

P802.3bs Electrical Track Closing Report

September 12th – 13th 2016 Fort Worth Tx

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Progress

- Electrical Track Comment resolution
 - Resolved all 33 comments for Annexes 120D & 120E allocated to the electrical track
 - Met for $270+190+200=660$ minutes.
 - 4 presentations
 - 20 minutes per comment.
- Thanks to the Electrical track members for their hard work in preparation for and during this meeting

Items decided upon

- Adopted updates to Linear fit and SNDR measurement methodology and restructured subclause 120D.3.1
- Changed from J5 jitter to J4 jitter, and corrected the definition of the mapping of measured jitter parameters to σ_{RJ} and A_{DD}
- Jitter and SNDR measurements will use un-correlated patterns on other lanes
- Extended the characterization range of test fixtures and MCB/HCB to 26.5625 GHz (from 25GHz)
- Removed Vertical Eye Closure specification
- Removed Host and Module eye width specifications as this is already covered by their respective ESMW specifications
- Reduced host output eye size to (32mV/0.22UI) in Table 120E-1

Areas for further work

- Changing Jitter measurement test pattern to PRBS13Q
- Assessing C2M margin with realistic connector crosstalk
- Accounting for uncontrolled ISI in SNDR measurements.
- Changing Module output transition time (min) spec to a slew time spec