

IEEE P1904.3 TF Radio over Ethernet update

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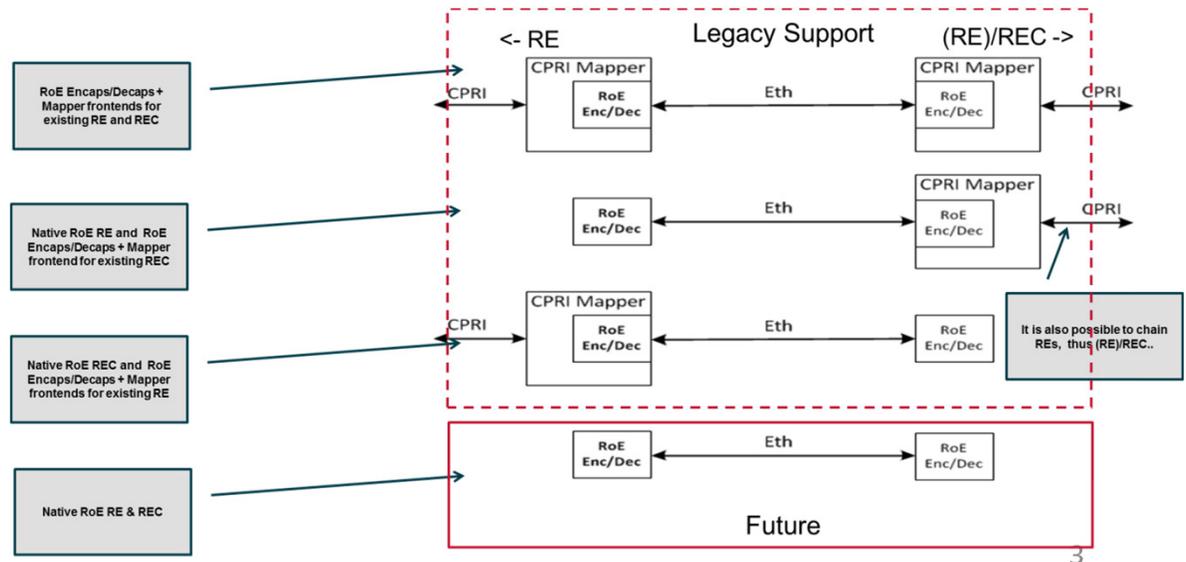
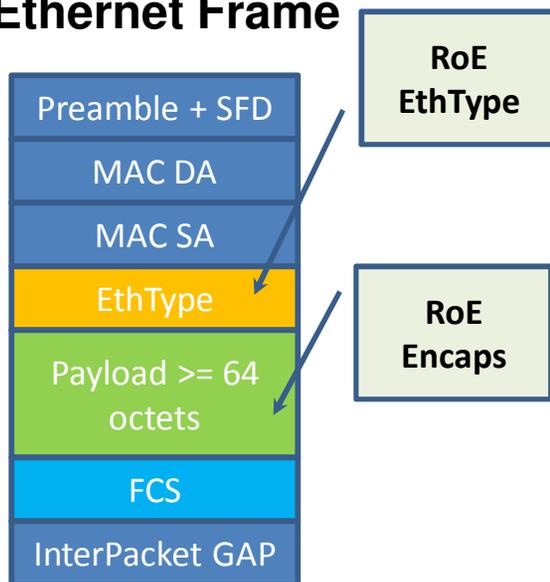
Disclaimer

- This is not an official IEEE 1904 WG output; just an informal update what is happening regarding Radio over Ethernet in IEEE P1904.3.

What is IEEE 1904.3 TF and RoE?

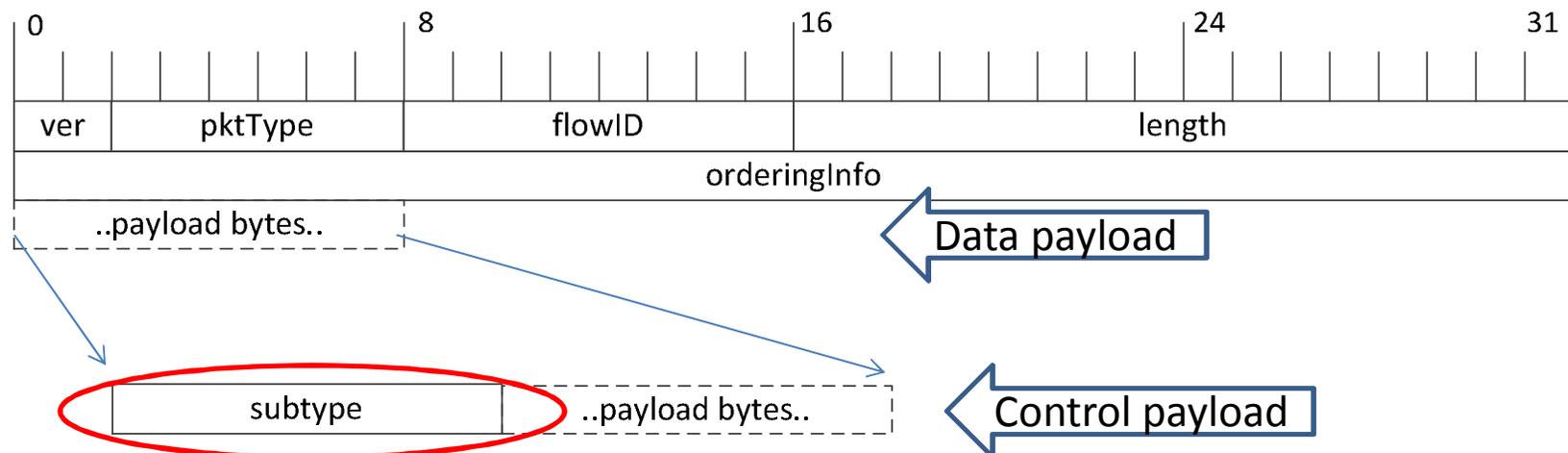
- IEEE 1904.3 specifies transport protocol and an encapsulation format i.e., RoE for transporting time-sensitive wireless radio related application streams between two endpoints over Ethernet-based transport networks.
- IEEE 1904.3 also specifies mappers from current CPRI to native RoE and vice-versa but is not limited to CPRI.

