

IEEE 802.1 Minutes, March 2007

Allyn Romanow, John Messenger

Opening Plenary, Monday, March 12, 2007

Tony Jeffree, Process

Voting rules and what it consists of

Membership

Must tell Tony of intention as well as meet attendance requirements

Should be able to read any 802 web sites, if can't, let Tony know

How We Operate

We take fewer ballots than a number of other 802 groups do. Consequence is that input from non-members is treated same as others.

Discussion of ballot procedure – TG, WG, and Sponsor ballots

Patent Policy – Tony Jeffree

There are new rules that are coming in the end of April. The discussion now is of the current set, not the new set of rules

Tony discussed the IEEE patent policy and showed the required two slides and insured everyone in the room was aware of the IEEE patent policy

Inappropriate topics for the WG meetings

Use of AV devices – Tony Jeffree

Can not record meeting without everyone agreeing to it – this is part of IEEE rules

Members of the press, including public blogs, must announce their presence

If you make statements to the press and represent yourself as speaking for 802 or 802.1 you must have the approval of IEEE 802 and IEEE 802.1

Cell phones in off or vibrate

Presentation Material – Tony Jeffree

Keep the size down and no copyrights!

Tony does not want to impose a standard template on presenters but it depends upon the thoughtful use of the presenters

Future Meetings – Tony Jeffree

May 2007 joint interim with 802.3 and ITUT in Geneva 28-31 May

Following week ITUT SG 15 meeting and workshop (31 May – 1 June)

Glen Parsons presentation about May interim, see slides

Registration URLs are on the 802.1 meeting website

Glen has a slide on how to fill out the registration

It is possible to do registration when you get there, but it will be more inconvenient, so Glen highly recommends people do the registration online

On cooperation between ITU and IEEE

Carrier Ethernet workshop the week after the May interim

Program available online

Will be in the ITU headquarters, no conference fee

Need to register, Will need photo badge to get into the building – will get it when you show up for the meeting

All hotels are 20-30 minute walk from the ITU Campus

Currency is Swiss franc, French speaking, good bus from airport, or can take train to downtown

Hotel block for ITU block- preferential rates

Hotels – 110 – 220 US see the presentations on the 802.1 web site

Recommend staying in Paquis

May 8-10 Security Interim in Sacramento, registration will be put up soon

September –Seoul or Malmo, Sweden near Copenhagen, slides on the mailing list.

Week of Sept. 17

Executive Committee report – Tony Jeffree

Brief update on 802.20

Was suspended, brought back in November, PAR till 2008

Appointed chairman, Arnie Greenspan, at some point will stand down and there will be an election

SASB policy changes

Affiliation and dominance

Code of ethics- committee within IEEE SA to review complaints of unethical behavior of any members whether or not they are members

Process automation (MyProject)

Patent policy- major changes, tutorial – TG chairs need attend

PARS for Friday

Get802

Falling short of revenue goals, people are waiting the six months to get a copy; so next year it will be one year before appearing on the free list and 802 will change its contribution to get802

IEEE conformity assessment for 802

802 said it was too difficult for 802, but the effort is going ahead for 802 anyway. Under investigation. Stay tuned.

Online attendance system, automatic

Should be functionally complete by December 2007

Online training on 802 process

Takes 3 hours

Anonymous letter to board of governors, copies sent to employers of individuals as well

Investigation found allegations had no merit

Was costly

Treasurer's Report

1348 attendees in Dallas

~1400 attendees this week

May be able to reduce attendance fees

Tutorials this week

Mon- Patent policy

Mon - Video over .11

Tues- Emergency services over wireless

Tues - Open Office Hours – Paul Nikolich, Karen Kenny, Jim Carlo, Steve Mills

SEC6

Jeff Thompson is liasing with SC6

P & P revisions

Need to fix for AudCom

Auditing entity of IEEE do not approve of IEEE 802 policies and procedures

Make minimum recirc period the same for SB as for WG ballot (15) days.

This has been 802.1 practice

IMT Advanced requirements development

Tuesday night meeting

Support among wireless groups to work on it

Project 1900

1900.1 terms & defs for radio spectrum, etc.

