Editor's Report
60802 Draft 1.2

April 20, 2020
60802 Joint Project Call

Jordon Woods, Analog Devices

Progress to Date

- There were 2 major restructuring tasks:
  - Re-order the paragraphs – see comment 251
  - Modify conformance clause such that all cited 802.1 features reference the conformance clause of the specification in question – see comment 222
- These changes have been implemented.
- In addition, the missing contributions from what was clause 6, now clause 4, have been added
  - 4.1.2 Control Loop Applications
  - 4.1.3 Mechanisms that can be used to meet Control Loop Latency Requirements
- What remains is the task of going through each comment to ensure it is implemented.
- This task is proceeding well and the editor expect to be ready for new contributions by month's end.

Revised Structure

CONTENTS

Expected Contributions

- Committed for the next draft:
  - Traffic Types
  - features/options in conformance classes (quantities)
  - Qcc as it relates to management of stream translation
  - Management workflow
  - ccB timing model
  - Further explanation of TSN domains

- Committed on an unspecified timeline:
  - Managed Objects
  - Security Guidelines
  - Distribution configuration

Approach

- It is the editor's opinion that it makes little sense to proceed to the next ballot without significant additional content.
- Further, the editor believes the balloting process to be the most effective and efficient way to achieve consensus on potentially controversial topics.
- It is the editor's intent to assume editorial license to include these contributions for the purpose of advancing the consensus building process.
- It is hoped that by doing so, the Joint Project will advance these controversial topics with the goal of proceeding to WG ballot after the next TG ballot.

Traffic Types Contribution

- Contribution will be based upon feedback received regarding this contribution in Vancouver:

  http://www.ieee802.org/1/files/public/docs2019/60802-ademaj-traffic-type-introduction-0319-v03.pdf

- The traffic types topics is split in three parts
  1. Traffic types characteristics
  2. Traffic type definition (based on the agreed traffic types characteristics)
  3. Traffic type mapping (mapping of agreed traffic types to QoS/TSN mechanisms) – not restricted to priorities
- This contribution will only address items 1 & 2.
- It should be noted that the contribution will potentially impact Table 3 – *Industrial automation traffic types summary*.

Quantities Contribution

- Contribution will be based the latest ad hoc group update:

  http://www.ieee802.org/1/files/public/docs2020/60802-Steindl-et-al-ExampleSelection-0420-v22.pdf
  http://www.ieee802.org/1/files/public/docs2020/60802-Steindl-et-al-ExampleSelectionTables-0420-v23.pdf

- The editor will attempt to incorporate these contributions into normative text in the document
  - A member of the ad hoc group has offered to do the lion's share of that work

- This approach will involve the entire joint project in the discussion and hopefully, drive consensus on this very important topic.

Summary

- Progress on d1.2 is proceeding faster than anticipated.
- The editor would like to make the next TG ballot a final precursor to WG ballot.
- To make this goal practical, significant additional content is required.
- The editor will incorporate contributions directly into the draft to facilitate consensus building during the next ballot cycle.

Thank you