Residential Ethernet Study Group
Opening Plenary Report
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Sept Joint 802.1/ResE Interim

• Start process of moving work to 802.1
  – Process differences
    • No “study group” as such, but … same “work by consensus” used by current SG
  – Probably result in several PARs within 802.1
    • Precise synch (new doc)
    • Filtering/traffic class behavior/etc (add to bridge doc)
    • Admission control (new doc? add to bridge doc?)
    • Overall architecture (ResE recommended practice)
  – Discussed PAR/5 criteria proposals
PAR Champions

- **Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks**
  - Geoff Garner
- **Stream Reservation Protocol (SRP)**
  - Felix Feng
- **Recommended Practice: Residential Ethernet**
  - Michael Johas Teener
- **Bridge operation (filtering/queuing/etc.)**
  - Needs more discussions to organize
  - Define usage of traffic class, relationship with SRP, queuing rules, traffic shaping at endpoints, enforcement, setting up a defended network
More Sept Joint 802.1/ResE Interim

• **Continued technical work**
  – Simulations for delay and variation in latency
  – Admission control/reservation based on GARP
    • Interactions with higher layers, like UPnP AV

• **Likely future work in 802.3**
  – “defended network” requires disallowing unmanaged bridges
    • “one more autoconfig bit” … enforce managed endpoints even for 100baseT/1GbaseT?
  – When is a packet actually launched/received?
    • Precise synchronization needs this
Goals for this week

• Complete move to 802.1
  – Progress towards PARs/5C
  – Where new work “fits” in existing documents

• More progress on technical issues
  – Selection of “simplest” timing synch system that meets performance requirements
  – First outline of recommended practice
    • Checklist of work needed, and where
Future Meetings

• Co-locate with IEEE 802.1 Interim Meeting, January 2006
  – (probably Sacramento)

• IEEE 802 Plenary Meeting, March 2006, Denver

ResE website
http://grouper.ieee.org/groups/802/3/re_study/index.html