New Orleans for March meeting

Hyatt said they aren't going to be fixed, a number of options are being considered. The group preferred SFO, Chicago, and Caribe Royal

Jan 2008 wireless joint interim

March 2009 non-North Am meeting

IPR- Mat Sherman

Need changes in patent law

IEEE should lobby

Discussion about copyright on presentation material – Tony Jeffree

Proposal that we include an explicit copyright release on all presos.

Was brought up at the last plenary

Vote at end of meeting

Balloting process – Tony Jeffree

We are having some difficulties using the 802.3 ballot processing tools.

David Law says that he can extend the import capability on Access database tool

Changes to SA rules

Discipline for (un)ethical behavior

Patent issues

Interpretation request outstanding

Mick volunteered

Filenaming conventions

Is this broken and people think it needs fixing or not? How the date is expressed

Clear indication that group thinks we should leave things as they are

The major problem is whether people submit docs in the correct format.

Uploaders should change format if need be

Task Group Agenda for Security and Internetworking – Mick Seaman

March 2007

Orlando, FL

Two PARs of interest to us. 802.1AX is transfer of Link Aggregation in 802.3 to us. Doing this in two stages. Disentangle from .3. Transferring control from .3 to .1. When we have time, we will revise the doc.

Ring Interconnect. A new PAR in 802.17. Let Mick know or we won't have any comments.

Task Group Agenda for AVB – Michael Teener
Congestion Management – Pat Thaler

802.21 Vivek Gupta and Michael Williams, Overview of Handover and interoperability between heterogenous network types including 802 and non-802, see slides

Presentation is a scaled down version of tutorial that was given

What about security?

Slides Security Optimization during Handovers

Haven't done any security, are planning on it in the next phase

Comment- security needs to be thought of intrinsically, or handover won't be used.

Comment- Is .21 a descriptive framework or is there a .21 protocol? Can I tell if a device is implementing .21? Yes there is a protocol. Provides 3 services.-

Triggers,

Discovery

Handover Commands

Is load balancing a goal? No.

802.1ag Recirculation Ballot Norm Finn

Go over ballot comments

Need to get Ethernet type

Where to put MIB

Address block to use for multicast addresses

Tuesday AM, March 13, 2006

The security track, 802.1AR, Mick Seaman

Jesse Walker on ECC and RSA

Algorithm agility

2012 NIST having a competition for hash, so we will have to rev

Concern about mandating RSA keys for battery powered devices

Their measurements show a lot of performance advantage for doing ECC than RSA verification

We need to have 2 options

A scenario description, to describe use case should be undertaken

In interoperability in .1AR are we assuming that any 2 devices can talk? Or that any 2 devices placed in usual positions can talk? This question needs to be posed in the next ballot.

March 2007

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At the next meeting we will be able to discuss things that are not allowed currently, due to new patent rules.

Conformance- in order to claim conformance with EAP-TLS... , or in order to claim conformance with Something else..

Tuesday PM, March 13, 2007

Security - 802.1af Draft Review – Mick Seaman

Went over state machine

Wednesday AM, March 14, 2007

Security – 802.1AR – Max Pritikin

Resolution of comments

Wednesday PM, March 15, 2007

P802.1AR draft review – Max Pritikin

Will do Task group ballot just after Sacramento meeting, will seek approval this meeting

P802.1af – Mick Seaman

Will also do task group ballot after Sacramento, will seek approval this meeting

Discussion of what action to take initially on bring up

Virtual ports- Brian Weis

Wants some clarification of dependency on 802.1ap, MIB Definitions for LAN Bridges.

Needs to be done.

Implementation- simplify by making VLAN one to one with each CA, with special purpose silicon

The Network Discovery and Selection Problem, Paul Congdon, see slides

This is longstanding area of interest

RFC 4284 how to advertise thru EAP exchange

And now

Draft-ietf-eap-netsel-problme-06.txt by Bernard Aboba

This preso is an adaptation of the draft for .1AR

Paul not in complete agreement with IETF draft

This is informational, not a specific proposal, but thinks we should do something to solve this issue

NAI- not related to the authenticating identity, but it serves to route authentication to the right party

We are using to know what networks we might want to connect to

Realm selection – what backend authentication, eg AAA

There are also capabilities of the access network. How much of the capabilities do you want to advertise?

