

Channel Operating Margin (COM) Code Change Management Guidelines Proposal

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Migrating COM Code towards Software Development Processes

- The COM code would benefit from using software development processes and procedures
- If the COM code becomes an open source project, then the contribution, review and approval processes and procedures will need to be created, reviewed, and approved by the stakeholders (TBD)
- In the meantime, the Task Force can leverage the SW development cycle concepts to improve the quality and accuracy of the COM code

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

- Managed at the Task Force level via COM ad hoc for the short-term
- Presented in the IEEE P802.3dj Task Force Electrical ad hoc meeting on 4 April 2024
 - https://www.ieee802.org/3/dj/public/adhoc/electrical/24_0404/lusted_3dj_elec_02_240404.pdf
- 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

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.

Thanks!