

# Receiver Common-Mode Noise Rejection ad hoc report

IEEE P802.3bq 40GBASE-T Task Force

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Rx CMNR ad hoc chair

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# Rx CMNR ad hoc charter and scope/deliverables

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- 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 98.5.4.3 Common mode noise rejection and any associated Annexes.

# Rx CMNR ad hoc activity since Kanata meeting

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- One Rx CMNR ad hoc call – October 22nd
- Meeting minutes and contributions are available at the 40GBASE-T website [channel modeling ad hoc area](http://www.ieee802.org/3/bq/public/rxcmnr/index.html)  
<http://www.ieee802.org/3/bq/public/rxcmnr/index.html>
- Meeting highlights
  - Defined charter/scope and deliverables
  - Reviewed areas for discussion & investigation, relevant previous contributions, and a “shopping list” of things needed to move the work of the ad hoc forward
  - Contribution on 40GBASE-T EMC included a proposal for an alternative test/methodology to assess the EMI suppression quality of magnetics, connectors and cables in a setup that is related to required EMC tests

# Rx CMNR ad hoc next steps

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- Further work
  - Review contributions related to improving and augmenting the existing test, replacing the existing test, or deleting the existing requirement as we work through our “things needed” list
- Next meetings
  - Face-to-face at November Plenary (Wednesday, November 5<sup>th</sup>, 10:00AM – noon)
  - Virtual meetings will be scheduled starting November 19<sup>th</sup>, 2014 on alternate Wednesdays at 8:00AM PST between now and the January interim meeting
- Thanks to all ad hoc participants and contributors – and remember... you, too, can be a contributor!

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# Thank You!