Paul thinks network selection should only get to a state of trust, minimum info, then will figure out more attributes of the connection

Advertise min info to get into authenticated state.

Thursday AM, March 16, 2007

Interworking

802.1Qay – DDCFM – Presentation of managed objects – Linda Dunbar

An initial draft is available on the website.

Concern was expressed that the operations should be confined to a single MA.

Initiation and Target points need to be MEPs.

Reflection point can be a MEP or MIP.

Need a transaction ID.

CFM in PBB-TE – Maarten Vissers

Requesting interoperability of PBB-TE CFM with T-MPLS OAM

Incorporating performance management in PBB-TE, but after discussion, it was felt that a separate Performance Management PAR would be better, so that it could cover 802.1Q etc., as well.

Wants to bring in Y.1731 and G.8021 concepts such as AIS and APS.

Maarten is concerned to emphasize interoperability with other OAM technologies, but others were more concerned to optimise the solution for our needs.

We can't make decisions on this at this stage.

Liaison to SG4/SG15 on Link Aggregation – Mick Seaman

ITU-T sent a liaison noting problems which can occur when a protected span goes over an aggregated link. If a section of the aggregated link fails, the bandwidth may be reduced, which would be worse than protection switching the whole span. Mick Seaman discussed the problem. There was extensive discussion from the floor, but no conclusion. Mick will write up a proposed response.

802.1ah – S-space versus B-space model

Yesterday there had been extensive discussion on the S-space or B-space models in the 802.1ah task group. However despite many straw polls, there was no clear consensus on one model or the other. In this session, the editor stated that his position was that the B-space model was incumbent, and therefore will go forward. Steve Haddock and Alan McGuire stated that they would be willing to accept the B-space model in order to achieve consensus. The editors are granted license to proceed with writing up the B-space solution.

Closing Plenary, Thursday, March 16, 2007

Upload area on web site – Tony Jeffree

Need sftp suggest you use Winscp (free) <http://winscp.net/eng/index.php>
grouper.ieee.org – username and password available from Tony.

Affiliation – you must write in your affiliation in the signup sheet to get credit! – Tony Jeffree

Voting membership rules – Tony Jeffree

Patent Policy – Tony Jeffree

The two required slides were shown to the group and Tony ensured that everyone is aware of the IEEE Standards Association patent policy. The policy will change on April 30th.

Future Meetings – Tony Jeffree

May 28 – 31, Geneva, joint meeting with ITU

September – Korea: Seoul; Sweden: Stockholm or Malmo

Date preference was tested with straw polls: Sept 3rd preferred to Sept 17th.

Straw Poll: Stockholm won.

Meeting will be September 4th-7th in Stockholm with 3 tracks.

March 2008 plenary: Chicago downtown; Caribe Royale; San Francisco?

Would you go: Chicago 40; Caribe Royale 47; San Francisco 50

Preference vote: Chicago 26; Caribe Royale 25; San Francisco 17

Preference without SF: Chicago 32; Caribe Royale 35

Proposal that we include an explicit copyright release on all presentations – Tony Jeffree

Chair proposes we put a standard copyright release on the front of all presos

Without such, presentations would not be allowed to be given.

Balloting Process – Tony Jeffree

We plan to use an Excel spreadsheet as an input tool, but still use a database tool

Editors are encouraged to produce a summary of comments received fairly often during the ballot.

Task Group Reports – AVB – Michael Johas Teener

802.1AS (Time Synchronisation) is progressing. Existing draft is the plan of record but there are some changes coming. Expecting a Task Group ballot this summer.

802.1Qat Stream Reservation Protocol – they will use MMRP for registration.

Reservation protocol is nearing completion, but there are still open issues.

802.1Qav (Time Sensitive Queuing and Forwarding) – structural draft expected.

New work: new PAR required for overall AVB network pointing to some 802.1 standards, 802.3 and 802.11. It's intended that a PAR could be approved by the EC in November.

