

Receiver Common-Mode Noise Rejection ad hoc report

IEEE P802.3bq 25G/40GBASE-T Task Force

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Rx CMNR ad hoc charter/scope, deliverables and status

- Charter/Scope and Deliverables

- Investigate the receiver common mode noise rejection (Rx CMNR) test, also known as the cable clamp test, and define an appropriate requirement for 40GBASE-T PHYs.
- Develop corresponding text for IEEE P802.3bq, subclause 113.5.4.3 Common mode noise rejection and any associated Annexes.

Done!
Done!

We are here!

- Status

- Completing technical work in the ad hoc to refine details of implementation and address comments received in future ballots.
- Focusing on comments received against Clause 113.5.4.3 and/or Annex 113A, including any changes to Annex 113A for P802.3bz which have been commented to 802.3bq

Rx CMNR ad hoc activity since Waikoloa meeting

- Three Rx CMNR ad hoc calls – August 19th, September 2nd and September 10th, 2015.
- Meeting minutes and contributions are available at the 40GBASE-T website [Receiver Common-Mode Rejection ad hoc area](http://www.ieee802.org/3/bq/public/rxcmr/index.html) (<http://www.ieee802.org/3/bq/public/rxcmr/index.html>)
- Meeting highlights
 - Continued P802.3bz ENUCA discussion of a CMNR test for 2.5G/5GBase-T, (hopefully) facilitating alignment between .bq and .bz
 - Heard contributions related to measurements of cable RF ingress in an anechoic chamber
 - Reviewed and discussed .bq and .bz comments against Annex 113A and reviewed proposed changes to the Annex with discussion
 - Initiated [802.3_NGBASET] reflector discussion, including an Annex 113A “sandbox” workbook and an accompanying working document for Annex 113A changes
 - A contribution summarizing ad hoc work on Annex 113A will be shared in this P802.3bq Task Force meeting

Rx CMNR ad hoc next steps

- Further work
 - Implement “final” changes in Annex 113A based on comments received against P802.3bq and P802.3bz
 - Goal is to complete the work of the ad hoc at/in conjunction with the September meeting, then “hibernate” and address comments received in future ballot(s) as needed
- Next meetings
 - Meetings will be scheduled on alternate Wednesdays at 9:30AM PDT between now and the November Plenary meeting
- Thanks to all ad hoc participants and contributors – and remember... you, too, can be a contributor!

Thank You!