

IEEE 802.1 Minutes, November 2006

Opening Plenary, Monday, November 13, 2006

Agenda – Tony Jeffree

Voting rules and what it consists of – Tony Jeffree

Patent Policy – Tony Jeffree

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

Use of AV devices – Tony Jeffree

Can not record meeting – this is part of IEEE rules

Members of the press 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 of presenters but it depends upon the thoughtful use of the presenters

Future Meetings – Tony Jeffree

January, Monterey, CA week of 22 Jan hosted by Michael Johas

Teener/Broadcom, planned to be a five day meeting

May 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

Carrier Ethernet workshop the week after the May interim

Will be in the ITU headquarters

3 rooms for 802.1

3 rooms for 802.3

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

Hotel block for ITU block

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

September – some discussion about Seoul or Stockholm

Executive Committee report – Tony Jeffree

Brief update on 802.20

Appointed chairman, Arnie Greenspan

Participants will undergo a “background” check to declare who they work for etc; the rest of 802 will undergo the same thing in 2007

802 task force

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

Online attendance system

May have one around 2008

Tutorial

Low power Ethernet call for interest; this may require some signaling between lower layers and upper this may affect 802.1

Wireless mesh

SEC6

802.11i and WAPI

The cooperate agreement between SC6 and IEEE 802 needs to do some work. Robin Tasker is developing responses to comments

There is now an IEEE office in Beijing

They want to hold a plenary in Beijing

AUDCOM

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

Discussion about copyright on presentation material – Tony Jeffree

Actually, don't need a copyright on the material to have a right

The assumption has been that presentation material has been released; this is not a valid assumption

Need a "cover page" that releases the presentation material

Each presentation can have a link to the rules that release the material

The presentation about this will be on the web site; everyone should take a look

Balloting process – Tony Jeffree

Wanted to move current paper based process into a database model; this is how the ballots are done at sponsor ballot

802.3 has an existing database tool that we can have access to; it takes CSV or Excel and produce the required reports and format the comments

Tony will use the 802.3 tool to learn how it works and how to incorporate it

The 802.3 tool can be run on the voter's machine and it will produce the ballot response

O & A – Tony Jeffree

Reaffirmation ballot

12 no votes – 8% - lots of comments asking for changes to the standard

The reaffirmation may fail and we are busy so do we have the time to revise this standard?

Need to go through comments and decide what needs to be done

Most likely will need to do a revision PAR

802.1AE MIB – Tony Jeffree

There is a minor error; an incorrect data type and use

A corrected MIB has been posted on the web site

An interpretation request has been submitted

Need a formal response to the interpretation request and possible raise a corrigendum

Just need a response to the interpretation request

Use the "new" IEEE OID arc

Things already generated should stay where they are

Even when revising leave the MIB where it is

Presentation of Editor Awards – Tony Jeffree

Task Group Agenda for the week – Mick Seaman

Tuesday and Wednesday for security af and ar
802.1 Congestion Management Agenda

Tuesday

1330-1345 Agenda update Thaler
1345-1400 Report from IETF transport area meeting Thaler
 802.3Qau simulation and proposals
1400-1430 Simulation Ad hoc report Wedakar
1430-1500 Sensitivity Analysis of BCN with ZRL Congestion Benchmark Gusat
1500-1515 Break
1515-1600 Case study: InfiniBand CM Parameter Tuning Gusat
1600-1630 Overview of simulation and theory work Prabhakar
1630-1700 Stability and Fairness Lu

Wednesday

0900-1000 Flow-level analysis of BCN, and its interaction with TCP Lakshmikantha
1000-1200 A simple and efficient BCN Jain
1200-1330 lunch
1330-1400 Simulation results Kwan
30 min Editor's update and discussion Finn
30 min 802.3Qau schedule Thaler

Future work

30 min Priority Pause Hazarika
30 min The Need for an Improved PAUSE Gusat

With late breaking presentations and discussion, the work is expected to extend into Thursday morning.

