

# MANET WG Update

Routing Area Open Meeting, IETF-112, 12 November 2021

# Personnel

- New (~ May 2021) co-chair: Don Fedyk



# What is MANET working on these days? (1)

- Mainly: Extensions to the Dynamic Link Exchange Protocol (DLEP, RFC 8175)
  - DSCP-aware credit-based flow control
    - Allows “modem” (radio) to throttle its local router (attached via ethernet)
    - More sophisticated than “control-plane-based” (RFC 8651)
    - Split into three I-Ds for maximum modularity (replace “DSCP-aware” by something else; change traffic classification criteria)
    - Post-WGLC, under TSV ART review
    - Some discussion on how to implement router-side: e.g. existing Linux Qdisc, new Qdisc? (Ideas welcome)
  - IEEE 802.1Q-aware credit-based I-D
    - Trailing behind the above-mentioned I-Ds; to be WGLC-ed now

# What is MANET working on these days? (2)

- More DLEP extensions, PHY-layer oriented
  - Radio Band, Radio Channel Utilization, Radio Quality
    - All authored by Henning Rogge
  - Ongoing discussion on what router can do with PHY parameters
  - Expect WG adoption of some or all
    - More reviews, please

# What else *should* MANET be working on? (charter + one co-chair's bias)

- Multicast in MANETs (+ FIB) (charter item)
- Challenges and best practices for ~~deploying and~~ managing MANET networks (charter item, informational)
  - Eyeing Asynchronous Management Architecture in DTN WG
- Maintenance of OLSRv2 (RFC 7181 and friends) (charter item)
  - Informational I-D on router reboot issue was suggested
- DLEP clarifications / implementer's guidance document
  - Motivation presented at IETF-110; looking for volunteers
- DLEP-related work which might be coming our way from RAW
- Routing overlay for federated heterogeneous MANETs (not in charter)

Thanks! Questions?

