Nendica issues at IEEE 802.1 Technical Plenary Meeting of 2021-12-02

Roger Marks
(EthAirNet Associates; Huawei)
roger@ethair.net
+1 802 capable

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802.1 WG Technical Plenary

- 802.1 Chair announced Technical Plenary series
  - starting Dec 2, 16:00 – 18:00 ET
  - https://1.ieee802.org/2021-12-technical-plenary-agenda/
- *This series of meetings would:*
  - *Provide wider awareness for the need to revise IEEE Std 802*
  - *Provide an opportunity to discuss the content – notably should it be the same or should it add more architecture*
  - *Provide examples of the current 802 architecture (i.e., spread around in 802, .1Q, .1AC, .3, .11, .15.x, …)*
  - *Identify gaps in the current architecture*
- *In addition, this would provide the opportunity to discuss technical points across all WGs, for example:*
  - *MAC service interface (and its support of 802 MAC/PHYs)*
  - *48 and 64 bit bridging*
  - *Protocol IDs and their encoding – Length/Type and LLC*
- *Attendance is open to all 802 WG participants. WG chairs are invited to identify at least one voting member to attend.*
- *Topics for discussion can be proposed to the 802.1 WG chair.*

Agenda Item 2: IEEE Std 802 revision

- *History of Std 802*
  - Mick Seaman
  - https://www.ieee802.org/1/files/public/docs2021/802-seaman-history-1121-v01.pdf
- *Questions about the IEEE 802 Architecture*
  - Roger Marks
  - https://mentor.ieee.org/802.1/dcn/21/1-21-0074-01-ICne.pdf
    - Update of presentation to Nendica of 2021-12-02
- *Is a CSD needed?*
  - Glenn Parsons/Roger Marks
    - Proposed followup Technical Plenary on Jan 13, with a review of the draft ELLA report
    - Draft ELLA report to IEEE 802.1 Interim Session review, Jan 17-21
      - With further Nendica refinement until expected Feb 11 deadline
- *Development of revision PAR & optionally a CSD*
  - Glenn Parsons/Roger Marks
  - https://www.ieee802.org/1/files/public/docs2021/802-parsons-planning-1221-v01.pdf
    - Suggested that ELLA meetings could be Thursday 09:00 ET, or 16:00 ET, or alternating

Discussion Points on 1-21-0074-01

- Discussion indicated that specifying the Link Layer Service was key.
- There was a suggestion of the need to enhance the architecture to support new technologies, with a PAR backed by a CSD.
- On the other hand, there were suggestions that 3 years is insufficient to do a significant revision and that a simple rollup with necessary updates would be the best target.
- There was discussion of the implications of having IEEE Std 802-2014 become inactive in case the revision runs late (past 2024).
- There were suggestions of some sort of dual-PAR approach, with a minimal rollup project in parallel with a thorough revision project.