# 802.1 Plenary - 11/2006

Closing Agenda

# Security issues

- **Please wear your badge** when in the meeting areas of the hotel
- This will help the hotel security staff to improve the general security of the meeting rooms
- **PCs HAVE BEEN STOLEN** at previous meetings – DO NOT assume that meeting areas are secure

# Administrative stuff

- **Officers**
  - Chair: Tony Jeffree
  - Vice Chair: Paul Congdon
  - Recording Secretary: Michael Wright
  - Interworking/Link Sec TG Chair: Mick Seaman
  - AV Bridging TG Chair: Michael Johas Teener
  - CM TG Chair: Pat Thaler
  - Link Sec TG Secretary: Allyn Romanow
  - Maintenance of website: John Messenger
  - Maintenance of Email exploder: Hal Keen

- **Website**
  - http://www.ieee802.org/1/
  - Username: p8021   Password: go_wildcats

# Administrative stuff – Upload area

■ Website – Upload area

- http://www.ieee802.org/1/files/public/contrib
- Username: dot1user  Password: p4d1con
- Needs sftp client: suggest you use Winscp (free)
- Hostname is grouper.ieee.org

http://winscp.net/eng/index.php

Or Filezilla

# Administrative stuff - contd

- Voting membership
  - Current 802.1 membership rules (802 rules currently being revamped):
  - N.B. terminology: A *session* is (the whole of) an Interim or Plenary during which 802.1 meets. A *meeting* is a subset of a session; I.e., a contiguous time period during the session when the WG meets. Generally meetings are ½ day in duration or less.
  - To gain membership:  Attend 2 plenaries in the span of the four most recent plenaries (one interim can be substituted) **and** inform the Chair of your intention to become a voter. Membership is then gained at the start of the next plenary attended
  - To maintain membership: Attend 2 out of the last 4 plenaries one interim can be substituted) , and respond to 2 out of 3 most recent WG/TG ballots
  - **Attendance is as per signup book/sheet – must be 75% of meetings during a session in order to count.**
  - Signing the signup sheet for a meeting declares that you have (or will have) attended during the majority of the allotted time for that meeting. Hence, at sessions where more than one WG meets, signing up at two parallel meetings is **not** valid.
- Voting rights are properly regarded as an obligation, not a privilege!

# Administrative stuff - contd

- If you don't sign the signup book/sheet, then you won't get credit for being in the meeting.

- This may result in you not getting membership as quickly as you could.

- **So, if you care about getting/keeping your vote, make sure that you sign in every morning and afternoon that you are present in the meeting.**

# The following are 802.1 voters:

| | |
|---|---|
| Alexei Beliaev | David Martin |
| Jean-Michel Bonnamy | John Messenger |
| Mike Borza | Dinesh Mohan |
| Paul Bottorff | Hiroshi Ohta |
| Rudolf Brandner | Don Pannell |
| Jim Burns | Glenn Parsons |
| Dirceu Cavendish | Ken Patton |
| Frank Chao | Haim Porat |
| Paul Congdon | Ray Qiu |
| Uri Cummings | Karen Randall |
| Russell Dietz | Robert Roden |
| Linda Dunbar | Josef Roese |
| Hesham Elbakoury | Allyn Romanow |
| David Elie-Dit-Cosaque | Dan Romascanu |
| Don Fedyk | Jessy V Rouyer |
| Felix Feifei Feng | Eric Ryu |
| Norm Finn | Ali Sajassi |
| David Frattura | Panagiotis Saltsidis |
| John Fuller | Sam Sambasivan |
| Geoffrey Garner | John Sauer |
| Anoop Ghanwani | Mick Seaman |
| Ken Grewal | Koichiro Seto |
| Steve Haddock | Curtis Simonson |
| Romain Insler | Nurit Sprecher |
| Ran Ish-Shalom | Kevin B Stanton |
| Vipin Jain | Bob Sultan |
| Tony Jeffree | Muneyoshi Suzuki |
| Pankaj K Jha | Francois Tallet |
| Michael Johas Teener | John Terry |
| Hal Keen | Pat Thaler |
| Yongbum Kim | Dennis Volpano |
| Mike Ko | Manoj Wadekar |
| Bruce Kwan | Bert Wijnen |
| Kari Laihonen | Ludwig Winkel |
| Yannick Le Goff | Michael D. Wright |

