Status of Accumulated latency in industrial applications
Call for Interest

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Background

- Over the past year, I've provided several contributions to the NEA Ad Hoc Committee on the subject of Accumulated switch latency in industrial applications:
  - Jan, 2018 Interim, Geneva, CH: Accumulated switch latency in industrial applications (http://www.ieee802.org/3/ad_hoc/ngrates/public/18_01/woods_nea_01a_0118.pdf)
  - Mar, 2018 Plenary, Chicago, IL: Industrial Networking Requirements (http://www.ieee802.org/3/ad_hoc/ngrates/public/18_03/woods_nea_01_0318.pdf)
  - Feb 22, 2018 Teleconference Call: Accumulated switch latency in industrial applications Call for Interest-DRAFT (http://www.ieee802.org/3/ad_hoc/ngrates/public/calls/18_0412/woods_nea_01a_180412.pdf)

Status

- The NEA Ad Hoc Committee has proven an excellent forum for:
  - Introduction of the topic
  - Discussions of CFI content
  - Discussions of use cases and requirements
- These discussions have generated a significant feedback, most notably:
  - This seems more an 802.1 problem than an 802.3 problem.
  - Some type of commitment from 802.1 to address the issue would be appropriate prior to proceeding.
  - It isn’t clear what exactly is being requested from 802.3.

Approach

- Based upon this feedback, discussions with 802.1 and 802.3 leadership have led to the following plan of action:
  - Effort will be refocused in 802.1 WG to propose an approach to solve the problem in the context of 802.1 specifications.
  - This effort will take the form of contributions to the 802.1 WG in an effort to address concerns and build consensus toward a PAR.
  - If successful, we will approach 802.3 with a specific request.

Conclusion

- So, what's my purpose today?
  - First and foremost, to thank the 802.3 and the NEA committee for their help and their time.
  - To keep the 802.3 in the loop.
- To be clear, it is this contributor's intent to continue driving this effort.
  - In the interim, I will do my best to keep 802.3 informed of progress