BRIEF MINUTES OF 802.1 - MAUI, JULY 1995

Prepared by:

Tony Jeffree

04 August 1995

1. Opening Plenary Agenda

- Voters & Voting - Keen
- Documents - Keen
- Details for this meeting - Lidinsky
    - Tue: Maui#2 & suite 750
    - Wed: Maui#2 (Tech Plenary - AM) & suite 750
    - Thu: Maui#2 & suite 750 (AM)
      Maui#2 (PM)
- Ongoing responsibilities
    - Overview & Arch (OATS)
    - Functional Requirements (FRTS)
    - VLAN?
    - 802.1D
    - Multimedia (MUTS)
- Minutes Approval - Bridge
- Exec Committee Report - Lidinsky
- Internetworking - Seaman
- Multimedia - Cooper & Seaman
- ISO responses - Lidinsky
- ORRG - Chambers
- Tech Plenary items - Lidinsky
    - VLAN?
- Functional Requirements - Backes
- VLAN - Lidisky (4:00PM to 4:30PM)
- ASHRAE - Lidinsky

2. Opening Plenary actions/motions/other stuff

2.1 Approval of the Minutes of the March 95 meeting

Proposed: Hart

Seconded: Jeffree

Unanimous Approval

2.2 PARs

Mick Seaman to ensure that Exec members are in posession of the appropriate copies of 802.1 proposed PARs.

2.3 CMIP/GDMO

Tony Jeffree to talk to Thompson/Thaler re GDMO/CMIP in preparation for Tues PM.

2.4 Bridge activity slides (provided by Alan Chambers)

(* = items in need of recommendations/resolutions within 802.1)

REMOTE MAC BRIDGING

P802.1G/D13

- LMSC Sponsor Ballot

* - DIS 15802-5 Ballot (11/95)

P802.6i (DQDB MAN encapsulation)

Will be folded in for publication

* - NP and PDAM Ballots,
DAM Ballot authorised

BRIDGING STUFF

P802.1j/D4 ballot just closed

* - Resolve any comments, aim to send to LMSC Sponsor Ballot

*   - NP and PDAM Ballots (9/95)

P802.1H approved, publication 9/95

*   - NP and PDTR Ballots (9/95)

P802.6k (DQDB support in .1D)

*   - NP and PDAM Ballots (9/95)

EXPECT:

P802.12x (100BASE-VG support in .1D)

SC6 STUFF

ISO/IEC 15802-1 to publication (MAC Service definition)

*DTR 11802-2 Ballot, 2nd edition (standard Group MAC addresses)

*SC6N9543 Liaison re 16-bit MAC addrs

ISO/IEC 15802-2 published (.1B + .1k)

100BASE-T --> NP and PDAM

100BASE-VG --> NP and PDAM

10742/DAM1, ICS proformas

    [will we need these {ICS} for .1j/.1G?]

New ballot rules: - Paralell progression of NP and CD, etc.

    - Sudden-death DIS

3. 802.1 Meeting Agenda

TUESDAY

Traffic class/dynamic m'cast	9:00 to 12:00
T1.7, T1.8, 802.1P (Jeffree)	
Overview & Arch	1:15 to 3:00
VLAN requirements (Hart)	3:15 to 5:15

WEDNESDAY (Tech Plenary)

MM/Arch/VLAN report	8:30 to 9:30

WEDNESDAY (802.1 business)

802.1D revision/reaffirmation	10:30 to 12:00
T1.9 (Seaman)	
Multimedia - QOS	1:30 to 3:00
T1.9 (Brand, Tobagi)	
ITU/T MM apps over LANS.	3:30 to 4:30
T1.9 (BOAL)	
CMIP/GDMO issue	4:30 to 5:15

