

IEEE 802.1 Minutes, November 2007

Attendees and affiliations

<u>NAME</u>	<u>SURNAME</u>	<u>Affiliation</u>
Bernard	Aboba	NOT CONFIRMED
Osama	Aboul-Magid	Nortel Networks
Zehavit	Alon	Nokia Siemens Networks
Sachin	Bahadur	Force 10 Networks Inc
Michael	Bennett	NOT CONFIRMED
Caitlin	Bestler	Neterion
Jan	Bialkowski	Infinera, Inc
Jean-Michel	Bonnamy	France-Telecom
Paul	Bottorff	Nortel Inc
Rudolf	Brandner	Nokia Siemens Networks
Craig W.	Carlson	Qlogic
Rao	Cherukuri	Juniper Networks
Taesik	Cheung	ETRI
Edgar	Chung	NOT CONFIRMED
George	Claseman	Micrel
Paul	Congdon	Hewlett Packard
Alex	Conta	Transwitch corporation
Diego	Crupnicoff	Mellanox
William	Dai	Broadcom
Arjan	de Heer	Alcatel-Lucent
Claudio	Desanti	Cisco
Linda	Dunbar	Futurewei Technologies
Hesham	Elbakoury	Nortel
David	Elie-Dit-Cosaque	Alcatel-Lucent
Uri	Elzur	Broadcom
Janos	Farkas	Ericsson
Don	Fedyk	Nortel
Felix Feifei	Feng	Samsung
Norm	Finn	Cisco Systems
Bob	Frazier	Ericsson
Howard	Frazier	Broadcom
John	Fuller	Gibson Guitar
Geoffrey	Garner	Samsung
Anoop	Ghanwani	Brocade
Franz	Goetz	Siemens
Mark	Gravel	Pro Curve Networking by HP
Eric	Gray	Ericsson
Ken	Grewal	Intel
Craig	Gunther	Harman Pro
Mitch	Gusat	IBM Research
Steve	Haddock	Self
Takashi	Hasegawa	Hitachi Cable
Brian	Hausauer	Net Effect, Inc
Asif	Hazarika	Fujitsu
Romain	Insler	France Telecom
David	James	Wife Self, Cisco, Broadcom, Hewlett Packard,
Tony	Jeffree	Adva
Thomas	Joergensen	Vitesse

Michael	Johas Teener	Broadcom
David	Johnston	NOT CONFIRMED
Thomas	Jost	Vitesse
Prakash	Kashyap	Extreme Networks
Keti	Kilcrease	Cisco Systems
Philippe	Klein	Broadcom
Mike	Ko	IBM
David	Koenen	HP
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Ben	Mack-Crane	Huawei
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Kevin	Nolish	Ericsson
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Hiroshi	Ohta	NTT
Stephen	Oliva	Sprint
David	Olsen	Harman Pro
Rong	Pan	Cisco Systems
Don	Pannell	Marvell
Glenn	Parsons	Nortel Networks
Ken	Patton	Cisco Systems
Joe	Pelissier	Cisco
Brian	Petersen	Broadcom
David	Peterson	Brocade
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Max	Pritikin	Cisco
Ananda	Rajagopal	Foundry Networks
Karen	Randall	NSA/IAD
Yaron	Rashi	Provigent
Dwayne	Reeves	Fujitsu Network Communications
Robert	Roden	Lightstorm Networks
Guenter	Roeck	Teak Technologies
Josef	Roese	Deutsche Telecom
Dan	Romascanu	Avaya
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Jessy V	Rouyer	Alcatel-Lucent
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Panagiotis	Saltsidis	Ericsson
Satish	Sathe	Brocade
John	Sauer	Tellabs
Mick	Seaman	Mick Seaman
Koichiro	Seto	Hitachi Cable
Himanshu	Shah	Ciena Corp
Ravi	Shenoy	Emulex
Gopi	Sirineni	Marvell
John	Sisto	SMSC
Nurit	Sprecher	Nokia Siemens Networks
Kevin B	Stanton	Intel
Bob	Sultan	Huawei Technologies
Richard	Sun	Dallas Semiconductor
Muneyoshi	Suzuki	NTT
George	Swallow	Cisco Syatems
Attila	Takacs	Ericsson
John	Terry	Brocade Communications
Pat	Thaler	Broadcom
Oliver	Thorp	Fujitsu
Fred	Tuck	EchoStar
Dimitry	Vaysburr	NOT CONFIRMED
Maarten	Vissers	Alcatel-Lucent
Manoj	Wadekar	Intel
Yan	Wang	Huawei
Niel D	Warren	Apple Inc
Brian	Weis	Cisco
Bert	Wijnen	Alcatel-Lucent
Ludwig	Winkel	Siemens AG
David	Wong	NOT CONFIRMED
Michael D.	Wright	Panoptic Security
Chien-Hsien	Wu	Broadcom
Ken	Young	Gridpoint Systems