# The following can claim voting membership if they are here this week:

Franz-Josef Goetz
Tanmay Gupta
Keti Kilcrease
Raghu Kondapalli
Menucher Menuchery
Neil Peers
Charles  Qi
Joseph Salowey
Gopi Sirineni
Suresh Vobbilisetty
Henry (Chien-Hsien) Wu

# Access to 802.XX websites/reflectors

- As per established 802 EC decisions, there should be no problems accessing websites and email reflectors owned by other WGs

- Some WGs allow the 802.1 username/password to be used on their websites

- For others, a request to the WG Chair should produce the desired result.

- IF YOU DON'T GET A SENSIBLE RESPONSE FROM THE RELEVANT WG CHAIR, LET ME KNOW.

# 802.1 WG and TG operation

- Consensus process; the ultimate test of consensus is the vote taken on a WG draft
- Votes are not taken in Task Group or Interim meetings
- 802.1 WG Plenary meetings are used to take any "formal" votes
- Most technical issues are resolved through Task Group ballots, prior to the formal Working Group ballot; i.e., we conduct the WG ballot only when we think we're nearly done
- Voting membership is NOT a pre-requisite to participate in TG or WG ballots
- Focus is on technical progress, not studying/applying RR
- Offline discussions are essential in achieving consensus

# TG, WG, and Sponsor ballots

- **Task Group Ballots:**
  - Anyone can respond and vote (although voting members are obliged to do so)
  - Asks the question: "Is this draft complete and ready for Working Group Ballot?"

- **Working Group Ballots:**
  - Anyone can respond
  - Only voting members are able to (and are obliged to) vote
  - Asks the question: "Is this draft complete and ready for Sponsor Ballot?"

- **Sponsor Ballots:**
  - Extrernal review process
  - Only members of the balloting group can participate
  - To join the various balloting pools, need to visit the IEEE website (pointer on the 802.1 website)

# Instructions for the WG Chair

- **At Each Meeting, the Working Group Chair shall:**
- **Show slides #1 and #2 of this presentation**
- **Advise the WG membership that:**
  - The IEEE's patent policy is consistent with the ANSI patent policy and is described in Clause 6 of the *IEEE-SA Standards Board Bylaws*;
  - Early disclosure of patents which may be essential for the use of standards under development is encouraged;
  - Disclosures made of such patents may not be exhaustive of all patents that may be essential for the use of standards under development, and that neither the IEEE, the WG, nor the WG Chairman ensure the accuracy or completeness of any disclosure or whether any disclosure is of a patent that, in fact, may be essential for the use of standards under development.
- **Instruct the WG Secretary to record in the minutes of the relevant WG meeting:**
  - That the foregoing advice was provided and the two slides were shown;
  - That an opportunity was provided for WG members to identify or disclose patents that the WG member believes may be essential for the use of that standard;
  - Any responses that were given, specifically the patents and patent applications that were identified (if any) and by whom.