THURSDAY

802.6i	9:00 to 9:30
(Chambers)	
802.1i/D4	9:30 to 10:00
(Chambers)	
Traffic class/dynamic m'cast	10:15 to 12:00
Enhanced services (T1.5)	
Registration protocols (T1.4) (Jeffree)	
802.1 Closing plenary	1:30 to 5:00
Business Wrapup	
Liaison positions	
Progression of/position on: Multimedia VLAN Documents	

4. Closing plenary agenda

802.1 AGENDA

Thursday 13 July 1995

- Voters & Voting - Keen
- Documents - Keen
  - Have all appropriate documents been given to Hal}
- Minutes - Jeffree
- PAR Extensions - Lidinsky
  - 802.1d, 802.1j extended 6/97
- Agenda items requested for Exec Thursday night - Lidinsky
  - ME: 802.1p PAR; Sponsor ballot for 802.1j; 802.1E and 802.1D reaffirmation
  - MI: CMIP/SNMP/GDMO
  - DT: Arch & Overview; IETF Multicast mapping
  - II: vLANs; Comments on Operating Rules
- Functional Requirements - Lidinsky
  - No work at this meeting
- Overview & architecture - Chambers
- Internetworking - Seaman
- Multimedia - Seaman
- vLANs - Jeffree, Seaman
- IETF IPv9 Multicast Address Mapping - Lidinsky
- Interim meeting - Lidinsky
  - When, where, what will be discussed.

5. Closing plenary actions, motions etc

5.1

In recognition of the fact that CMIP and 802.1B have so far failed to make significant penetration into the LAN management marketplace, 802.1 proposes that the current 802 policy regarding 802 management standardisation should be modified as follows:

* Management sections of 802 standards should, as a minimum, contain a complete generic definition of the required management functionality, operations, parameters, notifications... etc., which is independent of consideration of the management protocol(s) to be used to manipulate them. (Examples : .1D, .3, .12);

* 802.X working groups may additionally choose to include in management sections of 802 standards, specific definitions, encodings, etc. as required in order to realise that generic management functionality by using any appropriate, well-defined management protocol. Obvious candidates here are 802.1B/CMIP and SNMP.

It is the intent of 802.1 to reflect the above in changes to the management section of the 802 standard (overview/architecture) during its current revision cycle.

Moved: Jeffree

Seconded: Chin

FOR 11 AGAINST 0 ABSTAIN 1

---

802 Executive Committee endorses and approves the approach outlined in the above 802.1 motion.

Moved: Lidinsky

Seconded: __________

FOR______ AGAINST_______ ABSTAIN_______

5.2

With reference to the attached Email correspondence between Kathy Doty and Tony Jeffree, the 802 Executive Committee requests that the 802.1 Chair take the necessary actions to request the formation of a balloting group to conduct a reaffirmation ballot for Std 802.1E, based on the published text of 15802-4:1994 (=802.1E+802.1m) in accordance with the provisions of subclause 10.1 of the IEEE Standards Operations Manual, 1995 edition.

Moved: Lidinsky

Seconded: __________

FOR______ AGAINST_______ ABSTAIN_______

802.1 requests that the 802 Executive pass the above motion.

Moved: Jeffree

Seconded: Keen

FOR 11 AGAINST 0 ABSTAIN 0

<<Attached Email message>>

Date: Tue, 27 Jun 1995 15:32:05 +0200

To: 100271.522@compuserve.com

From: kdoty@stdsbbs.ieee.org (Kathy Doty)

Subject: 802.1E Reaffirmation

Cc: lidinsky@hep.net, k.dittmann@ieee.org, l.gargiulo@ieee.org,
r.tennis@ieee.org, c.buonfiglio@ieee.org

Dear Tony,

I am responding to an email sent to Linda Gargiulo dated May 30, 1995. First of all I must apologize for the delayed response. The IEEE Standards Board Series of meetings were in June and I needed to wait until Kristin came back to discuss this before I could respond to you question.

