



Residential Ethernet Study Group
Opening Plenary Report
IEEE 802.1/802.3
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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