There is an AVB Transport Protocol being developed in IEEE outside 802, based on IEC 61883 architecture.

Higher layers need a standard method to get a multicast L2 address

Task Group Reports – Congestion Management – Pat Thaler

Two new proposals were received this week which look interesting. They are still in the process of evaluating proposals and hope to finish before July.

Task Group Reports – Security – Mick Seaman

802.1af is revising 802.1X to incorporate key exchange (MKA). It is likely that 802.1af may become 802.1X-REV. Security is having an interim May 8th-10th.

RSA vs. ECC are being deliberated.

Network selection problem is being considered. It's possible that LLDP may be used to advertise from a bridge unauthenticated prior to authentication.

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Task Group Reports – Interworking – Mick Seaman

Much time was spent on 802.1ah PBB.
DDCFM has started.
PBB-TE PAR was discussed but not changed.

Sanity Check – current workload – Tony Jeffree

17 projects with one new one to come in July.

Motions

MOTION: 802.1 approves the November 2006 and January 2007 minutes.

Proposed: messenger Seconded: congdon
For 34 Against 0 Abstain 1

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

802.1 Proposed: finn Second: patton
For: 30 Against: 0 Abstain: 2

MOTION: 802.1 resolves to hold an interim session in Stockholm, 4-7 September 2007, hosted by Ericsson

Proposed: saltsidis; Second: fuller
For: 36 Against: 0 Abstain: 4

MOTION: 802.1 resolves to hold a Security interim session in Sacramento, 8-10 May 2007, hosted by HP

Proposed: Congdon; Second: seaman
For: 19; Against: 0; Abstain: 13

MOTION: The AVB TG will continue to have teleconferences weekly at 2PM (US Pacific) Wednesdays for AVB general topics and 10AM (US Pacific) Wednesdays for 802.1AS specific topics. Access information will be sent to the 802.1 reflector immediately after the plenary.

Proposed: Fuller; Second: Feng
For: 21; Against: 0; Abstain: 11

MOTION: The CM simulation ad hoc will continue to have teleconferences weekly at 9AM (US Pacific) Thursdays. Access information will be sent to the 802.1 reflector immediately after the plenary.

Proposed: Thaler; Second: bialkowski
For: 21 Against: 0 Abstain: 9

MOTION: 802.1 approves the following text as resolution of the interpretation request from Wojtek Paprowicz, to be found at <http://www.ieee802.org/1/pages/int-5.html>
The appropriate reference for the definition of the MAC_Operational status parameter is now clause 6.4.2 of IEEE Std 802.1D-2004. This clause states:

"The value of this parameter is determined by the specific MAC procedures, as specified in 6.5."

Clause 6.5 describes the parameter value determination for IEEE Std 802.3 (in 6.5.1), IEEE Std 802.5 (in 6.5.2), and for other media access control methods (further subclauses of 6.5). These procedures may, in principle, differ for different physical media, as determined by the 802 Working Group responsible for the development of that MAC. Such variation may be explicit at the level of the description in clause 6.5, or be a consequence of the way that physical media dependent procedures contribute to the physical media independent function defined by the relevant 802 MAC standard. Reference should be made first to clause 6.5, and then to the specific MAC standards as called out by clause 6.5.

Proposed: seaman Seconded: messenger
For 23 Against 0 Abstain 5

MOTION: 802.1 requests EC approval to forward the draft PAR/5C for P802.1Qay, PBB-TE, to NesCom.

802.1: Proposed: Bottorff Second: finn
For: 28 Against: 0 Abstain: 3

MOTION: 802.1 requests EC approval to forward P802.1ag to Sponsor ballot.

802.1: Proposed: finn Second: seaman
For: 37 Against: 0 Abstain: 1

MOTION: 802.1 instructs the editor of P802.1AB-REV (Tony Jeffrey) to prepare a further draft taking account of the discussion this week. The Chair is authorized to submit the project for Task Group balloting.

