Residential Ethernet Study Group Closing Plenary Report IEEE 802.3
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Progress for the Week

- ## Presentations addressing the Objectives
  - 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 changes to 802.3 will be needed
    - Some work in 802.1 likely

- ## 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:
- Second:
- Procedural 50% required:
- Passed/failed …
- July 21, 2005

ResE Study Group

Future Meetings

- IEEE 802.1 Interim Meeting, week of September 18 or 26 (Sacramento or Irvine, CA)
- IEEE 802 Plenary Meeting, November 2005

ResE Study Group

Reflector and Web

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Thanks!