NG-EPON
IEEE 802.3 WG closing report

Industry Connections Activity

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IEEE 802.3 NG-EPON ad hoc committee
Beijing, PRC

20-March-2014

Reflector and Web

▸ To subscribe to the NG-EPON ad hoc committee reflector, send an email to:
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▸ NG-EPON ad hoc committee web page URL:
   http://www.ieee802.org/3/ad_hoc/ngepon/index.html

Activities this week

▸ Met all day on Tuesday

▸ Traders Hotel Room 5, Basement West

▸ Heard eleven presentations

Architecture and requirements

1. Requirements & Architecture Considerations – Eugene Dai – Cox Communications
2. Considerations of ODN, Coexistence and Transmission Speed - Yukihiro Fujimoto – NTT
3. Coexistence scenarios and wavelength plan - Liquan Yuan – ZTE
4. NG-EPON for future access network – Naoki Agata - KDDI
5. FSAN and ITU-T activities on NG-PON2 – Duane Remein - Huaweii

Optics and modulation

6. Tunable Lasers: Technologies, Cost, and Applications – Wei Li - Finisar
7. Tunable optics technology and relative cost trends - Jinglei – Huawei
8. OFDM Technology in Optical Access Network - Minghui Tao - Huawei

Outline and contents of the report

9. Proposed skeleton of NG-EPON whitepaper - Liquan Yuan – ZTE
10. Proposed Outline of the report from the activity - Wei Lin – Huawei
11. Draft of the report – Marek Hajduczenia & Kevin Noll

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Motion

- Adopted the outline described in the file ngepon_report_proposed_outline_0314.pdf as the basis for further work.

- M: Ed Mallette

- S: Bill Powell

- Technical (>= 75%)

- All in the room may vote

- Y: 12 N: 0 A: 0

- Passes

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Plans for next meeting

▸ Ask for a one day meeting at May interim

▸ No overlap with EPoC

▸ Request (multi-party) contributions on the following topics

  ▸ Modulation techniques for optical access networks

  ▸ Market potential

  ▸ Operator requirements

  ▸ Coexistence requirements

  ▸ blocking filter characteristics

  ▸ High speed TDM PON feasibility

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NG-EPON
Report Date: 18-March-2014

- **Chair**: Howard Frazier, Broadcom Corporation

- **Participants**: ~25 Individuals

- **Procedures**: Operating under IEEE 802.3 WG and IEEE 802 LMSC

- **Progress Toward Deliverables**: Held 1st meeting January 21, 2nd meeting March 18th, 2014. Produced and agreed to an outline of our report.

- **Timeline**: It is a little too early to provide a timeline for completion, but we are making good progress. We expect to have a first draft of our report before the end of CY2014

- **Future Meetings**: 6 times a year in conjunction with IEEE 802.3 plenary and interim sessions.

- **Issues**: No issues at hand. We are receiving excellent contributions from the industry (19 so far) on the topics we said we wanted to investigate. Our first two meetings were very productive.

- **Website:** http://www.ieee802.org/3/ad_hoc/ngepon/index.html