Proposed: congdon Second: finn
For: 35 Against: 0 Abstain: 2

MOTION: 802.1 instructs the editor of P802.1AR (Max Pritikin) to prepare a further draft taking account of the discussion this week. The Chair is authorized to submit the project for Task Group balloting.

Proposed: seaman Second: congdon
For: 31 Against: 0 Abstain: 1

MOTION: 802.1 instructs the editor of P802.1af (Mick Seaman) to prepare a further draft taking account of the discussion this week. The Chair is authorized to submit the project for Task Group balloting.

Proposed: seaman Second: congdon
For: 35 Against: 0 Abstain: 0

MOTION: 802.1 instructs the editor of P802.1Qaw (Linda Dunbar) to prepare a further draft taking account of the discussion this week. The Chair is authorized to submit the project for Task Group balloting.

Proposed: dunbar Second: seaman
For: 31 Against: 0 Abstain: 3

MOTION: 802.1 instructs the editor of P802.1ah (Paul Bottorff) to prepare a further draft taking account of the discussion this week. The Chair is authorized to submit the project for further Working Group balloting.

Proposed: bottorff Second: finn
For: 37 Against: 0 Abstain: 0

MOTION: 802.1 instructs the editor of P802.1aj (Tony Jeffree) to prepare a further draft. The Chair is authorized to submit the project for Task Group balloting.

Proposed: messenger Second: martin
For: 36 Against: 0 Abstain: 0

MOTION: 802.1 instructs the editor of P802.1ap (Glenn Parsons) to prepare a further draft. The Chair is authorized to submit the project for Task Group balloting.

Proposed: parsons Second: wijnen
For: 36 Against: 0 Abstain: 0

MOTION: 802.1 approves the following text, to be included verbatim or by reference in all papers and presentations submitted to 802.1:

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.

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Proposed: patton Second: finn
For: 13 Against: 7 Abstain: 19

MOTION: 802.1 authorizes its Chair to forward the liaison response to ITU-T sg15 re link aggregation as discussed in the closing plenary

Proposed: seaman Second: dunbar
For: 30 Against: 0 Abstain: 2

MOTION: 802.1 authorizes its Chair to forward the text to be found here:
<http://www.ieee802.org/1/files/public/docs2007/liaison-to-tr41-4-0307.txt>
as a liaison statement to TIA TR-41.

FINN second ROMASCANU
Yes 25 No 0 Abstain 0

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Motion to Adjourn
Proposed
Second
Unanimous

Attendees:

<u>NAME</u>	<u>SURNAME</u>	<u>Affiliation</u>
Osama	Aboul-Magid	Nortel Networks
Zehavit	Alon	Siemens/Seabridge
Alan K	Bartky	Self
Davide	Bergamasco	Cisco
Amol	Bhagwat	Cablelabs
Jan	Bialkowski	Infinera, Inc
Rob	Boatright	Harman Pro
Jean-Michel	Bonnamy	France-Telecom
Paul	Bottorff	Nortel Inc
Rudolf	Brandner	Siemens Networks GMBH & co KG
Robert	Brunner	Ericsson
Craig W.	Carlson	Qlogic
Frank	Chao	Cisco Systems, Inc
Taesik	Cheung	NOT CONFIRMED
George	Claseman	NOT CONFIRMED
Jeffrey	Coccozziello	UNH
Paul	Congdon	Hewlett Packard
Diego	Crupnicoff	Mellanox
Uri	Cummings	Fulcrum Micro Systems
Kevin	Daines	NOT CONFIRMED
Arjan	de Heer	Alcatel-Lucent
Claudio	Desanti	Cisco
Linda	Dunbar	Futurewei Technologies
Kristian	Ehlers	NOT CONFIRMED
Hesham	Elbakoury	Nortel
David	Elie-Dit-Cosaque	Alcatel-Lucent
Yacine	Elkollli	Canon
Don	Fedyk	Nortel
Felix Feifei	Feng	Samsung
Norm	Finn	Cisco Systems
David	Frattura	
John	Fuller	Gibson Guitar
Geoffrey	Garner	Samsung
Anoop	Ghanwani	Brocade
Mark	Gravel	Pro Curve Networking by HP
Eric	Gray	Ericsson
Ken	Grewal	Intel
Craig	Gunther	Harman Pro
Mitch	Gusat	IBM Research
Steve	Haddock	Extreme Networks
Brian	Hassink	Hatteras Networks