Internetworking

Monday

9.30-11.30 : P802.1ah Provider Backbone Bridges (Bottorff)
 Editors' review of current draft
1.00- 2.30 : 802.1 WG Opening Plenary
 Chair's opening remarks.
 Agenda setting and confirmation for week.
 Plan for responses to comments on DDCFM and PARs
 Interim meeting proposals.
2.30- 2.45 : 802 Architecture meeting report/discussion (Jeffree)
3.00- 3.15 : ITU-T SG13/SG15 Liaison (Ohta, Mohan)
3.30- 3.45 : IETF liaison (Wijnen)
3.45- 4.15 : Outstanding liaisons (Seaman)
4.15- 4.45 : PBT PAR proposal (Bottorff)
4.45- 5.15 : HVLAN proposal - for information (Porat)

Tuesday

- 9.00-10.00 : P802.1ag, Editor's review (Finn) [Interworking: Reunion H]
(this session will include security discussions considerations)
- 9.00-11.00 : P802.1af DevID, Editor's review (Borza) [Security : Cumberland F]
- 10.00-12.30 : P802.1ak Sponsor ballot resolution (Jeffree) [Interworking: Reunion H]
- 11.00-12.30 : P802.1af KeySec, Editor's review (Seaman) [Security : Cumberland F]
- 1.30- 2.30 : RBridges - IETF liaison (Gray)) [Interworking: Reunion H]
- 1.30- 5.00 : P802.1af DevID, Editor's review (Borza) [Security : Cumberland F]
- 2.30- 5.00 : P802.1ah, Editor's review (Bottorff)
PBB & CFM (Vissers)

Wednesday

- 9.00-10.00 : 802.3 liaison re extended power support in LLDP ?
- 9.00-10.00 : [Security :]
- 10.30-12.30 : P802.1af KeySec (Seaman) [Security:]
- 10.30-12.30 : [Interworking:]
- 1.30- 5.00 : P802.1AR DevID, Editor's discussion (Borza) [Security:]
- 1.30- 2.30: P802.1aq, Editor's discussion (Seaman) [Interworking:]
- 2.30- 5.00: [Interworking:]

Thursday

- 9.00-12.30 : P802.1ag, Editor's Review (Finn)[Interworking :]
- 10.00-12.00 : t.b.a ()[Interworking :]
- 1:30- 4.00 : 802.1 WG Closing Plenary []
Finalize text of proposed PARs;
review draft text and enabling resolutions for draft PARs;
IETF and ITU liaisons (as required);
document progression (enabling resolution for editors and ballots);
interim meeting consideration etc.

Liaisons reports

ITU-T SG13/SG15 – Hiroshi Ohta & Dinesh Mohan

Y.1731 and 802.1ag have differences with link trace. There needs to be some discussion of this issue at this plenary

IETF Liaisons – Bert Wijnen

IETF CCAMP – Mick Seaman

Translation of VLAN tags and other MAC information

Lots of discussion

Mick will put together an email and send it around so it can be discussed

Thursday

ITU SG15 – Glen Parsons

Ethernet rings and Ethernet ring protection

Previously, we sent liaison letter on this subject

If doing protection implies pre-assigned protection path

MEF – Mick Seaman

Reserved addresses

November 2006

Dallas, TX

MEF – Mick Seaman

UNI Type 2

Norm will sort through this

DSL Forum – Mick Seaman

CFM question – see our MIB

Proposal for future work

PBT Par – Paul Bottorff

Provider Backbone Transport

This is a proposal for a PAR

There will be a motion Thursday to allow work to begin on this project

Allowed traffic engineered paths to be created in an ah backbone

More time will be scheduled this week for discussion of this project

Tuesday AM, November 14, 2006

The security track reviewed 802.1ar/D0.7 – Mike Borza

Review the draft

Are we going to ECC?

What are the issues with using ECC?

Amount of RSA deployed

Protocols are defined using RSA but few that use ECC

How does AR setup and support the transition to AF?

Lots of discussion about the crypto and the TLS exchanges

Need lots of off-line discussion to sort through how ECC
would be used in a credential and how it affects EAP-TLS

A presentation will be developed to be provided to
the entire group so everyone can be up to speed and
a consensus can be developed

References

Should be things that are required to implement the specification and the
bibliography can have marginal things

How to validate a credential and/or how does CA sign a credential

What specification to use for identifying the signing scheme P1363
or PKCS

Discussion

Use PKCS-1 -> RSA

RFC 4492 – ECC

Definitions

Looking at DevID definition

Clause 6

<meta – change bars coming in 0.8 and will reflect the changes from 0.7
only>

Short discussion about definition of device

802.1AF Draft Review – Mick Seaman

Tuesday PM, November 14, 2006

Section 6.2.3 - Max

Lots of discussion about how to represent and what functions a certificate representation will require. The resource requirements needed to support three to four levels deep is not onerous. A footnote will be added to explain and define this discussion for the purpose of soliciting comments on the next ballot.

