COM Reference Update v4.6 – July 2024

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List of Commit Requests (1/2)

Commit Request #	Submitter	Description	Proposed Disposition
4p5_1	Rich Mellitz	• Implement function for MLSD described in Annex 178A • Remove access to untested MLSE code • And subsequent reporting requirements • Add new config parameters to support MLSE	Accept
4p5_2	Adam Healey	• The location of the cursor sample (or the number of channel pre-cursor samples dh), is not always correctly identified in functions MMSE() and get_PSDs().	Accept

List of Commit Requests (3/3)

Commit Request #	Submitter	Description	Proposed Disposition
4p5_3	Upen Reddy Kareti and Ali Ghiasi	• The NEXT lengths and voltage values for the package is supposed to come from the receiver package. However, the current version of COM takes lengths from the transmitter package (this is incorrect) and the voltages from the receiver (this is correct) • Minimal impact observed. ~0.2dB	Accept
4p5_4	Upen Reddy Kareti and Ali Ghiasi	• The reported location of floating taps does not match the locations of the reported coefficient values	Accept

Summary

- Participants are asked to use 4.6 COM code going forward
  - **Includes commit requests 4p5_1 to 4p5_4**

- Switching gears to COM configuration definitions
  - Initial AUI C2M contribution provided by Rich and located on the COM ad hoc webpage

- Send bug reports or functional issues to Kent and Rich
  - Or bring them to the COM ad hoc