Residential Ethernet Study Group Closing Plenary Report IEEE 802.3

San Francisco, CA
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Progress for the period

- Continuous interactions within SG:
  - 245 subscribers to reflector
  - Weekly conference calls with 2-3 papers/presentations per call
- Presentations this week
  - 11 presentations
    - Reports on possible methods for synchronization, admission control, and traffic shaping
    - Simulation results of using unaltered Ethernet bridged environment
    - Reviewed objectives with move to 802.1 in mind
  - Several possible alternative approaches discussed
- Most likely that little or no change to 802.3 will be needed
  - Most work expected in 802.1
- Continued to refine the Objectives
  - Reviewed objectives with likely move to 802.1 in mind

Initial "802.1" centric objectives

- Guaranteed QoS attributes for streams over small diameter (home-sized) network with 7 Ethernet hops max
    - smaller number of hops for MACs with more inherent latency

- QoS attributes are:
    - latency less than 2ms
    - guaranteed bandwidth (assignable per stream)
    - packets are not dropped
    - once a stream is established, its performance is guaranteed

- Timing synchronization between DTEs with low jitter and approaching zero wander
    - specs TBD

Future Plans

- Consensus of SG is continue work as fast as possible, but …

- Move the effort to 802.1:
  - Continue effort to use existing 802.1 facilities
  - Increase communication with 802.1 team to ready possible objectives, PAR, and PAR-justification materials
  - Will take a while to organize, but will be complete by November Plenary

- Continue technical work
  - Simulations for both data QoS and timing-synchronization quality
  - Evaluations of both "consensus" (pure 802.1) and alternative approaches

Motion

- Request that the IEEE 802.3 WG extend the Residential Ethernet Study Group to the next Plenary meeting.

- Moved: Michael Johas Teener
- Second: Shimon Muller
- Procedural 50% required:
- Passed: Y:59 N:0 A: 11
- July 21, 2005

Future Meetings

- Weekly conference call on Wednesdays, 2PM PDT (see reflector for announcements)

- Special IEEE 802.1 ResE Interim Meeting, week of September 26 (SF bay area, CA)
  - Announcement soon

- IEEE 802 Plenary Meeting, Vancouver, BC, November 2005

Reflector and Web

To subscribe to the Residential Ethernet Study Group

send an email containing the following text in the body of the message to:

subscribe stds-802-3-re <yourfirstname> <yourlastname>

to

ListServ@ieee.org

Residential Ethernet Study Group web page URL:

http://www.ieee802.org/3/re_study/

Thanks!