Pre-meetings, Monday, November 12, 2007

Both the AV and Internetworking Task Groups held pre-meetings

Opening Plenary, Monday, November 12, 2007

Agenda

Officers

Web Site Information

Membership

Review of Affiliation definitions

Chair/Vice Chair elections

Existing chair and vice-chair intend to stand for re-election

802.1 WG & TG Operations

IEEE Patent Policy

The call for patents was made and no one spoke up

The required five slides were shown and the patent policy was reviewed
AV recording devices and other techno toys
Not allowed by 2006 SA ops manual
Presentation materials
Remove copyright statements
Interim meeting
Sofia Antipolis is not possible for May 2008 due to scheduling conflicts but will try for 2009
A suggestion is Israel
Week of May 12, 19, or 26 is a possibility
There is MEF meeting the first part of May
802.3 has confirmed Munich for May
Need to make a final decision at the closing Plenary
September 2008
Some amount of trouble with dates for York
Week of September 22 has been proposed
Same location as last time
Cost similar to last time
May have ChengDu with a joint .3 interim
January 2009
Need to start thinking about this one
Exec report
802.1ag has been approved
Many thanks to Norm
Cor-1 PAR for 802.1ak has been approved
Get 802
Back to 6 month window
Income YTD is ~170K below target
Further discussion Wednesday 10 – 11
Interpretations now have to be approved by the EC. Need retroactive approval for any since 2006
Chair term limits – interpretation by 802.1 Chair
Use 8 year and 1 day mark a candidate will need 75% approval of members voting (YES/(YES + NO)) to be allowed to seek re-election.
Tony will need such approval this time
Non-North American Venues
Discussion about the issues
Motion: 802.1 gives permission to Tony to run for a fifth term as 802.1 WG Chair
Proposed Teener
Seconded Wright
For: 54
Against: 0
Abstain: 0
Email List
Discussion about how to manage email
P802.1Qab and P802.1Qaz discussion

Discussion about whether this work should be combined
Solve a small and specific problem set
These two standards do not overlap hence editorial and technically there should not be an issue
Both are inventing new de-queuing algorithms in .1Q but that are partitioned
The ballot process will keep things sorted out

Interpretation requests outstanding

802.1AB – need to get this one sorted out

Choice of addresses for the various scopes in P802.1AB-Rev

Individual LAN

Nearest customer bridge

Nearest non-TPMR

Suggested that we fix these now in AB-REV and AJ

Views

Good agreement and there will be a motion Thursday to set this

Liaisons

Energy Efficient Task Group – Mike Bennett

(Unconfirmed) Chair 802.3az

Discussion about separation of responsibilities

The control policy is not defined within the domain of .3az

Straw Poll about preferred transition time

Usecs: 39

Msecs: 3

Secs: 0

Don't Care: 1

Would 802.1 like to take on the EEE Control Policy?

