Quality of Service:
AVB "support" for PRI QoS

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Presented by: Philippe Klein, Broadcom

Priority QoS vs. Parametrized QoS (1)

- **The issues:**
  - Not every network physical medium is really Paramterized QoS (PQoS) able.
  - Prioritized QoS is the most common QoS today. PQoS is gaining acceptance on PQoS-able medium but the acceptance will be very gradual over Priority QoS.
  - Using different Stream management Protocol for QoS and PQoS will affect the acceptance and deployment of AVB…

Priority QoS vs. Parametrized QoS (2)

- **The proposal:**
  - Same SRP protocol for both Prioritized and Parameterized QoS
  - Add a new Prioritized/ Parameterized QoS attribute of toTalker Advertise to characterize the stream
  - The **same** LR MAD_Join.request primitive is handled differently in fct of the Stream's Prioritized/ Parameterized QoS attribute:
    1) For Pri QoS: LR MAD_Join.request is translated to a network specific **BW ADMISSION** (based on PRI stream traffic statistics)
    2) For Param QoS LR MAD_Join.request is translated to a network specific **BW RESERVATION**
  - Both PRI and Param QOS Streams could be managed on the same path relative to the configured BW ratio between PRI and Parametrized QoS

"AVB Ready" Bridges

- "AVB Ready" bridges could be bridges supporting SRP for Prioritized QoS in the first stage until PQoS Stream management is added at a later stage

- Question: What is the best way to promote "AVB Ready" ?

  - An informative new profile in BA ?

  - Or…

Thank you