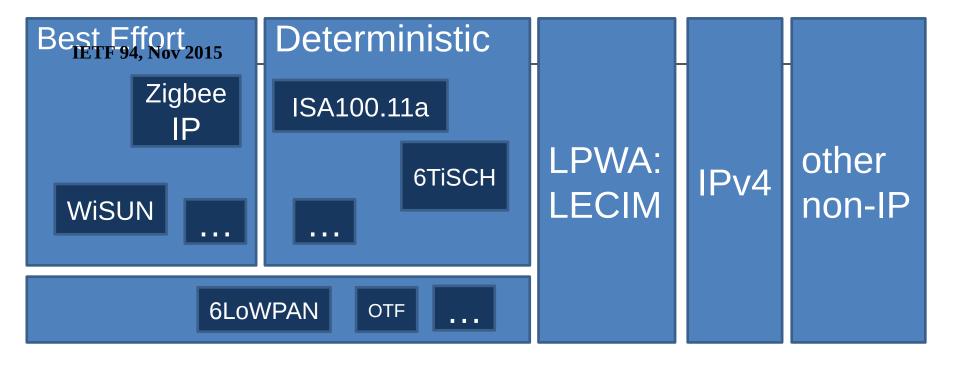# IEEE 802.15.llc
(Proposed work on Logical Link Control)

- Study Group meets next week; target acceptance of PAR / CSD in March
  - Want input from IETF for the SG meeting
- For 802.15.4 to make it as easy to use as 802.11 (WiFi) and 802.3 (Ethernet)
  - Enable use of the higher layer protocols used by IEEE 802.11 and IEEE 802.3 without changes
  - New applications & backward compatibility
- Provide LLC for KMP, L2R

Slide 1 Charles Perkins [acknowledge Pat Kinney]

Best Effort

IETF 94, Nov 2015

Zigbee IP

WiSUN

…

Deterministic

ISA100.11a

6TiSCH

…

6LoWPAN   OTF   …

LPWA: LECIM

IPv4

other non-IP

New LLC work

IEEE 802.15.4 MAC   CSMA   TSCH   …

IEEE 802.15.4 PHY   2003   4g   4k   …

Charles Perkins [acknowledge Pat Kinney]

Prioritized Functionality (first release)

1. Protocol differentiation (dispatch)

2. Align 802.15.9 and 802.15.10 with LLC

3. Architecture to provide extendibility

4. Regulatory configuration, e.g. PHY Configuration as per country of operation, Device class, Duty cycle constraints, CCA settings (time, threshold, mode)

5. L2 protocol extensions from other organizations, e.g. IETF 6TiSCH 6top, Thread™

Charles Perkins [acknowledge Pat Kinney]

Links for LLC information; Proposed Timeline

- https://mentor.ieee.org/802.15/dcn/15/15-15-0838-00-0llc-ietf-intarea-presentation-introducing-802-15-llc.pptx

- https://mentor.ieee.org/802.15/dcn/15/ - pick SG LLC for all LLC documents

- Next Week: Study Group (SG) discuss input from IETF, review PAR and CSD

- January Interim: SG Submit PAR & CSD

- March Plenary: EC approval
  - If not in March, then not until July

- Projected Date for Sponsor Ballot:12/2017

- Projected Completion: 08/2018