◆IEEE

**(Not necessary to be shown)**     Approved by IEEE-SA Standards Board – March 2003 (Revised February 2006)

# *IEEE-SA Standards Board Bylaws* on Patents in Standards

**6. Patents**

IEEE standards may include the known use of essential patents and patent applications provided the IEEE receives assurance from the patent holder or applicant with respect to patents whose infringement is, or in the case of patent applications, potential future infringement the applicant asserts will be, unavoidable in a compliant implementation of either mandatory or optional portions of the standard [essential patents]. This assurance shall be provided without coercion. The patent holder or applicant should provide this assurance as soon as reasonably feasible in the standards development process. This assurance shall be provided no later than the approval of the standard (or reaffirmation when a patent or patent application becomes known after initial approval of the standard). This assurance shall be either:

a) A general disclaimer to the effect that the patentee will not enforce any of its present or future patent(s) whose use would be required to implement either mandatory or optional portions of the proposed IEEE standard against any person or entity complying with the standard; or

b) A statement that a license for such implementation will be made available without compensation or under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination.

This assurance is irrevocable once submitted and accepted and shall apply, at a minimum, from the date of the standard's approval to the date of the standard's withdrawal.

◆IEEE

Approved by IEEE-SA Standards Board – March 2003 (Revised February 2006)

# Inappropriate Topics for IEEE WG Meetings

- Don't discuss the validity/essentiality of patents/patent claims

- Don't discuss the cost of specific patent use

- Don't discuss licensing terms or conditions

- Don't discuss product pricing, territorial restrictions, or market share

- Don't discuss ongoing litigation or threatened litigation

- Don't be silent if inappropriate topics are discussed… do formally object.

**If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom @ieee.org or visit http://standards.ieee.org/board/pat/index.html**

**This slide set is available at http://standards.ieee.org/board/pat/pat-slideset.ppt**

IEEE

# Use of audio/video recording devices & other techno toys

- **No use may be made of audio or video recording devices to record the proceedings in any 802.1 meetings without the express knowledge and agreement of all participants in the meeting. (per 2006 SA ops manual)**

- **Any members of the press are required to announce their presence (per 2006 SA ops manual)**

- Participants are reminded that the manufacturers of mobile phones have, surprisingly, seen fit to supply them with an "off" or "vibrate" setting.
  **Use of either of these settings would be a considerable courtesy to the speaker and other members of the audience.**

# Presentation materials

- Power Point bloat
  - At these meetings external bandwidth is not free
  - Please consider this when developing presentations
  - Corporate logos, graphic backgrounds, lots of clip art, etc. occupy lots of megabytes & generally do not convey any content that helps us to make technical progress
  - A comparison: Current 802.1Q-REV plus AD is a mere 2.8 megs; some recent presentations have been of comparable or greater size (but smaller in content by a couple of orders of magnitude!)
  - I will reserve the right in future to refuse circulation of materials that I consider to be excessive in this regard
- **Copyright statements or privacy/confidentiality statements of any kind SHALL NOT APPEAR on any contributions to 802, either in emails or in presentation material**

# Future meetings

- January interim:
  - Proposed meeting in Monterey, CA, week of 22 Jan 2007 (5 days) hosted by Michael Johas Teener/Broadcom

- May interim: Proposed meeting in Geneva – 28-31 May. 31$^{st}$ PM and 1$^{st}$ June – ITUT/IEEE workshop. Following week – ITUT SG 15 meeting.

- Sept interim: Korea?  Stockholm?

# Monterey, CA

- 802.3: Tuesday – Friday, January 16-19
- 802.1: Monday – Friday, January 22-26
- Hilton Garden Inn
- Room rate $129/night + tax
- Daily attendance fee of $60, includes breakfast, lunch, coffee breaks, meeting room rental
- Free parking, free internet access

# Proposal that we include an explicit copyright release on all pressos:

**Current proposal is that we maintain a statement of the form shown below on the 802.1 website, and that documents submitted to 802.1 include a pointer to this on the front page, indicating that the document has been submitted in accordance with the terms stated:**

**Notice:** This document has been prepared to assist the work of the IEEE 802.1 Working Group. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s).  The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add or amend material contained herein.

**Release:** The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE's name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE's sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication.  The contributor also acknowledges and accepts that this contribution may be made public by the IEEE 802.1 Working Group.