Yes: 21

No: 6

Don't Care: 15

IANA Ethernet Considerations Internet Draft - Bert Wijnen

State diagram format

We have been using format from 802.3 but some folks want to consider alternatives

Discussion:

Continue this discussion Thursday

This would only affect new work and not past projects

Tables versus Diagrams

TG Agendas

Interworking Task Group - Steve

Security - Mick

.1af and .1ar

Tuesday .1af

Through Thursday morning

Change the .1af PAR to a revision so things can be cleaned up better

AVB – Michael Teener

Wed. PM discussions with 802.11
CM – Pat Thaler
Data Center bridging tutorial tonight

Tuesday AM, November 13, 2007

All the task groups, security, data center bridging, internetworking, and AV, met in parallel

Security Task Group

Patent disclosure

Call for patents

Review .1af d1-7 draft – Mick

Need to get network sorted out

Get into a form that Mick can document

Sufficient understanding so MIB work can start

Working group ballot after Jan Interim

Issue with the address structure

How the MIB represents all the places in the stack a .1AE/.1AF entity may occur

Simplifying options of what goes into a port interface stack

Use to be switch in stack

All key agreement frames are now EAPOL frames

The PAE now contains the key agreement entity

Figure 6-2 page 19 is a representative example

This approach allowed text to be removed and Mick has attempted to line things up after removing the text.

*At the last meeting decided to remove variables that we really did not understand to reduce confusion

Removed the attempts to combine two one-way authentications to create a two-way authentication

Review of Clause 6

Link Aggregation is back in six

Review of Clause 7

Added several different application scenarios

There needs to be some work added to the group cases

Review of Clause 8

Currently using the TLS example

RFC 4017 – How 802.11 uses EAP – definitions and requirements

Review of Clause 9

There were a couple of changes in the PDU formats

Discussion about key hierarchy

Tuesday PM, November 13, 2007

All the task groups, security, data center bridging, internetworking, and AV, met in parallel

Security Task Group

Patent disclosure

Call for patents

Network Advertisement and Selection – Joe Salowey

Advertisement

Solicited or un-solicited

Format is set of TLVs

New EAPOL type

Stateless

Multicast or Uni-cast

What is the case for Uni-cast? Discussion

Decided on multi-cast only

Frame format

Discussion of the style of TLV

This follows the AB style

No nesting of TLV

If you do not understand the TLV skip it

Discussion about parsing the TLVs

NID TLV format

Discussion of the capabilities field

What is it?

How is it used?

This provides a mechanism to allow some access in the face of authentication failure

The name is confusing but the functionality is useful

NID Authorization Mechanisms

NID Capabilities

If you want to do the default then you do not need to go through the advertise/solicit phase

This is analogous to the untagged VLAN

Default Network is not the correct term

It should be unselected or auto-selection NID

This needs to be compared with the logon process describe in clause 11

NID Authorization Mechanisms

How to handle the auto-selection and the no authentication mechanism case

Optional TLVs

Key management domain

802.1ae cipher suite

Organizationally specific

Advertisement Request

Need a side affect free

Has a new packet type – EAPOL-ADREQ

There can be TLVs

Network Selection

Built on EAPOL-Start

Lots of discussion

How is the selector used?

Do we need selectors in the EAP case?

Lots more discussion

The advertisement does not do policy

How does this get down to selector?

Need to sort out what are the use cases so the discussion can be focused upon a finite set

Time line

MIB should be done, at least the structure, by Jan.

