RAW Technologies
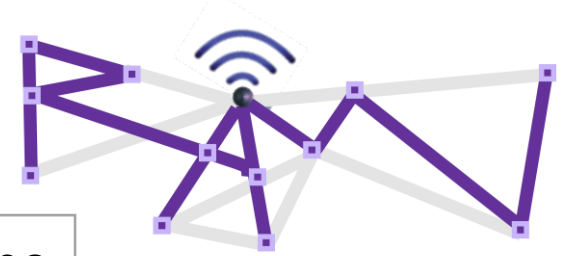
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Authors: multiple

draft-ietf-raw-technologies

Why this draft?

RAW needs an L3 abstraction for reliable and available parallel paths

Illustrate Recent Progress in multiple radios

⇒ Parallel evolution towards time/frequency "resource blocks" / "RUs" / Timeslots

⇒ Increasing capabilities to schedule (towards determinism)

⇒ Better throughput and higher reliability for 1 hop, latency bounds

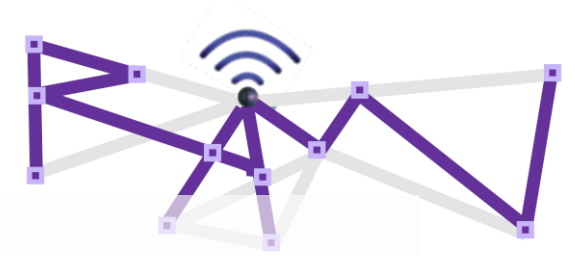## Present Technologies elected by RAW to enable WG work

⇒ Wi-Fi 6 and beyond (IEEE Std 802.11ax / be)

⇒ IEEE Std 802.15.4 TSCH

⇒ 3GPP 5G

⇒ LDACS (Air-to-Ground and Air-to-Air plane communication)

Per-Technology Section Structure

X. Tech name

- X.1. Provenance and Documents

- X.2 General Characteristics

- X.3. Applicability to deterministic flows

Document Status
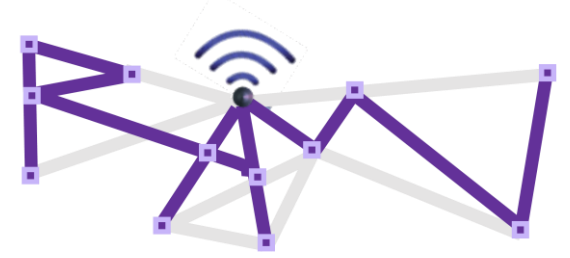
Document adopted as WG Doc

Last version draft-ietf-raw-technologies-01

Going for WGLC

    $\Rightarrow$ Quite complete already

    $\Rightarrow$ 5G has more information; emulate in others?

    $\Rightarrow$ Notes on IPv6 / SRv6 ?

    $\Rightarrow$ Update for the latest Wi-Fi 7 / TSN ?

Open discussion
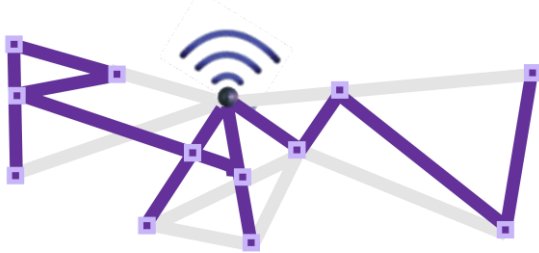
Additions?

⇒ Missing topic (see 5G example next slide)?

⇒ More on RAW problem statement?

⇒ Right now we have only a discussion on scheduling:

```
1.  Introduction  . . . . . . . . . . . . .
2.  Terminology . . . . . . . . . . . . . .
3.  On Scheduling . . . . . . . . . . . . .
  3.1.  Benefits of Scheduling on Wires . . .
  3.2.  Benefits of Scheduling on Wireless  .
4.  IEEE 802.11 . . . . . . . . . . . . . .
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What Next?

⇒ Maybe a pre WGLC reviewer (or 2)