For this to work, we will have to maintain historical versions of the text as and when the text is revised, so that references in older pressos remain valid.

Please socialize this proposal with your organizations with a view to making a decision on this in March.

# Balloting process

- WG membership expanding therefore ballot processing is getting more time consuming
- May be time to adopt the 802.3 ballot processing tools (which are also compatible with the IEEE Sponsor balloting process)
- Plan to trial run these on the O&A and AK ballots this week
- Problem: Email exploder doesn't pass Excel spreadsheet files so we need a way around this

# 802 – Overview and Architecture

- Reaffirmation ballot for this has completed

- 12 "No" votes (8%) – lots of comments asking for changes to the standard

- As discussed in the opening Plenary, it is appropriate to raise a revision PAR; however, we also need to complete reaffirmation so that it doesn't go away in the meantime.

# Link Aggregation

- 802.3's current plan (as I understand it):
  - As part of next revision, to extract Link Agg and use it to form a separate stand-alone 802.3 standard (802.3.1)
  - As and when that has happened, 802.1 can, at its leisure, raise a PAR to revise it as an 802.1 standard
  - Once that has happened, Std 802.3.1 can be administratively withdrawn
- Sounds ideal as it need not impact 802.1's already busy schedule in the short term

# 802.1AE MIB

- There is a minor bug in the MIB – simple fix
- Actions?
  - Aready done: corrected MIB and explanation has been posted on website. Have also sent an interpretation request to the IEEE
  - To do: need to approve formal interpretation response – no need for a corrigendum.

# Norm's interpretation request on use of reserved addresses

- This has finally processed through the system and the IEEE have sent it to me to deal with
- We agreed a response in July (see below)
- We have made progress on the general reserved address use problem – would be good to fix any remaining issues this week if there are any
- Agreements made in July:
  - to re-designate the reserved address currently identified for use by 802.3 "Pause" as an address that can be used by any MAC-specific control protocol.
  - to re-designate the reserved address currently identified for use by 802.1AB as an address that can be used by protocols that require the scope of the address to be limited to an individual LAN, and that the Chair should communicate to IEEE 1588 that they should use this address for their time synchronization protocol requirement.
  - to re-designate the reserved address ...-04 as an address that can be used by any MAC-specific protocol.
  - The following agreed as text for the interp response:
  "802.1 intends to amend IEEE Std. 802.1ad-2005, adding address 01-80-C2-00-00-0E to Table 8-2, so that frames with that destination address do not pass through an S-VLAN component.
  IEEE 802.1 does not intend to define any device that relays address 01-80-C2-00-00-0E."

# There's an old interp request that we have never dealt with:

- http://www.ieee802.org/1/pages/int-5.html
- What do we want to say in response?

# Use of "new" IEEE OID arc

- Currently we use an OID arc rooted under the ISO standards (ISO/IEC 8802 series) as the attachment point for e.g., MIB OID arcs
- New OID arc now available that is rooted under a "true" IEEE arc:

   iso (1) iso-identified-organization (3) ieee (111)
- Do we want to: (*Braces indicate opinion from York interim*)
  - Stay as we are; (No)
  - Use both; (No)
  - Use the new one (for new assignments); (Yes)
  - Do something else? (No)
- New "root" arc for 802.1 will be:

  iso (1) iso-identified-organization (3) ieee (111) standards-association-numbered-series-standards (2) lan-man-stds (802) ieee802dot1(1) ieee802dot1mibs(1)

- This should be updated in Std 802 – O&A as part of the revision project.