802.1af PAR discussion – Mick

The PAR has to be revised in a specific and limited way

Need to get a PAR revision ready today so it can be sent to the exec-committee forty-eight hours before the exec's closing meeting

Review of 802.1ar draft – Max

Need to review appendix C

Discussion of crypto primitive requirements

Will use SHA-256 with RSA

Two main open items is MIB and ECC

Review of ballot comments of 802.1ar – Max

Wednesday AM, November 14, 2007

All the task groups, security, data center bridging, internetworking, and AV, met in parallel

Security Task Group

Patent Policy Review – Mick

P802.1AR Review of appendix C - Paul

No SHA-256 in TPM so hashes outside and insert, which is allowed in AR

The initial dev id and the lack of SHA-256 is the two big issues between TPM and AR

P802.1AR Ballot Comment Review – Max

Looking at the requirement of WiMax and TPM to insure there are no conflicts

Work on section 6.3.4 to sort out the storage requirements in such a way that a PICS statement can be formulated

Discussion about how best to resolve this issue

Writeable MIBs

Relationship with 1363

Right now we simply reference 1363, may need to understand 1363 better

We should check out 1363; Karen sent a request to get some documentation

We need to sort this out before sponsor ballot

Wednesday PM, November 14, 2007

All the task groups, security, data center bridging, internetworking, and AV, met in parallel

Security Task Group

P802.1af – Network Advertisement – Mick

Review the problem to get a sufficient understanding so that some words can be put in the draft

How to maximize interoperability when you do not know what the other side has implemented

Discussion of capabilities

Advertising capabilities to provide access

Capabilities

EAP

EAP+MKA

EAP+MKA+MACSec

MKA

MKA + MACSec

None required for full access

Unauthenticated (implies limited access)

Web Auth/Higher Layers

<the following are failure states after apply the above>

Unauthenticated after EAP failure

Unauthenticated after MKA failure

Unauthenticated after EAP+MKA failure

These capabilities will guide the choices of where the client will end up
In a shared media environment then you must use the source MAC to map to the correct VLAN

We need to add in the appendix some words about the threat model and consequences of choices of and limitations of the various capabilities

Discussion about how the best way to represent the list in a frame

Bit mask versus TLV.

With a vendor specific bit then both worlds can exist

We have not discussed default

Not really – none required for full access or unauthenticated

(implies limited access) should be considered the default

Discussion about default in the face of having and not having selection

P802.1AR Ballot comment review – Max

The committee reviewed ballot comments

Cleaning up references

SNMPv3 references

Resolutions for tomorrow - Mick

.1af par update

.1af progression new draft and ballot

.1ar progression new draft and task group ballot (ECC, operational I/F, and MIB)

Liaison with DSL about authentication

Back to comment review

Security objectives discussion

DSL Liaison – Mick

Reviewed the letter and discussed the best answer

The best solution is point them to .1aj and .1af drafts

Thursday AM, November 15, 2007

All the task groups, security, data center bridging, internetworking, and AV, met in parallel

Security Task Group

Patent Policy Review – Mick

Key size discussion

Advertisement discussion

P802.1af MIBs – Mick

Closing Plenary, Monday, November 15, 2007

Voting members

Patent Policy

Review of the patent policy and the required slides were shown

The patent call was made each morning in each of the task groups

AV & other techno toys

Interim meetings

Los Gatos Jan 28-31

May 2008

Israel, which week?

Not the 26th

802.3 is the week of the 12th in Munich

The week of the 12th

Sept 2008

York week of the 22nd

ChengDu, China – possible joint with 802.3

Jan 2009

Any ideas?

TG Reports

Internetworking – Steve

ah comment resolution completed

ah ready for sponsor ballot

ab-rev – MIB stuff

ap made sufficient progress to do a new WG ballot

aq ready for new task group ballot

qaw – ready for new ballot

qay – got through all the presentations, ready for TG ballot

Security – Mick

.1af – reviewed draft and decided that the PAR needs revision to make the project a .1x revision, will be doing WG ballot after Jan. interim

.1ar – ballot comment review, and lining up with TPM and WiMax, will be doing TG ballot after Jan. interim. Waiting for text on ECC

Liaison with DSL forum – telling them to take a look .1af and .1ak

AVB – Michael

as comment resolution

Reviewed assumptions

Discussion with IEEE P1722

Looking at shared LANs

Review Tspec assumptions

Qat/qav are nearly ready for ballots

Joint meeting with .11 streaming to discuss error detection/correction

They want to increase the joint work

New PAR for the overview document

CM a.k.a. Data Center Bridging – Pat

2.5 days of meetings

Better name for group – Data Center Bridging

CM – proposal for modification to QCM

Transmission Selection – motion to approve PAR and forward to exec, there were no comments or changes to the PAR

