Nendica-related news from IEEE 802.1 WG, IEEE 802.3 WG, and IEEE 802 EC

Roger Marks
(EthAirNet Associates; Huawei)
roger@ethair.net

+1 802 capable

20 March 2022

802.1 WG Motions – meetings

- *802.1 authorizes Nendica to hold weekly electronic meetings each Thursday 09:00-11:00 ET starting March 24, 2022.*
  - *Agenda to be announced subject to notice of at least 5 calendar days at the 802.1 Minutes email list.*
  - *Access and agenda information are provided on the calendar at https://1.ieee802.org/802-nendica/.*
- *802.1 authorizes Nendica to hold additional meetings as announced at least 10 days in advance.*
  - *Dates, times and agenda to be announced subject to notice of at least 10 days to the 802.1 Minutes email list.*
  - *Access and agenda information are provided on the calendar at https://1.ieee802.org/802-nendica/ .*

P802-Rev PAR

- 802.1 WG Motion 2022-03-15:
  - *Approve forwarding P802-Rev PAR documentation in https://www.ieee802.org/1/files/public/docs2022/802-rev-PAR-0322-v03.pdf to NesCom*

- 802 EC Motion 2022-03-18
  - *Approve forwarding P802-Rev PAR documentation in https://www.ieee802.org/1/files/public/docs2022/802-rev-PAR-0322-v03.pdf to NesCom*

- Status:
  - On NesCom agenda, 2022-03-23
  - IEEE SA SB, 2022-03-24
  - Nendica work (within ELLA) on this topic is complete

3

PAR to amend IEEE Std 802

- 802.1 WG Motion 2022-03-15 :
  - *802.1 authorizes pre-circulation to the July IEEE 802 Plenary Session of one or more PARs/CSDs to amend IEEE Std 802, as reviewed in the Maintenance Task Group, based on a Nendica report on the topic and considering information from the 802 Technical Plenary.*
    - As suggested by Nendica and agreed in Maintenance TG
  - Nendica should aim to complete the ELLA report before the May interim

Prior Vetting Topics - followup

- Priority-based Flow Control Enhancements
  - 802 EC approved (2022-03-18) forwarding P802.1Qdt PAR to NesCom

- Source Flow Control
  - *(2022-03-18) 802.1 authorizes the TSN TG to generate PAR and CSD at the May 2022 interim session for pre-circulation to the EC for an amendment to IEEE Std 802.1Q to specify mechanisms for Source Flow Control.*

- Cyclic Queuing
  - *(2022-03-18) 802.1 authorizes the TSN TG to generate PAR and CSD at the May 2022 interim session for pre-circulation to the EC for an amendment to IEEE Std 802.1Q to specify Enhancements to Cyclic Queuing and Forwarding.*

Cut-through forwarding (CTF) 1/2

- 802.1 WG received comments (mainly from 802.3) on draft P802.1DU PAR
  - decided not to submit to 802 EC
- 802.1 WG Motions:
  - *Authorize the 802.1 WG to hold joint meetings with the 802.3 WG to discuss cut-through forwarding.*
  - *802.1 authorizes the 802.1 WG chair to present status of P802.1DU to the 802.3 WG and request joint meetings to continue discussion.*
  - *802.1 authorizes the TSN TG to generate PAR and CSD for pre-circulation to the EC for the July 2022 plenary session for an IEEE 802.1 standard on Cut-Through Forwarding.*

Cut-through forwarding (CTF) 2/2

- **802.3 Closing Plenary**
  - 802.1 WG Chair presentation recounted history of CTF activity in 802 and reported:
    - *P802.1DU PAR is deferred...*
    - *Consensus in 802.1 WG to discuss further with 802.3 WG jointly*
    - *Proposed venue*
      - *Joint NEA and Nendica Industry Connections ad hoc*
      - Note: "NEA" is IEEE 802.3 Industry Connections New Ethernet Applications Ad Hoc
      - https://www.ieee802.org/3/ad_hoc/ngrates
    - 802.3 Chair verbally accepted the proposal, with details to be determined
    - Note: Nendica Chair reached out to NEA Chair, March 17