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/](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)
IETF meetings, virtual meetings, and mailing lists are intended for professional collaboration and networking, as defined in the IETF Guidelines for Conduct (RFC 7154), the IETF Anti-Harassment Policy, and the IETF Anti-Harassment Procedures (RFC 7776). If you have any concerns about observed behavior, please talk to the Ombudsteam, who are available if you need confidentiality to raise concerns confident about harassment or other conduct in the IETF.

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If you believe you have been harassed, notice that someone else is being harassed, or have any other concerns, you are encouraged to raise your concern in confidence with one of the Ombudspersons.
IETF 117 Meeting Tips

In-person participants
- Make sure to sign into the session using the Meetecho (usually the “Meetecho lite” client) from the Datatracker agenda
- Use Meetecho to join the mic queue
- *Keep audio and video off if not using the onsite version*

Remote participants
- Make sure your audio and video are off unless you are chairing or presenting during a session
- Use of a headset is strongly recommended
Resources for IETF 117 San Francisco

- Agenda
  [https://datatracker.ietf.org/meeting/agenda](https://datatracker.ietf.org/meeting/agenda)
- Meetecho and other information:
  [https://www.ietf.org/how/meetings/preparation](https://www.ietf.org/how/meetings/preparation)
- If you need technical assistance, see the Reporting Issues page:
Resources for this session

Everything (agenda, slides, meetecho, chat room, notepad and more) should be reachable through links from:

https://datatracker.ietf.org/meeting/117/session/manet
1. Chairs' Introduction (5 min)
   - Note Well, etc.
   - Agenda bashing
   - Notetaker(s)
   - WG status / Welcoming new chair
2. Document status - chairs (5 min)
3. Presentation on potential new charter work item:
   - Sloppy Topology Updates for ad-hoc Routing Protocols (STURP) - (Zhe Lou, 20 min including discussion, https://datatracker.ietf.org/doc/draft-lou-manet-sturp/)
4. Presentation on potential new charter work item:
   - BABEL for IEEE 802.11 (Wi-Fi) Mesh - (Donald Eastlake, 15 min)
5. Rechartering discussion - all (15 min)
6. AOB - (time permitting)
MANET needs to recharter in order to be able to take on new work

The Babel WG will be closed down as soon as the last draft that the group is working on (draft-ietf-babel-rtt-extension) will be in the RFC Editor Queue.

‘Babel Maintenance & Extensions’ will then become a work item on the new MANET charter

Other Babel-related work, such as ‘Babel for IEEE 802.11 Mesh Mode’ may also be on the new charter (to be discussed by the WG!)

Despite a creative suggestion by Dave Täht, the rechartered WG will not be called Mabel 😊

Discussion on new charter items will be started in this session and continued on the ML

- Approach is to start from a long list and reduce this to a ‘manageable’ number of work items, based on WG participants interests
WG Document Status

- Credit-based flow control I-Ds
  - draft-ietf-manet-dlep-credit-flow-control
  - draft-ietf-manet-dlep-traffic-classification
  - draft-ietf-manet-dlep-da-credit-extension
  - draft-ietf-manet-dlep-ether-credit-extension
- These were expired, now revived (Thanks, Lou!)
- The first three are still under TSV ART early review, some smaller issues need to be resolved
- draft-ietf-manet-dlep-ether-credit-extension needs to be added to the pack
- Almost done with shepherd’s write-up for draft-ietf-manet-dlep-credit-flow-control
  - Preview: https://datatracker.ietf.org/doc/draft-ietf-manet-dlep-credit-flow-control/shepherdwriteup/
  - Write-ups for the other I-Ds will be almost identical
- Next step: RtgDir review
Individual I-D Status

- PHY-related DLEP extensions
  - draft-rogge-manet-dlep-radio-band
  - draft-rogge-manet-dlep-channel-utilization
  - draft-rogge-manet-dlep-radio-quality
- These were expired, now revived (Thanks, Henning!)
- A WG Adoption Call was done for draft-rogge-manet-dlep-radio-band in March 2022, outcome inconclusive
- Chairs will initiate a new WG Adoption Call for each of these I-Ds
- New: draft-lou-manet-sturp
  - To be presented in this session
Rechartering discussion - 1

Current charter (https://datatracker.ietf.org/wg/manet/about/), explicit work items:

- Develop a dynamic link exchange protocol (DLEP) – Done
- DLEP extension to provide a credit-windowing scheme for destination-specific flow control – Nearly done
- DLEP extensions for reporting statistics by traffic classification – Never undertaken; traffic classification is there, but not the reporting of statistics. Keep?
- Multicast MANET protocol framework based on Simplified Multicast Forwarding [RFC 6621] for scoped forwarding within MANET networks. As part of this framework the WG will produce a well defined MANET multicast forwarding information base (FIB) – Never undertaken; no real work on MANET multicast since last charter revision in 2016; ideas discussed during ROLL/Babel/MANET session at IETF 114. Keep?
- Document outlining challenges and best practices for deploying and managing MANET networks – Never undertaken, to be abandoned
The MANET WG is responsible for the maintenance of OLSRv2 [RFC 7181], NHDP [RFC 6130] and the Generalized MANET Packet/Message Format [RFC 5444], and their extensions – *Keep, no-brainer*. Potential topics:

- Guidance on OLSRv2 restart
- RFC 7779 (DAT Metric) to Proposed Standard
- RFC 7722 (Multi-Topology Extension to OLSRv2) to Proposed Standard
- Others?
Potential **new** work items on the revised charter:

- **DLEP Maintenance & Extensions** – **No-brainer**
- **Babel Maintenance & Extensions** – **No-brainer**
- **Babel for IEEE 802.11 (Wi-Fi) Mesh** – **For discussion**
- **Energy-efficient routing in MANETs** – **For discussion**
- **New approaches to multicast in MANETs** – **For discussion**
  - Bitstring-based (inspired by BIER)
  - Federation of heterogeneous MANETs with proprietary solutions
- **Autonomous / ‘asynchronous’ management for MANETs** – **For discussion, more speculative.** (Former AD: “I don’t want to see a DTNMA for MANET”)
- **Reactive MANET routing protocol** – **We failed before with AODVv2**
- Other topics that WG participants would want to work on?