# TG reports

- Interworking
- Security
- AV
- CM

# Sanity check – current workload

- 802.1AC (MAC Service): Second draft. End date Dec '08
- 802.1af (Key agreement): TG ballot. End date Dec '08
- 802.1ag (CFM): To Sponsor ballot. End date Dec '08
- 802.1ah (Backbone PB) WG ballot. End date Dec '08
- 802.1aj (Two-port relay) TG ballot. End date Dec '08
- 802.1ak (MRP) Sponsor ballot nearly done. End date Dec '08
- 802.1ap (Q MIB). Initial draft. End date Dec '09
- 802.1aq (Shortest Path) TG ballot. End date Dec '09
- 802.1AR (Device identifiers) TG ballot. End date Dec '09
- 802.1AS (Time synch) – Editor's drafts. End date Dec '10
- 802.1at (SRP) Initial drafts. End date Dec '10
- 802.1au (Congestion Notification) PAR approved. End date Dec '10
- 802.1av (AVB Forwarding & Queuing) - PAR to be submitted this week
- 1 more AVB PAR – by July?
- 802.1H revision - PAR approved
- 802 O&A – Reaffirmation ballot – recirc in November
- 802.1AB (LLDP) revision - PAR to be submitted this week
- 802.1aw (DD-CFM) – PAR to be submitted this week
- 802 O&A – Revision PAR to be submitted this week
- Link Agg? – Not until 802.3 are done extracting it from their base std

# Motions

# MOTION

- 802.1 approves the July 2006 minutes.
- Proposed:  wright Seconded: messenger
- For  31  Against   0  Abstain  1

# MOTION

- 802.1 resolves to hold a pre-meeting on the Monday morning of the March 2007 plenary session.

- 802.1 Proposed:    seaman

- Second: congdon
  - For:  34 Against:   0  Abstain:  1

# MOTION

- 802.1 resolves to hold an interim session in Moneterey, CA, week of 22 Jan 2007, hosted by Michael Johas Teener/Broadcom
- Proposed: Teener
- Second: wright
  - For:  39
  - Against:   0
  - Abstain:  2

# MOTION

- 802.1 resolves to hold an interim session in Geneva, 28-31 May 2007, hosted by ITU-T

- Proposed: Parsons

- Second: Wright
  - For:  39
  - Against:   0
  - Abstain:  1

# MOTION

- 802.1 approves the following text as resolution of Norm Finn's interpretation request on reserved MAC addresses in 802.1ad:

- "802.1 intends to amend IEEE Std. 802.1ad-2005, adding address 01-80-C2-00-00-0E to Table 8-2, so that frames with that destination address do not pass through an S-VLAN component.
IEEE 802.1 does not intend to define any device that relays address 01-80-C2-00-00-0E."

- Proposed: finn Seconded: congdon

- For 37  Against  0 Abstain  2

# MOTION

- 802.1 approves the following text as resolution of Tony Jeffree's interpretation request on the MIB error in 802.1AE:

  "The 802.1 Working Group agrees that proposal made in the interpretation request, namely that the appropriate solution is to change the definition of the secyCipherSuiteProtectionOffset data type on page 100 of the standard from INTEGER to Integer32, is correct. A corrected version of the MIB text, with this change made, has been posted on the 802.1 website at:

  http://www.ieee802.org/1/files/public/MIBs/802-1ae-2006-mib-corrected.txt "

- Proposed: wijnen  Seconded: wright
- For  35 Against  0 Abstain  1

# MOTION

- 802.1 requests EC approval to forward the draft PAR/5C for P802.1av, Forwarding and Queuing for Time-Sensitive Streams, to NesCom.

- 802.1: Proposed: teener Second:

  wright For: 34  Against:  0 Abstain: 3

- EC proposed: Jeffree second:

# MOTION

- 802.1 requests EC approval to forward the draft PAR/5C for P802.1aw, Data dependent CFM, to NesCom.

- 802.1: Proposed: seaman Second: messenger For:  36 Against:  0

  Abstain:  3

- EC proposed: Jeffree second:

# MOTION

- 802.1 requests EC approval to forward the draft PAR for revision of 802.1AB to NesCom.

