

# Hybrid-MAC Model for CAPWAP

**draft-ietf-opsawg-capwap-hybridmac-00**

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# Background

- Presented during last IETF 86<sup>TH</sup> meeting, get support from audience.
- WG LC after IETF meeting, adopted as WG document.
- Thanks kind review and comments from Dorothy Stanley, updated draft accordingly
- Review invitation to Behcet Sarikaya with the result of support

# Comments from Dorothy Stanley

- Normative references should include RFC5416 (802.11 binding protocol) and the material in Figures 1 and 2 should refer to RFC5416.
  - Agreed, have been changed in the latest version

# Comments from Dorothy Stanley

- No changes to the CAPWAP RFCs are required.
  - Yes

# Comments from Rajesh Pazhyannur

- It appears that you are proposing a new MAC mode which is very similar to Split MAC mode except that it requires

Scheduling to **\*only\*** at the WTP (instead of allowing it additionally at AC)

Encryption to **\*only\*** at the WTP (instead of allowing it additionally at AC)

- If so, does this require defining a new MAC mode in addition to existing Split MAC and Local MAC
  - Will write a separate draft about the definition this new mode or change from informational to standard track.

# Comments from Rajesh Pazhyannur

- The Hybrid MAC mode seems to require fragmentation to be done only at the AC. This choice is a little unclear.
- Wouldn't the upstream traffic continue to be fragmented by the WTP while downstream traffic be fragmented at the AC.

– Other comments

# Comments from Rajesh Pazhyannur

- Are you considering variants of the Split MAC mode where the MAC is split (for example association responses come from the AC) while the traffic is locally bridged.
- For example this appears to be precluded by text in 5416:
- *In a Split MAC Architecture, the Distribution and Integration services reside on the AC, and therefore all user data is tunneled between the WTP and the AC. As noted above, all real-time IEEE 802.11 services, including the Beacon and Probe Response frames, are handled on the WTP.*
  - Ok, Distribution and Integration services will change from AC to WTP.

- Change from information to standard track by including a normative work, define a digital 2 for hybrid mac?

# Thank You

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