



IEEE 1904 ANWG Closing Report

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Higher-Layer specifications for 802.3ca

- ❑ As 802.3ca nears the WG ballot phase, it is the right time to discuss a timeline for a companion standard to cover higher-layer functions of 25G-EPON/50G-EPON.

- ❑ **What needs to be covered:**

Feature in 1904.1	New capabilities or changed behavior in 802.3ca
Multicast provisioning	Based on multicast ULID
Queue service discipline	New behavior due to fragmentation
Report format and queue length calculation	New behavior: gratuitous reports, dynamic reporting priorities
Transceiver status monitoring	Similar, but should be wavelength-specific
Port selective loopback	Maybe different to enable inter-channel loopback
Optical link protection	New behavior in multi-channel PON
Data encryption	New, envelope based
Power saving	New, multi-channel mode
Events and management attributes	New attributes and events/alarms; ULID provisioning; GLID definitions, scheduling policies, and member management
Device and capability discovery	New capabilities (fragmentation, multiple channels, etc.)

- ❑ **Possible reuse:** VLAN and tunneling modes; Performance monitoring; ONU authentication; Software update.

- ❑ Should we do it?
- ❑ Should we start the new project under IEEE 1904 Access Networks Working Group, or some other SDO/WG?
- ❑ Should we amend IEEE 1904.1 SIEPON (i.e. Package D) or start a new standard (i.e., IEEE P1904.4?)?
- ❑ When would be the right time to start?
 - When 802.3ca goes into Sponsor ballot (~November 2019)
 - When 802.3ca goes to RevCom (~May 2020)
 - When 802.3ca amendment is approved by SASB (~August 2020)
 - Other target dates?
- ❑ Expanded SIEPON scope should include (by Curtis Knittle)
 - Low latency xHaul via bandwidth report method (BWR) – CableLabs spec #??
 - Low latency transmission in a manner similar to low latency DOCSIS
 - DPoE alignment strategy
- ❑ Revisit the timeline in November 2019.

Liaison Communication from BBF

- ❑ Located here:
http://www.ieee1904.org/meeting_archive/2019/04/anwg_1904_ils_bbf_258.pdf
- ❑ Received December 12, 2018, but we have not had a WG meeting since October 2018.
- ❑ This is a response to our previous letter:
http://www.ieee1904.org/meeting_archive/2018/08/anwg_1808_LS_BBF_outgoing.pdf
- ❑ Need to generate a response at this meeting

- Approve liaison response to the Broadband Forum as presented in `anwg_1904_ols_bbf_258.pdf`

- Moved: Kevin Noll
- Seconded: Marek Hajduczenia

- Procedural, > 50%

- Passed without opposition

Motion to adjourn



- Move: Marek Hajduczenia
- Seconded: Pradeep Kondamuri

- Procedural, > 50%

- Passed without opposition



Thank You