\>>>Std. 802.1E was effectively revised during the recent publication of the ISO

\>>>version of the standard (ISO/IEC 15802-4:1994, I believe - Kristin

\>>>Dittmann can

>>>confirm the publication date). This revision incorporated new material

>>>that had

>>>been developed in IEEE Project 802 as a supplement; in the event, it was

>>>decided

>>>that as supplement and the ISO version, which combined both the original

>>>802.1E

>>>text and the supplementary material, would be published at the same

>>>time, that

>>>there was no point in publishing the supplement on its own. The ISO text

>>>therefore constitutes a recent, agreed, revision of the 802 standard.

>>>

>>>I would therefore propose that IEEE re-affirms the standard based on the

>>>recently published ISO text.

>>>

>>>Please let me know what formal process (if any) I need to be involved in in

>>>order to make this happen!

The first thing you would need to do is contact Rosemary Tennis (r.tennis@ieee.org) and ask her to start the formation of a balloting group for the reaffirmation of 802.1E. Since 802.1m (supplement to 802.1E) balloting group was established over 2 years ago, I beleive that you need to form a "fresh group" One of the purposes of sending out an invitaiton to ballot is to reduce the number of non-responders, come ballot time, and also to make sure the ballot is sent out to a balanced group.

After the balloting group is formed and approved by the chair/sponsor... Bill Lidinsky and Don Loughry, 802.1E would be ready to go to ballot.

At this point, all I would need is a cover letter from the Chair of 802.1E addressed to the ballot body. The letter should tell them this is a reaffirmation ballot, and that they have a responsibility to respond. Then Carol Buonfiglio would be able to send the cover letter out with the published 15802-4:1994 Standard.

There is new text in the 1995 Standards Operations Manual addressing reaffirmation ballot. Do you have a copy of the latest version? If not let me know and I will send you one.

I hope is have addressed all of your questions.

Please let me know if you need anything else.

Sincerely,

Kathy Doty

IEEE Staff Engineer/Liaison to LMSC

5.3

Given that 802.1 is currently developing a revision of Std 802.1D under an active 802 PAR, and expect that the work involved in this revision will complete by March 1997, the 802 Executive Committee requests that the 802.1 Chair write to the IEEE Standards Board requesting that they grant an extension to the life of Std 802.1D until March 1997, in accordance with the provisions of subclause 10.2.1 of the IEEE Standards Operations Manual, 1995 edition.

Moved: Lidinsky

Seconded: __________

FOR______ AGAINST_______ ABSTAIN_______

802.1 requests that the 802 Executive pass the above motion.

Moved: Jeffree

Seconded: Keen

FOR 12 AGAINST 0 ABSTAIN 0

5.4

P802.1 instructs the editor for the revision of Overview and Architecture, Mr Alan Chambers, to produce a revised draft based on P802/D20, in accordance with the instructions in P802.1-95/007. The resulting text is to be issued for ballot as determined by 802.0.

Moved: Slager

Seconded: Jeffree

FOR 11 AGAINST 0 ABSTAIN 1

5.5

802.1 resolves to hold a premeeting of the 802.1 Interworking Task Group on the Monday morning prior to the Project 802 meeting, November 1995 in Montreal.

The purpose of the meeting will be to discuss "Virtual LANs"; it will start at 9:00a.m.

Moved:	Jeffree	
Seconded:	Hart	
FOR 10	AGAINST 0	ABSTAIN 3

5.6

802.1 resolve that an interim meeting of 802.1 be held Wednesday October 11th through Friday October 13th 1995, and is pleased to accept the offer of Rising Star Research to host this meeting in Denver.

Moved:	Hart	
Seconded:	Jeffree	
FOR 9	AGAINST 0	ABSTAIN 2

5.7

802.1 instructs the Editor of P802.1p, A.A. Jeffree, "Supplement to Media Access Control (MAC) Bridges: Traffic Class Expediting and Dynamic Multicast Filtering" to prepare a draft of P802.1p taking into account the input and comments received at the July 1995 meeting of Project 802. This draft is to be made available to the 802.1 Secretariat for electronic distribution at least 2 weeks prior to the next meeting of the 802.1 Interworking Task Group.