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Myron	Hattig	Intel
Brian	Hausauer	Net Effect, Inc
Asif	Hazarika	Fujitsu
Qingyi	He	UNH
Romain	Inslar	France Telecom
Raj	Jain	Washington University in Saint Louis
David	James	Self
Tony	Jeffree	Self, Cisco, Broadcom, Hewlett Packard
Paul Hongkyu	Jeong	Samsung
Thomas	Joergensen	Vitesse
Michael	Johas Teener	Broadcom
Seong Soon	Joo	ETRI
Thomas	Jost	Vitesse
Keti	Kilcrease	Cisco Systems
Doyeon	Kim	
Tae-eun	Kim	Extreme Networks
Mike	Ko	IBM
Benny	Koben	Mellanox
Raghu	Kondapalli	Marvell
Manjunath	Krishnam	NOT CONFIRMED
Bruce	Kwan	Broadcom Corp
Kari	Laihonen	Teliasonera
Marc	Lasserre	NOT CONFIRMED
Yannick	Le Goff	France Telecom
John	Lemon	Adtran
Xiaoyu	Liu	Samsung
David	Martin	Nortel Networks
Marco	Mascitto	NOT CONFIRMED
Dave	Mayne	NOT CONFIRMED
Alan	McGuire	British Telecommunications PLC
Menucher	Menuchery	Marvell Semiconductors
John	Messenger	Adva Optical Networking Ltd
Dinesh	Mohan	Nortel
Matthew Xavier	Mora	Apple Inc
Don	O'Connor	Fujitsu Network Communications
Hiroshi	Ohta	NTT
David	Olsen	Harman Pro
Bo	Osterhammel	Tellabs Denmark
Shlomo	Ovadia	Entropic Communications
Paparao	Palacharla	Fujitsu
Don	Pannell	Marvell
Glenn	Parsons	Nortel
Ken	Patton	Cisco Systems
Mark	Pearson	Hewlett-Packard
Joe	Pelissier	Brocade
Haim	Porat	Ethos Networks
Max	Pritikin	Cisco
Ananda	Rajagopal	NOT CONFIRMED
Purva	Rajkotia	NOT CONFIRMED
Karen	Randall	NSA/IAD

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Dwayne	Reeves	Fujitsu Network Communications
Robert	Roden	Lightstorm Networks
Guenter	Roeck	Teak Technologies
Josef	Roese	Deutsche Telecom
Allyn	Romanow	Cisco Systems
Dan	Romascanu	Avaya
Moran	Roth	Corrigent Systems
Jessy V	Rouyer	Alcatel-Lucent
Ali	Sajassi	Cisco
Joseph	Salowey	Cisco
Panagiotis	Saltsidis	Ericsson
Sam	Sambasivan	AT&T Labs
John	Sauer	Tellabs
Mick	Seaman	Mick Seaman
Koichiro	Seto	Hitachi Cable
Himanshu	Shah	Ciena Corp
Ravi	Shenoy	Emulex
Gopi	Sirineni	Marvell
Kevin B	Stanton	Intel
Bob	Sultan	Huawei Technologies
Richard	Sun	Dallas Semiconductor
Muneyoshi	Suzuki	NTT
John	Terry	Brocade Communications
Pat	Thaler	Broadcom
Oliver	Thorp	Fujitsu
Gilles	Thouenon	FT R&D
Fred	Tuck	EchoStar
Maarten	Vissers	Alcatel-Lucent
Dennis	Volpano	Cranite Systems
Manoj	Wadekar	Intel
Yan	Wang	Huawei
Brian	Weis	Cisco
Bert	Wijnen	Alcatel-Lucent
Ludwig	Winkel	Siemens AG
David	Wong	NOT CONFIRMED
Chien-Hsien	Wu	NOT CONFIRMED
Zong Liang	Wu	Entropic Communications Inc
Suping	Zhai	Huawei