Priority based flow control – edited PAR and want to circulate it to get approval of the PAR in March

Looking at doing an overview or best practices document

Workload

.1H needs editor

O&A no work yet

.1AX is at sponsor ballot

.1Q needs a revision

The end of 2008 is the date we need to revise Q, we need to be aware of what projects need to get rolled into the revision

State machine diagram formats

Wait until it is needed before we decide what to do

Closing Agenda

Liaisons received:

Feb liaison from MEF: <http://www.ieee802.org/1/files/public/docs2007/liaison-mef-from-jan-2007-meeting-0207.doc>

Proposed response: <http://www.ieee802.org/1/files/public/docs2007/liaison-proposed-response-to-mef-from-jan-2007-meeting-0707.doc>

<http://www.ieee802.org/1/files/public/docs2007/liaison-itut-sg15-ls-158-0707.doc>

<http://www.ieee802.org/1/files/public/docs2007/liaison-itut-sg15-ls-173-0707.doc>

<http://www.ieee802.org/1/files/public/docs2007/liaison-itut-sg15-ls-185-0707.doc>

<http://www.ieee802.org/1/files/public/docs2007/liaison-itut-sg15-ls-174-0707.doc>

<http://www.ieee802.org/1/files/public/docs2007/liaison-dsl-forum-auth-for-wt146-0707.doc>

IETF – CCAMP – Re Qay

Sanity check – current workload

- 802.1AC (MAC Service): Second draft. End date Dec '08
- 802.1af (Key agreement): WG ballot. End date Dec '08
- 802.1ah (Backbone PB) Sponsor ballot. End date Dec '08
- 802.1aj (Two-port relay) WG ballot. End date Dec '08
- 802.1ap (Q MIB). WG ballot. 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) – TG ballot. End date Dec '10
- 802.1Qat (SRP) TG ballot. End date Dec '10
- 802.1Qau (Congestion Notification) PAR approved. End date Dec '10
- 802.1Qav (AVB Forwarding & Queuing) - TG ballot
- 802.1H revision - PAR approved
- 802.1AB (LLDP) revision – WG ballot
- 802.1Qaw (DD-CFM) – TG ballot
- 802 O&A – Revision PAR approved
- 802.1Qay – PBB-TE – TG ballot
- (802.1AX - Link Agg – PAR approved (but .3 project)
- 802.1ak-CORR-1 - WG ballot
- 802.1X-REV (will replace 802.1af) PAR
- 802.1Qaz – PAR
- 802.1BA – PAR in March
- 802.1Q-REV – PAR in March

State diagram format

- Tabular or diagrammatic?
- Discussion about the format of diagram

Motions

MOTION

802.1 approves the July 2007 and September 2007 minutes.

Proposed: Wright

Second: Messenger

For 44 Against 0 Abstain 0

MOTION

802.1 resolves to authorize post-meeting(s) on the Friday morning of the March 2008 plenary session subject to confirmation and statement of agenda at the Jan interim meeting.

Proposed: Fuller

Second: Wright

For: 30 Against: 8 Abstain: 12

MOTION

802.1 resolves to hold pre-meeting(s) on the Monday morning of the March 2008 plenary session.

Proposed: Wright

Second: Congdon

For: 47 Against: 0 Abstain: 1

MOTION

802.1 resolves to hold an interim meeting in Eilat, 12th-15th May 2008.

Proposed: Porat

Second: Martin

For: 29 Against: 6 Abstain: 18

MOTION

802.1 resolves to hold an interim meeting in ChengDu, week of 15th September 2008.

