

COM Reference Update v4.7 – November 2024

Kent Lusted, Independent/Self, IEEE P802.3dj Task Force Electrical Track
Chair

Rich Mellitz, Samtec

List of Commit Requests (1/2)

Commit Request #	Submitter	Description	Disposition
4p6_1	Rich Mellitz	<ul style="list-style-type: none">• Change MLSE_U1_c_178A code module to align with shakiba_3dj_01_2407• New Keyword added N_tc which defaults to 32 if not set. Thus, having no effect if not present in the configuration file	Accept
4p6_2	Rich Mellitz	<ul style="list-style-type: none">• Change MLSE_U1_c_178A code module to align with healey_3dj_01a_2407	Revised
4p6_3	Rich Mellitz	<ul style="list-style-type: none">• Change read_ParamConfigFile code module to align clean up package syntax in configuration spreadsheet to no longer require dummy Zp and Zc entries	Accept

List of Commit Requests (2/2)

Commit Request #	Submitter	Description	Proposed Disposition
4p6 4	Hossein Shakiba	<ul style="list-style-type: none">MLSE Sequence Truncation Feature	Revised
4p6 5	Hossein Shakiba	<ul style="list-style-type: none">Quantization Noise Feature	Defer
4p6 6	Rich Mellitz	<ul style="list-style-type: none">Align to D1.2 Annex 178A MLSD	Accept

“Revised” Items

- 4p6_2:
 - Overtaken by events. The proposed change in this request is no longer relevant due to changes in IEEE P802.3dj D1.2 Annex 178A
- 4p6_4:
 - Overtaken by events. The proposed change in this request is related to 4p6_2. The technical change in the request is the same as that described in 4p6_1. The “editorial” request for additional reporting of parameter outputs was not implemented in version COM 4.7

“Deferred” Item

- 4p6_5:
 - There was broad support to implement the proposed change in this request. However, the ad hoc participants agreed that there was a likely impact to quality if this code change was rushed.
 - This request will become 4p7_1

Summary

- Participants are asked to use COM v4.7 code going forward
 - **Includes commit requests 4p6_1 to 4p6_4, 4p6_6**
- Work on commit request 4p6_5 schedule after November 2024 plenary
 - Expect a beta release via COM ad hoc
- No configuration spreadsheets are included in the COM 4.7 distribution
 - Item for future work and contributions
- Send bug reports or functional issues to Kent and Rich
 - Or bring them to the COM ad hoc

Change Management Guidelines

Proposed *Short-term* COM Code Change Management Guidelines (WIP)

- Managed at the Task Force level via COM ad hoc for the short-term
- Steps
 1. Requests for changes to the COM code are sent to Kent and Rich as a “Commit Request”
 - Brief title, submitter, description of desired change, suggested remedy
 2. Commit Requests are assigned a number associated with the COM version
 - For tracking purposes
 3. Commit Requests are introduced in the COM ad hoc
 - Details are discussed, if time allows
 - Specific code changes are provided to participants by website or reflector (TBD)
 4. Participants review the Commit Request(s) offline between the COM ad hoc meetings
 - Use of the 3dj electrical track reflector is encouraged for discussion and debate on Commit Requests
 5. A straw poll on a Commit Request is taken at a future COM ad hoc meeting to gauge support
 - If there was support, then a Commit Request becomes part of the next formal COM code release

IEEE P802.3dj Task Force, May 2024

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https://www.ieee802.org/3/dj/public/24_05/lusted_3dj_03_2405.pdf

Request Dispositions

Proposed *Short-term* COM Code Commit Request Dispositions (WIP)

- Managed at the Task Force level via COM ad hoc for the short-term
- Proposed short-term disposition designations for COM code commit requests were leveraged from the IEEE SA Balloting and Comment Resolution Process Guidelines
 - <https://standards.ieee.org/wp-content/uploads/import/governance/revcom/guidelines.pdf>
- Disposition Designations:
 - **Accepted:** The group agreed exactly with the commit request and change proposed by the submitter.
 - **Revised:** The group agrees with the commit request (at least in part) and implements a change that is not exactly what the submitter proposed.
 - **Rejected:** The group does not agree to make the change, or cannot come to a consensus to make changes necessary to address the commit request
 - **Deferred:** The group is unable to review or implement the commit request within the specified timeline for the next release
 - **Incomplete:** The commit request is missing details.

IEEE P802.3dj Task Force, April 2024

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https://www.ieee802.org/3/dj/public/24_05/lusted_3dj_03_2405.pdf