IEEE 802.3as – Frame Expansion

March 2005 Plenary session

Meeting opened at 8:40am, Mar 16, 2005
Chair: Kevin Daines, World Wide Packets
Secretary: Glenn Parsons, Nortel Networks
Attendees: 6 people at opening, peaked at 20

Intro

- We are a Task Force with an approved PAR.
- Website is – www.ieee802.org/3/as
- The chair reads the IEEE-SA patent policy from the bylaws
- Chair overviews process and timeline
    - Goal is TF ballot out of this meeting with WG ballot in July
    - A press release was issued in January to encourage industry participation
- At the closing plenary we intend to decide the maximum frame size

Draft 0.1 review 3

- Editor (Glenn Parsons, Nortel) introduces results from joint meeting with 802.1 and the rationale for the proposed changes to clauses 2, 3, 4 & 31 in draft 0.1
- Editor reviews proposed draft 0.1
- Chair reviews the rationale for each of the three larger number choices (1875, 2000 and 2048)
- Comments on draft 0.1 discussed
    - Add warning about 10 Mb/s repeaters in clause 4-4 under the table
    - Add dashed lines to pad/FCS in Fig 3-2
    - Make maxValidFrame an enumerated list of the 3 sizes in the Pascal of clause 4.2.7.1
    - Fix exit from GENERATE_TRANSMIT_FRAME to be conditional on transmit and remove scratch pad notes on the left in Fig 4-1
    - Rework text of note in 3.2.7 with the view that this is informative text.
    - Include update of Annex 4A, 31B
    - Search rest of standard for references to frame size (likely some in clauses 30 & 57) and update if necessary
- The next draft will be formatted as changes to the base standard instead of the current change barred style

Motion #1

- Adopt 2000 octets as the new maximum envelope frame size
- Move: George Cravens   Second: Matt Squire
- No Discussion
- Vote: Y–7 N-1 A-5   20 people in room   Motion passes

Wrap up

- Agree to send liaison to ITU-T SG15 after we start WG ballot
- Review slides to be presented to 802.1

Motion #2

- P802.3as Task Force adopt the proposed timeline as found in agenda_1_0503.pdf
- Move: George Cravens   Second: Matt Squire
- No discussion
- Vote: Y–9 N-0 A-4   Passes

Motion #3

- Create 802.3as/D1.0 based on Glenn Parsons' D0.1 with comments and edits from the March 2005 meeting and conduct 30-day TF ballot prior to the May 2005 interim
- Move: Glenn Parsons   Second: George Cravens
- No discussion
- Vote: Y–10 N-1 A-4   Passes

Motion #4

- Adopt January 2005 interim minutes
- Move: George Cravens   Second: Matt Squire
- No discussion
- Vote: Unanimous approval

Future meetings

- May 20 – Austin (802.3 interim)
- July 17-22 – San Francisco (plenary)
- Sept – Europe (interim)

Adjourn at 11:30am

Joint meeting – 802.3as/802.1

- Review of proposal by Kevin
- Discussion
  - Norm concurs with 2000 octet max frame size
  - Clarification on shift in direction by Paul

- - Mick appreciates the small max frame size number to keep down latency and the pragmatism of the 802.3 group in defining this
  - Concern about where the demultiplexing is done? .1 or .3? Mick indicates there is a strict layering that is in the province of 802.1
  - Tony compliments this significant piece of work
- Will have another joint meeting in July