Moved:	Hart	
Seconded:	Keen	
FOR 11	AGAINST 0	ABSTAIN 0

5.8

802.1 resolves that:

Since:

1. There is widespread interest in standardising the set of interworking techniques known as Virtual LANs

2. The perceived benefits of such techniques include:

   a) easier adds, moves and changes of end stations, especially in "large scale" environments

   b) group/multicast traffic management and containment, in order to facilitate large scale bridged/switched networks

   c) 'security' and traffic containment and management of unicast flows

   d) traffic management, monitoring, control and accounting

   e) pragmatic network re configuration

3. A number of these techniques are:

   a) made possible by layer 2 LAN interworking devices, i.e., MAC Bridges

   b) intimately related to ANSI/IEEE Std 802.1D and revisions to that standard which are being actively pursued - P802.1d, P802.1p - by the Interworking Task Group

4. At present, there is no agreed, technically complete definition of "Virtual LANs"

Therefore, 802.1:

5. Believes that it is essential that work on standardizing "Virtual LANs" be carried on within the Interworking Task Group and proposes to hold an interim meeting and following meetings to expedite this work, specifically to:

6. prepare a working definition and definition of requirements for "Virtual LANs"

7. define a program of work for "Virtual LANs" standardization

8. address the criteria for new work and prepare a PAR for the work* (or a number of PARs as appropriate)

* current target WG completion end Nov '95 802 meeting

and:

8. invites technical contributions at the interim and following meetings.

Moved: Yondav

Seconded: Slager

FOR 11 AGAINST 0 ABSTAIN 1

5.9

802.1 instructs the editor for P802.1d to prepare a further revision of P802.1d taking into account the comments received at the July 1995 meeting of Project 802. The revision is to be prepared for circulation by the 802.1 Secretariat by Sept 20th

Moved: Hart

Seconded: Yondav

FOR 13 AGAINST 0 ABSTAIN 0

5.10

IPv6 Multicast to Ethernet

Multicast Address Mapping

Members of the IETF have informally asked 802 to review this proposal. Some communication might be appropriate.

Present Ipv4 Mapping

Replace the low-order 23 bitst of the ethernet address 01-00-5e-00-00-00 with the low-order 23 bits of the Ipv4 multicast address

Proposed Ipv6 Mapping

Replace the low-order 32 bits of the ethernet address 33-33-00-00-00-00 with the low-order 32 bits of the Ipv6 multicast address

Comments:

1) 33-33 prefix has both Group (multicast) and Locally Administered bits set.
2) Would need 256 OUIs to do this with Universally Administered addresses
3) Possible collision with some other locally administered addresses that use the 33-33 prefix
4) Probability is low and under the control (presumably) of a local administrator
5) This mapping would apply to 802.3, ethernet and FDDI, but not to 802.5 because many host adapters have insufficient multicast address filtering to handle multicast addresses properly
6) IPng folk propose that on token rings, Ipv6 multicast addresses would all map to the address already allocated to IP -- i.e., 03-00-00-20-00-00

Following a preliminary examination of this proposal 802.1 would like to express support, and looks forward to a formal proposal.

Moved: Seaman

Seconded: Hart

FOR 10 AGAINST 0 ABSTAIN 3

5.11

P802.1 recommends that the US response to the ISO/IEC JTC1 ballot of DTR 11802-2 should be approval with comments as recommended by the November 1994 meeting of P802.

Moved: Keen
Seconded: Chambers
FOR 12 AGAINST 0 ABSTAIN 1

<Comments are documented under item 11 below>

5.12

P802.1 recommends that the US response to each of the four bridge-related NP ballots in ISO/IEC JTC1 (for 802.1H, 802.1j, 802.6i, 802.6k) should be YES to Questions 1-4 and NO to Questions 5-7.

Moved: Chambers
Seconded: Hart
FOR 13 AGAINST 0 ABSTAIN 0