- 802.1: Proposed: congdon Second: wright   For:  34 Against: 0  Abstain: 3

- EC proposed: Jeffree second:

# MOTION

- 802.1 requests EC approval to forward the draft PAR for revision of 802 Overview and Architecture to NesCom.

- 802.1: Proposed: wright Second:

  patton  For: 38  Against: 1  Abstain: 2

- EC proposed: Jeffree second:

# MOTION

- 802.1 requests conditional approval from the EC to submit the IEEE Std 802, Overview and Architecture, reaffirmation to RevCom.
- 802.1 Proposed: wright Second: patton
  - For: 33 Against: 0 Abstain:1
- Exec Proposed: Jeffree   Second:
  - For:  Against:   Abstain:

# MOTION

- 802.1 instructs the editor of P802.1ag (CFM), Norm Finn, to prepare a further draft taking into account the discussions during the Nov 2006 meeting. The Chair is authorised to issue the draft for Working Group recirculation ballotting.

- 802.1 Proposed: finn   Second:  mohan
  - For:  39   Against:  0  Abstain:  1

# MOTION

- 802.1 authorizes the Chair to request an EC email ballot to approve forwarding P802.1ag to Sponsor ballot should WG balloting be completed prior to the March Plenary.

- Proposed: finn  Seconded: mohan

- For  36 Against 0  Abstain  2

# MOTION

- 802.1 instructs the editor of P802.1ak (MRP), Tony Jeffree, to prepare a further draft taking into account the resolutions of the Sponsor ballot agreed during the November 2006 meeting. The Chair is authorised to issue the draft for further Sponsor recirculation ballotting.

- 802.1 Proposed:  wright  Second: sultan
  - For: 33  Against:  0  Abstain:  2

# MOTION

- 802.1 requests EC conditional approval to forward P802.1ak to RevCom.

- 802.1: Proposed: wright Second: sultan For: 32  Against: 0  Abstain: 2

- EC proposed: Jeffree second:

# MOTION

- 802.1 requests its Chair to make a formal request to IEEE 1588 to use the 4-bit TransportID as the subtype for IEEE 1588 over layer 2 ethernet, and to specify a unique value of that field for use in 802.1AS.

- Proposed: teener Second: wright

- For: 32 Against: 0 Abstain: 8

# MOTION

- 802.1 authorizes its January interim meeting to continue developing a draft PAR and 5C for "PBB traffic engineering" and authorizes the Chair to circulate it to the EC to meet the 30-day precirculation requirement for the March meeting.
- Proposed: bottorff Second: wright
- For: 32 Against: 0 Abstain: 3

# MOTION

- 802.1 authorizes its Chair to forward the joint 802.1/802.17 liaison response on protection and restoration to the ITU, as agreed during the closing plenary.
- Proposed: seaman Second: Parsons
- For: 22 Against: 0 Abstain: 3

# MOTION

- 802.1 authorizes its Chair to forward the text of the liaison statement to the MEF re their 10038 - implementors agreements, as agreed during the closing plenary.
- Proposed: finn Second: wright
- For: 13 Against: 0 Abstain:2

# MOTION

- 802.1 authorizes its Chair to forward the text of the liaison statement to the MEF re their 10036 - protocol filtering at UNIs, as agreed during the closing plenary.
- Proposed: Finn  Second: haddock
- For: 12  Against: 0  Abstain: 2

# MOTION

- 802.1 authorizes its Chair to forward the text of the liaison statement to IETF CCAMP as agreed during the closing plenary.
- Proposed: seaman Second: wright
- For: 19 Against: 5 Abstain: 8

# MOTION

- 802.1 authorizes its Chair to respond to the NGN Management Focus Group as agreed during the closing plenary.
- Proposed: Finn Second: wright
- For: 11 Against: 0 Abstain:2

# MOTION

- 802.1 authorizes its Chair to respond to ITU-T regarding linktrace as agreed during the closing plenary.

- Proposed: Finn Second: wright

- For: 14 Against:  0 Abstain: 0