Agenda and General Information

IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force

Robert Lingle, Jr.

OFS

Ad Hoc Teleconference, February 4, 2021

Meeting

- Attendance
    - Please use http://imat.ieee.org/ to record attendance
    - → Click on "IEEE P802.3db Task Force Meeting" 04-Feb-2021
    - Session code/password (provided during meeting):
    - → Click on "C/LM/WG802.3 Attendance"
    - → Click on yellow bar for .3db meeting. Bar will turn green.
    - Attendance record based on IMAT only
    - Please add your affiliations to your names in the Webex participants list, or else list your name with affiliation in the Webex chat window (Meeting requirement)
- Webex
    - Please mute your lines if you are not speaking
        - *6 to mute/unmute or click on mute button in the WebEx window
    - Noisy, unmuted lines will be muted by the WebEx organizer
        - *6 to unmute if this happens to you

Proposed Agenda

- Meeting Attendance and Webex
- Approve Agenda
- Approval of Minutes for January 14 ad hoc meeting
- Reflector and Web
- IEEE
  - Call for Patents. IEEE Patent Policy reminder: http://www.ieee802.org/3/patent.html
  - IEEE Copyright reminder: https://standards.ieee.org/ipr/index.html
  - IEEE Participant reminder: http://www.ieee802.org/devdocs.shtml
- Contribution
  - "Items from the 100G MMF Link Baseline" - Ramana Murty
- Items that may need benefit by further contributions
- Future meetings

Approve Minutes

- Any modifications, additions, deletions or corrections?
- Move to approve meeting minutes, previously posted, for January 14, 2020 IEEE P802.3db Task Force Ad Hoc Webex meeting:
  - unapproved_minutes_3db_adhoc_01_011421.pdf

Reflector and Web

- To subscribe to the IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force reflector, send an email to:

  ListServ@ieee.org

  with the following in the body of the message (do not include "<>"):

  subscribe **stds-802-3-100GSR** *<yourfirstname> <yourlastname>*

- Send IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force reflector messages to:

  STDS-802-3-100GSR*@listserv.ieee.org*

- Task Force web page URL:

  http://ieee802.org/3/db/index.html

Participants have a duty to inform the IEEE

- Participants <u>shall</u> inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents

- Participants <u>should</u> inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims

Early identification of holders of potential Essential Patent Claims is encouraged

IEEE

Ways to inform IEEE

- **Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); or**

- **Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or**

- **Speak up now and respond to this Call for Potentially Essential Patents**

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

02 January 2018

◆IEEE

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IEEE SA STANDARDS ASSOCIATION

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Participants in the IEEE-SA "*individual process*" shall act independently of others, including employers

- The IEEE-SA Standards Board Bylaws require that "*participants in the IEEE standards development individual process shall act based on their qualifications and experience*"

- This means participants:
  - **Shall act & vote** based on their personal & independent opinions derived from their expertise, knowledge, and qualifications
  - **Shall not act or vote** based on any obligation to or any direction from any other person or organization, including an employer or client, regardless of any external commitments, agreements, contracts, or orders
  - **Shall not direct** the actions or votes of other participants or retaliate against other participants for fulfilling their responsibility to act & vote based on their personal & independently developed opinions

- By participating in standards activities using the "*individual process*", you are deemed to accept these requirements; if you are unable to satisfy these requirements then you shall immediately cease any participation

Approved by SASB in June 2019

Slide 2

Contribution

- "Items from the 100G MMF Link Baseline" - Ramana Murty (Broadcom Inc.)
  - murty_3db_adhoc_01_020420.pdf

Items that may benefit from contributions in TF review

- Some items raised in previous contributions and meetings:
1. Ramana Murty encouraged contributions on questions he raised in murty_3db_adhoc_01b_121720.pdf, especially note:
   a) Assumptions on slide 6, including interoperability of 50m and 100m PMDs
   b) The four (4) items called out on the RHS of slide 7
   c) Overshoot/undershoot on slide 8
   d) the reference EQ length & tap constraints on slide 10
2. Greg raised some questions on slide 8-11 of le_cheminant_3db_adhoc_01_121720.pdf
3. Connectors/MDI
   a) 802.3cd & 3bm did not required APC MPO connectors – should 3db do so?
   b) Same insertion loss for two PMDs?
   c) Reflection budget
4. Reference Rx – how many taps
   a) 9-taps favors relaxed VCSEL specs (CMOS)
   b) 5-taps favors possibility of lower power analog circuits (SiGe)
5. Naming convention for 50m and 100m PMDs – SR and ??
6. MN and MPN budgets, esp for 100m reach

Future Meetings

- See: http://ieee802.org/3/calendar.html and http://ieee802.org/3/interims/index.html

- P802.3db TF Ad Hoc Teleconferences are currently scheduled:
  - Biweekly on Thursdays at 12 Noon to 2 pm Eastern US (EST/UTC -5): http://www.ieee802.org/3/db/public/adhoc/index.html
  - Next Ad Hoc meeting: Thursday, February 18, 2021, 12 Noon to 2 pm Eastern US (EST/UTC -5)
- Ad hoc meetings will be converted to TF interims when TF business requires
  - On TF interim teleconferences, only 802.3 voters may vote on TF motions

- March IEEE 802.3 WG plenary session will be virtual, March 8 – 18, 2021

Thank You!