IEEE 802.3 Frame Expansion
CFI/ad hoc Report

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15 July 2004

Outline

- **Progress related to work request**
- **Concerns raised**
- **Questions for IEEE 802.1**
- **Plan for IEEE 802.3 closing**
- **Plan for September interim**

Tue & Wed

- **Met all day Tuesday in ad hoc mtg**
  - **Discussed concerns**
  - **Reviewed proposed frame format changes**
  - **Created list of questions for IEEE 802.1**
  - **Captured items to research in September**
- **Presented progress in IEEE 802.1/802.3 joint technical plenary Wednesday morning**

Summary of concerns

- **Is this absolutely necessary?**
- **Backward compatibility?**
- **Additional space used only for headers not for additional data payload!**
- **Impacts to QoS/overall efficiency?**

Research topics

- **Frame size limitations of:**
  - **Existing equipment – below MAC (elasticity buffers, block coding, delimiters)**
  - **Existing equipment – above MAC (FIFO, fabric)**
  - **Links with FEC (EPON)**
  - **Rate compensation (WAN PHY, EFM Copper)**
- **Effect of increased overhead on performance, especially in aggregation**
- **Feasibility of reducing MTU of installed base of clients**
- **Use of IEEE 802.1AB for discovery**
- **Straw man frame format modifications**

Straw polls

- **Ad-hoc: Request IEEE 802.3 form Frame Expansion SG**
  - **22-0 (29 in room)**
  - **18 would participate, 12 separate companies**

- **Ad-hoc: Prefer co-location with (*chose one*)**
  - **802.1 (10/4, Ottawa)? 13**
  - **802.3 TF/SGs (week of 9/27, west PA)? 5**

- **.1/.3 Joint Tech: Would you attend the Frame Expansion SG (*Chicago rules*):**
  - **with .3, in ~PA, week of 9/27? 20**
  - **with .1, in Ottawa, week of 10/4? 36**

Plan for September

- **Hear presentations on research items**

- **Review frame format proposals**

- **Finalize PAR/5 criteria**

- **Determine if PAR should be pre-submitted to NESCOM for Dec standards board meeting**

Motion #

- **Move that IEEE 802.3 WG creates IEEE 802.3 Frame Expansion Study Group**

- **Move: K. Daines**
- **Second: S. Muller**

- **Procedural (>50%)**

- **802.3 voters Y: 45 N: 0 A: 4**
- **PASSES**

Other business

- **Present draft liaison responses**
  - **IEEE 802.1**
  - **ITU-T Q9, 12/SG15**