

# Receiver Common-Mode Noise Rejection ad hoc report

IEEE P802.3bq 40GBASE-T Task Force

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Rx CMNR ad hoc chair

Waikoloa, HI – July 2015

# Rx CMNR ad hoc charter/scope, deliverables and status

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- 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!

- Status

- Continuing technical work in the ad hoc to refine details of implementation and address comments received in future ballots.

We are here!

# Rx CMNR ad hoc activity since Pittsburgh meeting

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- One Rx CMNR ad hoc call – July 8<sup>th</sup>, 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
  - Reviewed and discussed comments received against Clause 113.5.4.3 and Annex 113A.
  - Reviewed proposed changes to Annex 113A with discussion.
    - Many proposed changes were viewed as friendly and improve the quality of the Annex.
    - Some require further review with the originator.
  - Agreed to update Annex 113A text to allow re-use by other MultiGBASE-T standards.
    - Final text will be developed and reviewed in upcoming ad hoc meetings.

# Rx CMNR ad hoc next steps

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- Further work
  - Continue technical work to finalize any details of implementation in Annex 113A and update for reuse by MultiGBASE-T standards.
  - Goal is to complete the work of the ad hoc before 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 September Interim meeting.
- Thanks to all ad hoc participants and contributors – and remember... you, too, can be a contributor!

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# Thank You!