupting time, it is too a real good opportunity to explore new ways to communicate and to learn the social aspects of online meetings	5/5/2020 6:43 PM
64	The webex experience is terrible. The meetings I participated had no video and this made it very hard to speak to the other participants because you can't get a read on how it's received.	5/5/2020 3:22 PM
65	The IETF used to be a place to learn, help, and coordinate. Now it seems like nothing gets done in WGs. I would hope that virtual meetings would allow for more meetings, planned in advance. With easier participation. For example, specific tool to allow for written comments or changes to drafts. I think it would help organize the development of a draft.	5/5/2020 1:42 PM
66	I think it will be good to have at least the next 3-6 IETF's planned to be virtual due to the expected virus recovery outlook worldwide.	5/5/2020 1:38 PM
67	Abandon all idea of meetings, virtual or otherwise. Replace with always-online, always-going virtual conversation. Should be based on Reddit-like hierarchical comments, not 40-year-old email tech with all of its problems.	5/5/2020 1:09 PM
68	I think the survey missed the mark. We should have outlined what the goals were here, and when offering options, it's impossible to answer when there's missing information, or ambiguity (like "we'll define the rules later" in the first set of questions). This was long and felt thrown together. Is there a plan here?	5/5/2020 11:58 AM
69	It is worthwhile to think about how IETF WGs handle their most controversial topics. Feedback from many virtual meetings indicates that blocking progress is easier than developing consensus among disagreeing parties. Lack of f2f side meetings really hurts progress (and that's another topic: how much is Virtual IETF slowing-down our work?).	5/5/2020 9:09 AM
70	Thank you, both volunteers and paid staff, for working to navigate these unknown waters.	5/5/2020 9:05 AM
71	Focus on the important business of the day, so meetings can be short and concise. Networking is an in-person thing, so online/virtual meetings do not need to be encumbered with trying to	5/5/2020 7:18 AM

cater for some of the nice-to-do things

72	thank you for investigating these potential world lines. ietf has become widely known for nonmeritorious outcomes dominated by vendors. the internet deserves broader technical representation.	5/5/2020 6:15 AM
73	thank you IESG.	5/5/2020 4:41 AM
74	Good luck, no good solutions. The IETF as we know it will change if we can't have face to face meetings.	5/5/2020 2:53 AM
75	No.	5/5/2020 2:45 AM
76	Thanks for the hard work. This is all so challenging, and we appreciate the efort and care that goes into it.	5/5/2020 2:09 AM
77	THANK you very very MUCH for making this, for your time, hard work and for making the Internet works better :-)	5/5/2020 12:35 AM
78	Thanks for putting so much thought into this questionnaire.	5/5/2020 12:27 AM
79	Thanks for doing this -- great to see the effort! It might help us to take the IETF to a next level.	5/4/2020 10:52 PM
80	Unless something significant happens, virtual is going to be the new normal. Hopefully we are Sharing best practise with other SDO. This is something that there should be a WG on. What is most disappointing is that if ever there was a time when we needed leadership from the IETF chair it is now and there has been zero communications. Now is a time when the IESG needs to be over communicating and yet seems to be content to let things drift to their fate.	5/4/2020 7:53 PM
81	Many thanks, that's what.	5/4/2020 7:41 PM
82	Please try to design some sort of tool that will generate the perfect meeting agenda for as many people as possible, with as little overlapping sessions as possible.	5/4/2020 7:35 PM
83	Thank You	5/4/2020 7:25 PM
84	Thank you for this survey - clearly, you have already put a lot of thought into this. I'm excited for our community to improve the state of the art of virtual conferencing.	5/4/2020 11:30 AM
85	Skip the meeting if possible	5/3/2020 11:27 PM
86	I appreciate your efforts to plan ahead and explore options.	5/3/2020 3:57 AM
87	Gotta keep going! Thank you all for every effort	5/2/2020 7:21 AM
88	I am also participating in 3GPP, and they are not handling CoViD-19 nearly as well as IETF (prioritizing BOFs and new working groups during the meeting week being the best example). Thanks to those who made the decisions on IETF 107, and please continue to prioritize opportunities for communities to form (HotRFC, side meetings, BOFs, proposed RGs, AD office hours, etc). All of us can send and receive-mail, once we find each other - that's the closest thing to a definition of "IETF membership" we have.	5/2/2020 7:02 AM
89	If IETF uses Zoom for anything, I will not be participating in that activity/session. News media on multiple continents are very clear that Zoom has numerous security and privacy problems. It seems extraordinarily unlikely they could fix even the published issues before Madrid, let alone any not-yet-discovered issues. If a web browser plug-in is required, I am much less likely to participate than if I can participate just using stock Opera or Firefox (or even MS Edge) without any plug-ins or need-to-install software. For virtual hallways, please seriously consider Jabber as a possible solution. Jabber works well. There are many Jabber clients one can choose from and virtually any modern computer/tablet/OS can support some form of Jabber. For session Q&A, please also seriously consider using Jabber.	5/1/2020 5:47 AM
90	Thank you for giving the community a chance to weigh in on these topics!	5/1/2020 5:23 AM
91	Don't ever try to schedule all online IETF meetings in American timezones only, or I will bring all my work to ITU.	5/1/2020 4:05 AM
92	Keep up the good work!	5/1/2020 3:42 AM
93	Good luck!	5/1/2020 3:20 AM
94	Thank you for putting together an intelligent and well-constructed survey. You asked (IMHO) the	5/1/2020 2:48 AM

