Comments for <Exploration of deterministic networking from service provider's perspective>

https://www.ieee802.org/1/files/public/docs2021/df-jiaxq-service-provider-exploration-on-determinitic-networking-0521-v0.pdf

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Two comments - 1

Service providers like to have end to end solution, not part of TSN, part of 5G, part of deterministic Wi-Fi. And 5G + TSN(deterministic networking) is definitely on top list of near term development.

That's why we see 5G scenarios in all examples here. But in each one, deterministic carrier network is involved and needs to provide bounded latency and jitter and high reliability. (I did not include time sync accuracy here since it is more of IEEE 1588 discussion)

That's why in DF text, we list three requirements to satisfy, on latency, on jitter and on reliability.

Two comments - 2

- DF D0.1 suggests to have three profiles, one for bounded latency, one for bounded jitter, and one for reliability.

- Question: In a scenario with all three requirement, what shall be suggested?

- Discuss:
  - ➢A network with jitter control will "automatically" get bounded latency.
  - ➢Average delay in jitter control network always has larger average delay than bounded latency network.

Thank you!