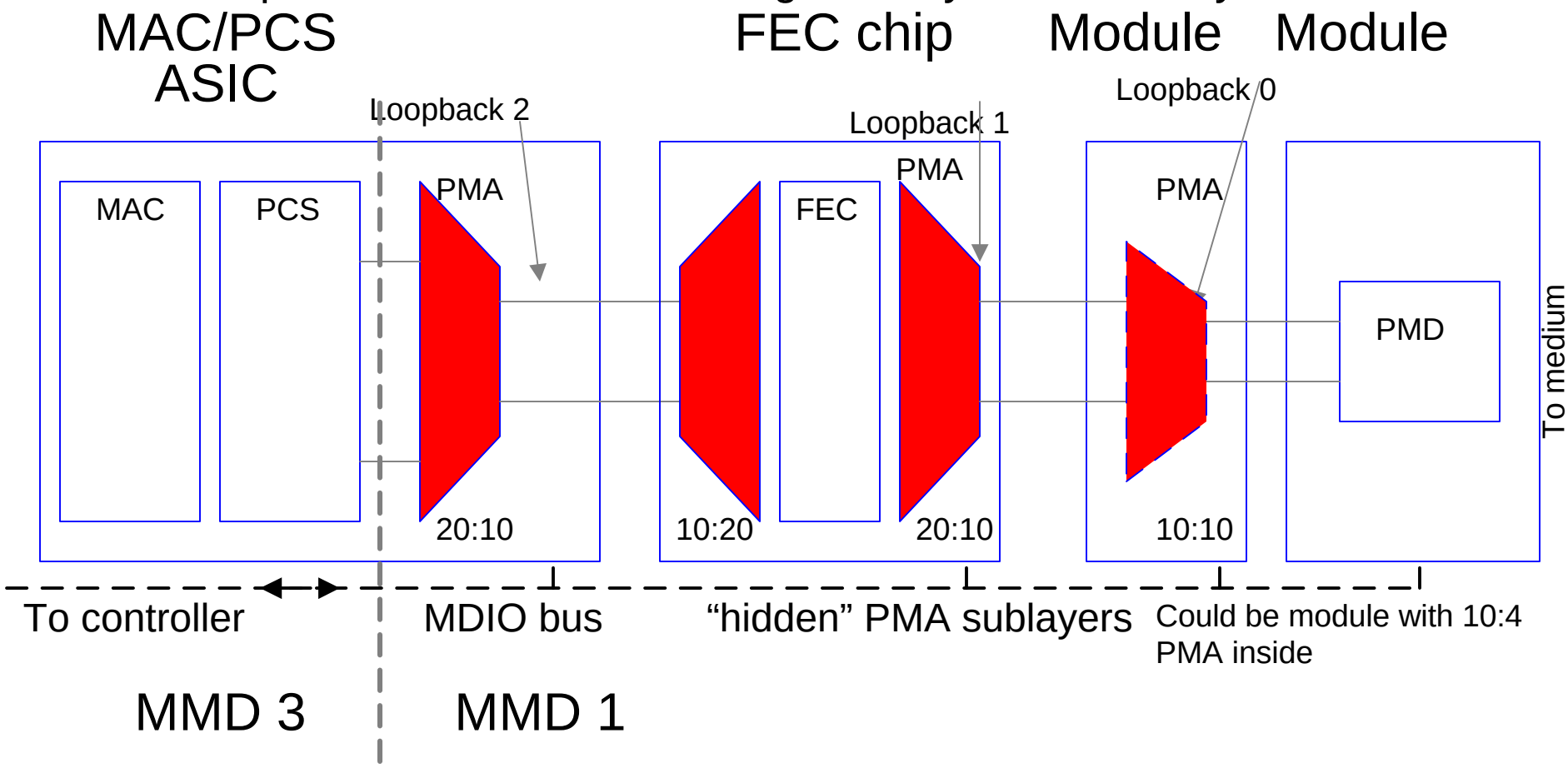
MMDs, delay specs and loopback to support physical partitioning options

Piers Dawe Avago Technologies
Hugh Barrass Cisco

Multiple PMA locations

- Four PMAs in three separate packages to be managed
- Four PMAs, FEC and PMD (in three packages) sharing one MMD number!
- Nine separate vendors contributing to delay, skew and dynamic skew



Addressing options

- Either
  - Keep device 1 as the PMD
  - A new MMD number for the PMA nearest the PMD
- Or
  - Have device 1 as the PMA nearest the PMD
  - A new MMD number for the PMD
- Or
  - Keep device 1 for PMD and all PMAs
  - Use a subordinate address for PMAs not co-packaged with PMD or other PMAs

- Either
  - Several more MMD numbers for other PMAs, or registers within the PMA to declare what kind it is, and facing which way (e.g. 20:10 or 10:20)
- Or
  - Indirect method; use a subordinate address so all PMAs share one primary address
- See comment 368 where two options are shown; one in *SuggestedRemedy*, other in *Proposed Response*

Delay, skew and Dynamic Skew

- Specify skew and Dynamic Skew separately for PMA and PMD sublayers, each direction separately
- If continue to specify delay, do it properly
  - Sublayer by sublayer
  - Each direction separately
  - See gustlin_0x_1108 and several comments

- Dynamic Skew is known as Relative Wander in OIF CEI and SFI-5.1