802.1ar draft 0.7 review – Mike Borza

Lifetime of certificates
Figure 6-3

Wednesday AM, November 15, 2006

Security Discussion – Mick Seaman

Discussion about TLS and its crypto requirements
TLS with ECDLS
RFC 4492

802.1AF – Mick Seaman

Clause 5 review

Wednesday PM, November 15, 2006

P802.1AR draft review – Mike Borza

Possible certificate signature technologies

	Sign	Verify
RSA-1024-SHA1 (L)		X
RSA-2048-SHA1 (L)		X
RSA-2048-SHA256 (A)	X	X
RSA-3072-SHA1		
RSA-3072-SHA256		
ECC-P256R1-SHA256 (D)	X	X

Discussion

Lots of discussion about the ramifications of ECC only versus ECC mandatory and RSA optional
So is it time to make ECC mandatory?
Is RSA support necessary?
Text will be swapped to adopt ECC
It was decided that requiring RSA was not necessary
The RSA stuff will be moved into Z this way we can get feedback from others in the group
Review of text for time definitions in 7.3.5
RFC 3280 validity versus AR
The difference is because AR allows the DevID to be used after the use after time
AR allows the vendor/CA tree to disappear

Closing Plenary, Thursday, November 16, 2006

Upload area on web site – Tony Jeffree

Need sftp suggest you use Winscp (free) <http://winscp.net/eng/index.php>

Gouper.ieee.org

Voting membership rules – Tony Jeffree

Patent Policy – Tony Jeffree

The two required slides were shown to the group and Tony insured that everyone is aware of the IEEE patent policy

AV Techno Toy rules – Tony Jeffree

Presentation Material – Tony Jeffree

Make it small

Future Meetings – Tony Jeffree

Jan. 22, 2007 (5 days) – Michael/Broadcom, Monterey

May 28 – 31, Geneva, joint meeting with ITU

September – Korea - Seoul or island off the south coast

Stockholm? Any week in September would work, more details to follow

We will decide in March

Straw Poll: Stockholm – 34

Korea – 36

Details on Monterey Interim

Hilton Garden Inn, Room Rate 129/night + tax, \$60 dollars per day, free parking, free Internet

Proposal that we include an explicit copyright release on all presentations

Balloting Process – Tony Jeffree

Tony is looking at the tools used by 802.3 to see if those tools can be used in 802.1

802 O & A – Tony Jeffree

Need to raise a revision PAR

Should go ahead with reaffirmation process because a revision will take some time, so the reaffirmation is needed

Link Aggregation – Tony Jeffree

802.3 is putting it into a standalone standard 802.3.1, then 802.1 can revise that as a 802.1 standard. Then 802.3.1 can be administratively withdrawn. This is the ideal path because it has minimal impact on 802.1

802.1AE MIB – Tony Jeffree

Corrected MIB and explanation has been posted on website

Approve interpretation response

Norm's interpretation request on use of reserved addresses – Norm Finn

The web site will have a correct and a response to the interpretation request will be sent through the IEEE channels

Mick has a table of reserved addresses and what entities filter/forward them in 802.1af that can be generalized for each of the standards; a table like this one should be put in 802.1Q

Old interpretation request that we did not answer – Tony Jeffree

Mick will take a look at it to draft a response

Use of “new” IEEE OID arc – Tony Jeffree

When O & A is revised this can be fixed

TG reports – Tony Jeffree

Interworking
 Trill presentation
Security
AV
CM
Sanity Check – current workload – Tony Jeffree
Table was correct to show the end dates that RevCom will use

Motions

802.1 approves the July 2006 minutes.

Proposed: wright

Seconded: messenger

For 31 Against 0 Abstain 1

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

802.1 resolves to hold an interim session in Monterey, CA, week of 22 Jan 2007, hosted by Michael Johas Teener/Broadcom

Proposed: Teener

Second: Wright

For: 39

Against: 0

Abstain: 2

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

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.”