right questions, and did not force me to give answers that I knew would be meaningless - well done!

95	This was too long, especially since multiple questions covered the same topic.	5/1/2020 2:10 AM
96	Thank you for the effort and great work!	5/1/2020 1:34 AM
97	Historically there has been an IETF in the middle of the Summer holidays. I really dislike that.	5/1/2020 12:49 AM
98	technology what do we need to be able to - hear - see slides - join the mike line hum given that I am using Windows and not Linux	4/30/2020 11:30 PM
99	I don't think virtual hallways work, so I wouldn't spend much time developing that idea.	4/30/2020 10:39 PM
100	Try not to replace in-person meetings. They are much more productive than online ones.	4/30/2020 9:18 PM
101	Thanks for organizing survey!	4/30/2020 7:03 PM
102	Assuming we're talking about meetings for ~ one year, I prefer WG-specific virtual meetings, rather than trying to mimic the physical IETF meeting. Cheaper and simpler.	4/30/2020 6:54 PM
103	Thank you, and stay healthy, please.	4/30/2020 4:49 PM
104	Thankyou for asking.	4/30/2020 3:53 PM
105	The on-line meetings are tremendous opportunities for IETF. On one hand, it helps to extend the community to those who couldn't afford the normal regiser fee and the cost of travel. On the other hand, more new technologies will be integrated into IETF meetings and decision making procedures after all these things/contents are going digital at real time. Look forward to seeing a new IETF :)	4/30/2020 3:04 PM
106	While I appreciate the financial challenges, I would think an IETF Slack would serve a lot of the hallway functions well.	4/30/2020 2:38 PM
107	I do see virtual meetings as heavily coupled with multiple interim meetings. In many case the continuous work is probably more efficient so I believe we should encourage virtual meetings as much as possible. I also think that virtual meeting should not try hard to replicate face-to-face meeting necessarily. Virtual / interim meetings are and will be different. This is a really nice opportunity we have. hanks you for the survey.	4/30/2020 2:34 PM
108	Good luck - this is not going to be easy ...	4/30/2020 1:30 PM
109	These are trying times. We'll get through it. So far, my COVID-remote experience with IETF has been excellent. Let's keep doing what we're doing and schedule the next in-person meeting for Prague so we can all go out and have beer and celebrate a return to normalcy.	4/30/2020 11:38 AM
110	Good luck.	4/30/2020 11:35 AM
111	Please use the current situation to come up with a future-proof IETF that does not require 3 physical meetings per year. Covid-19 will hopefully disappear sooner or later. The carbon footprint issue of global travel will not go away.	4/30/2020 11:27 AM
112	Thanks for doing this survey. And remember, an online IETF just isn't like f2f and we can't pretend it is, unless we're all given full body 3D immersive suits and a tank of cookies to roll around in. (with drummers)	4/30/2020 11:15 AM
113	I miss you guys, and I hope you are well!	4/30/2020 11:14 AM
114	I look forward to us all meeting f2f again.	4/30/2020 11:13 AM