SCHC for 802.15.4w

- draft-authors-lpwan-schc-802154-00 submitted Monday evening
- Not an official IEEE 802.15.4w publication, but a result of interest from the task group
- Written from perspective of using native 802.15.4 fragmentation, so SCHC parameters are not needed.
- Could become a work item within SC IETF
SCHC Parameters specified

- Size of the Rule ID = 3
- Use of Padding to byte boundaries
- L2 CRC – either 16 or 32, but 32-bit preferred
- Fragmentation at layer-2 – not needed:
  - Fragmentation Delivery Reliability Option
  - Fragmentation ACK Parameters
  - MAX_ACK_REQUEST
  - FCN
  - DTag
- https://mailarchive.ietf.org/arch/msg/lp-wan/SexnleQwBTL7XZ9-hC2h7tp79KU
Other 802.15.4w status

- 4 MAC layer proposals & 2 PHY layer proposals received for improving 802.15.4 to meet the needs of LPWA use cases
  - LDPC (Low Density Parity Check) for LPWA / Sony
  - Scalable Multiple Access Frame Structure / KAIST
  - MAC Proposal for 802.15.4w Standard / KAIST, ETRI
  - TSMA preview for 802.15.4w / Fraunhofer IIS
  - Single-hop LPWA Repeater for Harsh Environment
  - Priority-Based CSMA/CA for LPWA