Ethernet Frame



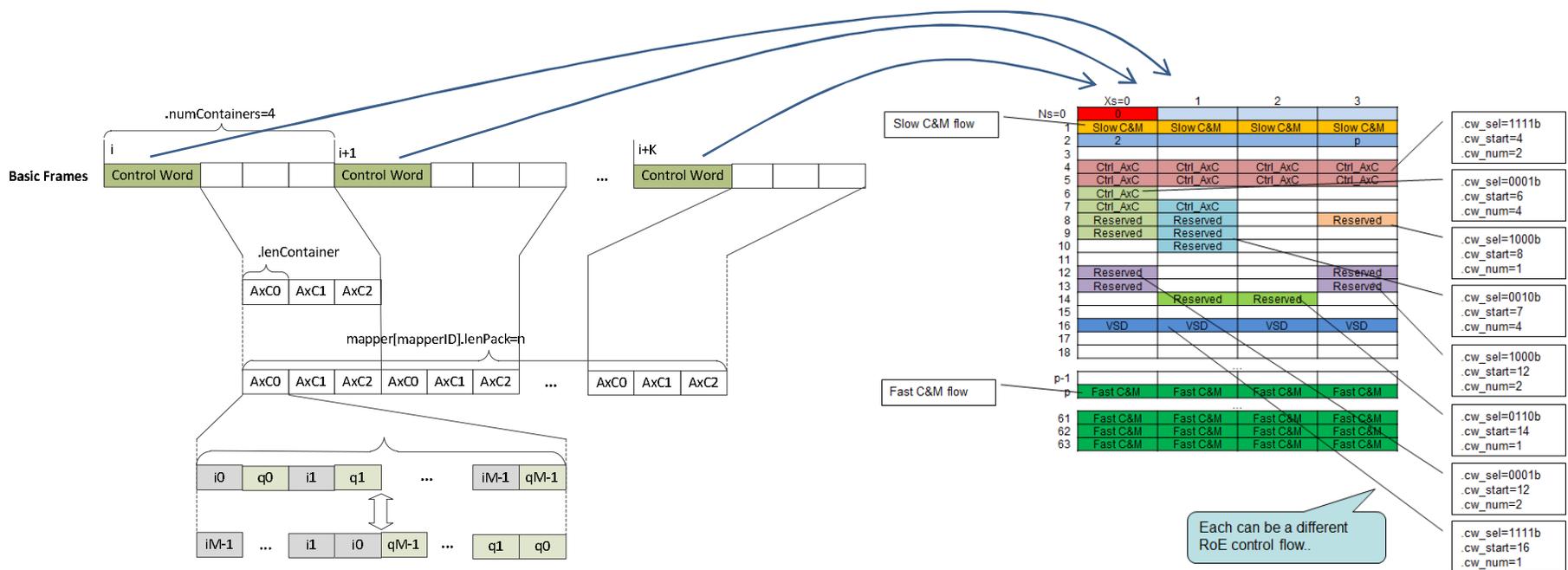
Status

- Draft D0.3 available (editor's in-progress version).
 - http://www.ieee1904.org/private/3/drafts/tf3_drafts.shtml
 - Still a lot of details, fixes and “text for good flow” to be add.
- Header format and basic packet formats have stabilized.
 - Data (stream) packets and control packets.
 - Header field related rules & processing agreed.



Status cont'd

- Mappers, related “description language” and packetization rules reaching conclusions.
 - Three mappers currently: tunneling, CPRI structure agnostic and CPRI structure aware.
 - Fast C&M, Slow C&M and VSD/Ctrl_AxC sub-channels also extractable to multiple flows using structure aware mapper.



Q & A



More data available:

<http://www.ieee1904.org/3/index.shtml>