Getting Ready for Energy Efficient Networking GREEN BoF
IETF 120, Vancouver

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Online Agenda and Slides:
https://datatracker.ietf.org/meeting/120/session/green
Note taking: https://notes.ietf.org/notes-ietf-120-green

THIS MEETING WILL BE RECORDED

IETF Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (https://www.ietf.org/contact/ombudsteam/) if you have questions or concerns about this.

Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
- https://www.ietf.org/privacy-policy/ (Privacy Policy)

Also see: http://www.ietf.org/about/note-well.html

IETF Conduct Guidelines

- The IESG has asked all chairs to remind their working groups of the need for appropriate behavior. This is described in more detail in BCP 54. In summary:
  1. IETF participants extend respect and courtesy to their colleagues at all times.
  2. IETF participants have impersonal discussions.
  3. IETF participants devise solutions for the global Internet that meet the needs of diverse technical and operational environments.
  4. Individuals are prepared to contribute to the ongoing work of the group.

Meeting Administrivia

- Meetecho:
  - We are using Meetecho queue control
  - Chat available for use via Meetecho/Zulip

- Note taking:
  - https://notes.ietf.org/notes-ietf-120-green
  - Note taker
    - Edwin Sutherland
    - Please help with minute taking
  - Please check that your comments are recorded correctly

- Session Materials: https://datatracker.ietf.org/meeting/120/session/green
- Zulip: https://zulip.ietf.org/#narrow/stream/green

Meeting Tips

In-person participants

- Make sure to sign into the session using the Meetecho (usually the “onsite tool” client) from the agenda
  - https://meetings.conf.meetecho.com/onsite120/?group=green&short=&item=1
- Use Meetecho to join the mic queue
- ***Keep audio and video off at all times***

Remote participants

- Use of a headset is strongly recommended
- ***Make sure your audio and video are off*** until it is your turn to speak

Agenda

1. Administrivia and chairs' introduction
   Chairs (10 : 10/120)
2. A word from the AD
   Mahesh Jethanandani (5 : 15/120)
3. An operator's desires and objectives
   Luis Contreras and Emile Stephan (10 : 25/120)
4. How does networking equipment use and report energy use?
   Tony Li and Andrew Lu (10 : 35/120)
5. What did the EMAN working group do and not do?
   Benoit Claise (10 : 45/120)
6. What the proponents think the WG should work on
   Qin Wu (10 : 55/120)
7. An introduction to the draft charter
   Marisol Palmero (10 : 65/120)
8. Open discussion (50 : 115/120)
9. Wrap-up and conclusion from the chairs and AD (5 : 120/120)

Purpose of this Meeting

- This is a working-group-forming BoF
  - The proponents have a draft charter and would like to create a working group
- A BoF seeks to answer questions for the AD
  - Is there a problem that needs solving, and the IETF is the right group to attempt solving it?
  - Is there a critical mass of participants willing to work on the problem (e.g., write drafts, review drafts, etc.)?
  - Is the scope of the problem well defined and understood?
    - Do people generally understand what the WG will work on (and what it won't) and what its actual deliverables will be?
  - Is there agreement that the specific deliverables (i.e., proposed documents) are the right set?
  - Is there a reasonable probability of the WG having success (i.e., completing the deliverables in a timely fashion)?
- We have almost an hour for discussion to determine these questions
  - Please limit the questions for each presentation to just clarification
  - Save the discussions for the open session

Advice from the Chairs

- Deliverables
  - Achievable
  - Relevant for the IETF
  - One or two year horizon
- Scope
  - Concrete over fuzzy
  - Don’t put all sustainability in one WG
    - Can create other efforts for routing or other designs
    - e-impact program will discuss unclear things
  - Start with the foundations that will enable future sustainability applications
- BoF should critically look at possible set of things that could be on the table
  - Choose things that fulfil these criteria
  - But not necessarily everything