NG-EPON

Industry Connections Activity

Howard Frazier – Broadcom Corporation – hfrazier@broadcom.com

Agenda

▸ Appointment of Recording Secretary
▸ Welcome and Introductions
▸ Approve Agenda
▸ Approve minutes of last meeting
▸ Reflector and Web
▸ Ground Rules
▸ Current Status
▸ Goals for this meeting
▸ Presentations
▸ Straw polls, Motions and Closing Business
▸ Future Meetings

Reflector and Web

▸ To subscribe to the NG-EPON ad hoc committee reflector, send an email to:
ListServ@ieee.org

with the following in the body of the message (do not include "<>"):
subscribe stds-802-3-ngepon <yourfirstname> <yourlastname>
end

▸ Send NG-EPON ad hoc committee reflector messages to:
stds-802-3-ngepon@listserv.ieee.org

▸ NG-EPON ad hoc committee web page URL:
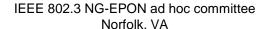http://www.ieee802.org/3/ad_hoc/ngepon/index.html

ad hoc Decorum

- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (December 2013 IEEE-SA Standards Board Ops Manual 5.3.3.5)
- Photography or recording by permission only (December 2013 IEEE-SA Standards Board Ops Manual 5.3.3.4)
- Cell phone ringers off
- Wear your badges at all times in meeting areas
  - Help the hotel security staff improve the general security of the meeting rooms
  - **PCs HAVE BEEN STOLEN** at previous meetings
  - **DO NOT** assume that meeting areas are secure
- Please observe proper decorum in meetings

Ground Rules

▶ Based upon IEEE 802.3 Rules

   ▶ Foundation based upon Robert's Rules of Order

   ▶ Anyone in the room may speak

   ▶ Anyone in the room may vote

▶ **RESPECT**… give it, get it

▶ NO product pitches

▶ NO corporate pitches

▶ NO prices!!!

   ▶ This includes costs, ASPs, etc. no matter what the currency

▶ NO restrictive notices

NG-EPON ICCOM project goals

▸ Create a venue for interested individuals to discuss the requirements and technical options for the next generation of Ethernet Passive Optical Networks

▸ Operate under and report to the IEEE 802.3 Ethernet Working Group

▸ Explore operators' requirements

▸ Explore market potential

▸ Explore technological and economic tradeoffs.

▸ Explore the state of the art of optical technology for subscriber access networks

▸ Produce a report of the group's findings

IEEE 802.3 NG-EPON ad hoc committee
Norfolk, VA

13-May-2014

Current status

- Second meeting held March 18th in Beijing, PRC
  - 23 attendees
  - 11 presentations!
- Agreed to solicit 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

- Adopted an outline for our report
- Produced a status report for ICCom

Goals for this meeting

▶ # Meet all day on Tuesday

▶ # River walk room

▶ # Hear six presentations

Architecture and requirements

▶ NG-EPON Coexistence scenarios and WBF - Liquan Yuan – ZTE

▶ Survey for ODN deployment – Liquan Yuan – ZTE

▶ Optical Fiber Cable Design & Reliability – Patrick Van Vickle – Sumitomo Electric Lightwave

▶ MTU UP! – Marek Hajduczenia – Bright House Networks

Optics and modulation

▶ Feasibility of high speed TDM in NG-EPON - Minghui Tao – Huawei

▶ READY TO GIVE UP ON TDM? – Marek Hajduczenia – Bright House Networks

Outline and contents of the report

▶ Draft of the report – Marek Hajduczenia & Kevin Noll

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Plans for next meeting

▸ Ask for a one day meeting at July plenary

▸ WILL overlap with EPoC (unavoidable)

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

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Straw Poll

- ▸ I will attend the meeting in July
- ▸ I may attend the meeting in July
- ▸ I may not attend the meeting in July
- ▸ I will not attend the meeting in July

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