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Dallas, TX

Proposed: Finn
Seconded: Congdon
For 37 Against 0 Abstain 2

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-mibcorrected.txt> "

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

802.1 requests EC approval to forward the draft PAR/5C for P802.1av,
Forwarding and Queuing for Time - Sensitive Streams, to NesCom.
Proposed: teener Second:
wright For: 34 Against: 0 Abstain: 3

802.1 requests EC approval to forward the draft PAR/5C for P802.1aw, Data
dependent CFM, to NesCom.
Proposed: seaman Second: messenger
For: 36 Against: 0 Abstain: 3

802.1 requests EC approval to forward the draft PAR for revision of 802.1AB
to NesCom.
Proposed: congdon Second: wright
For: 34 Against: 0 Abstain: 3

802.1 requests EC approval to forward the draft PAR for revision of 802
Overview and Architecture to NesCom
Proposed: wright
Second: patton
For: 38 Against: 1 Abstain: 2

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

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 balloting.
Proposed: finn Second: mohan

For: 39 Against: 0 Abstain: 1

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

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 authorized to issue the draft for further Sponsor recirculation balloting.

Proposed: wright Second: sultan

For: 33 Against: 0 Abstain: 2

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

Proposed: wright

Second: sultan

For: 32 Against: 0 Abstain: 2

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

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

Discussion of liaison statement to IETF and CCAMP

Mick presented his response

Nurit presented a counter proposal

Straw Poll (802.1 Voters only) – Which of these two proposals should we use?

Nurit’s – 5

Mick’s – 15

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

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.

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Proposed: seaman Second: Parsons
For: 22 Against: 0 Abstain: 3

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

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

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

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

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

Motion to Adjourn
Proposed Wright
Second David Martin
Unanimous

Attendees:

<u>NAME</u>	<u>SURNAME</u>
Osama	About-Magid
Manfred	Arndt
Davide	Bergamasco
Jan	Bialkowski
Jean-Michel	Bonnamy
Mike	Borza
Paul	Bottorff
Rudolf	Brandner
Robert	Brunner

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Frank	Chao
Paul	Congdon
Alex	Conta
Diego	Crupnicoff
William	Dai
Claudio	Desanti
Linda	Dunbar
Donald	Eastlake
Kristian	Ehlers
Hesham	Elbakoury
Don	Fedyk
Felix Feifei	Feng
Norm	Finn
John	Fuller
Sridhara	Gangula
Edna	Ganon
Geoffrey	Garner
Anoop	Ghanwani
Franz	Goetz
Mark	Gravel
Eric	Gray
Ken	Grewal
Tanmay	Gupta
Mitch	Gusat
Steve	Haddock
Takafumi	Hamano
Brian	Hassink
Brian	Hausauer
Asif	Hazarika
Qingyi	He
Swngchwl	Heo
Guy	Hutchison
Romain	Inslar
Raj	Jain
Tony	Jeffree
Michael	Johas Teener
Keti	Kilcrease
Doyem	Kim
Tae-eun	Kim
Yongbum	Kim
Marc	Kimpe
David	Koenen
Raghu	Kondapalli
Kwok	Kong
Bruce	Kwan
Kari	Laihonen
Tung	Le
Yannick	Le Goff
Marcus	Leech
John	Lemon

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Zhi-Hern	Loh
Anthony	Magee
Dan	Maltbie
David	Martin
Marco	Mascitto
Tom	Mathey
Alan	McGuire
Menucher	Menuchery
John	Messenger
Dinesh	Mohan
Bob	Moskowitz
Don	O'Connor
Hiroshi	Ohta
Shlomo	Ovadia
Tim	Ozugur
Don	Pannell
Glenn	Parsons
Ken	Patton
Neil	Peers
Joe	Pelissier
Haim	Porat
Max	Pritikin
Charles	Qi
Ananda	Rajagopal
Karen	Randall
Martin	Rhodes
Robert	Roden
Guenter	Roeck
Allyn	Romanow
Dan	Romascanu
Jessy V	Rouyer
Ali	Sajassi
Joseph	Salowey
Panagiotis	Saltsidis
John	Sauer
Mick	Seaman
Koichiro	Seto
Himanshu	Shah
Brian	Smith
Nurit	Sprecher
Matt	Squire
Kevin B	Stanton
Bob	Sultan
Richard	Sun
Muneyoshi	Suzuki
Francois	Tallet
Pat	Thaler
Sashisekaran	Thiagarajan
Oliver	Thorp
Maarten	Vissers

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Dennis	Volpano
Manoj	Wadekar
Brian	Weis
Bert	Wijnen
Ludwig	Winkel
Robert	Winter
Jeff	Wise
David	Wong
Michael D.	Wright
Chien-Hsien	Wu
Yongji	Wu
Zong Liang	Wu
Hideo	Yosimi
Suping	Zhai