

Thoughts on an Annex 113A “Technical Tutorial”

IEEE P802.3bz ENUCA and P802.3bq RxCMNR ad
hoc

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Things to Consider

- Why a “Technical Tutorial?” (Goal/Why)
- Timing (When & Where)
- Content (What)

Why a “Tutorial”?

- Provide a consolidated repository/record of technical work on the cable clamp test that has been presented in the P802.3bq Rx CMNR and P802.3bz ENUCA ad hocs.
- Provide guidance to practitioners
 - Relationship between normative clauses and informative annex(es).
 - Best practices when using cable clamp test methodologies
- Note – Name is up for discussion; per Dave Chalupsky “tutorial” has a specific connotation in IEEE 802.3

Timing (When & Where)

- Some technical work is under way
 - “Clean slate” view of Clauses 113.5.4.3, 126.5.4.3 and Annex 113A
 - Others?
- IEEE meeting considerations
 - IEEE 802.3 November Plenary (Dallas) is too early for that work to be completed and summarized
 - IEEE 802.3 January Interim (Atlanta) is a more realistic target
- Other considerations
 - Coordination with discussions around a MultiGBASE-T tutorial
 - Is there another venue/forum (webinar? T&M white paper?)

Content

- Introduction/Background
 - What do the normative clauses address – e.g. why do we have rejection of external EM fields/common-mode noise rejection specifications?
- Relationship between the normative specifications and the informative annex(es)
 - How the normative & informative text work together
- Cable clamp methodology
 - Overview of the clamp methodology; use in IEEE and other standards
- Annex 113A review/walk-through
 - What's in the Annex
- Using the Annex
 - Best practices for calibration, validation, and testing
 - Example of a system-level test (start to finish)

Thank You!