802.1 Proposed: Dunbar

Second: Congdon

For: 36 Against: 2 Abstain: 16

MOTION

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

Proposed: Teener

Second: Fuller

For: 29 Against: 0 Abstain: 20

MOTION

Motion: The CN 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: Congdon

For: 24 Against: 0 Abstain: 15

MOTION

Motion: 802.1 resolves to assign the following reserved addresses:

–Nearest customer bridge 01-80-C2-00-00-03

–Nearest non-TPMR bridge 01-80-C2-00-00-0F

Proposed: Finn

Second: Congdon

For: 38 Against: 0 Abstain: 8

MOTION:

802.1 confirms its offer to the MEF of non-exclusive use of the 01-80-C2-00-00-07 address as per Slide 28 of <http://www.ieee802.org/1/files/public/docs2004/04-11%20closing%20plenary.ppt>. This address will be documented in 802.1Q and the MEF use identified as one of potentially many protocols with similar scope.

Proposed: Haddock

Second: Wright

For 33 Against 0 Abstain 12

MOTION

802.1 resolves to approve the following response to the outstanding 802.1AB interpretation request and to request EC approval to forward it to the IEEE as an approved response:

"The requester is correct in his assertion that bit 0 of the ifMauAutoNegCapAdvertisedBits data type would properly be encoded in bit 8 (the most significant bit) of the first octet of the LLDP PMD auto-negotiation advertised capability field, and that bits 0 through 7 of the bitstring are encoded in bits 8 through 1 of the capability field, respectively, with bits 8 through 15 of the bitstring being encoded in bits 8 through 1 of the second octet of the field.

The above describes the bit and octet ordering in the LLDPDU that is passed across the MAC service boundary between LLDP and the underlying MAC service. Naturally, the representation of the data in this field in the MAC data frames, and the subsequent physical encoding, will follow whatever rules apply to the MAC/PHY technology that supports the operation of the protocol."

Proposed: Congdon

Second: Finn

For 22 Against 0 Abstain 25

This is the interpretation request:

Please read the following and respond with whether this is a true assessment of the standard or is this incorrect. Thank you.

IEEE Std 802.1AB-2005

G.2.2 PMD auto-negotiation advertised capability field the PMD auto-negotiation advertised capability field shall contain an integer value as defined by the ifMauAutoNegCapAdvertisedBits object in IETF RFC 3636

RFC 3636 says:

ifMauAutoNegCapAdvertisedBits OBJECT-TYPE

```

SYNTAX BITS {
    bOther(0),      -- other or unknown
    b10baseT(1),   -- 10BASE-T half duplex mode
    b10baseTFD(2), -- 10BASE-T full duplex mode
    b100baseT4(3), -- 100BASE-T4
    b100baseTX(4), -- 100BASE-TX half duplex mode
    b100baseTXFD(5), -- 100BASE-TX full duplex mode
    b100baseT2(6), -- 100BASE-T2 half duplex mode
    b100baseT2FD(7), -- 100BASE-T2 full duplex mode
    bFdxPause(8),  -- PAUSE for full-duplex links
    bFdxAPause(9), -- Asymmetric PAUSE for full-duplex
                    -- links
    bFdxSPause(10), -- Symmetric PAUSE for full-duplex
                    -- links
    bFdxBPause(11), -- Asymmetric and Symmetric PAUSE for
                    -- full-duplex links
    b1000baseX(12), -- 1000BASE-X, -LX, -SX, -CX half
                    -- duplex mode
    b1000baseXFD(13), -- 1000BASE-X, -LX, -SX, -CX full
                    -- duplex mode
    b1000baseT(14), -- 1000BASE-T half duplex mode
    b1000baseTFD(15) -- 1000BASE-T full duplex mode
}

```

RFC 1906 says:

(3) When encoding an object whose syntax is described using the BITS construct, the value is encoded as an OCTET STRING, in which all the named bits in (the definition of) the bitstring, commencing with the first bit and proceeding to the last bit, are placed in bits 8 to 1 of the first octet, followed by bits 8 to 1 of each subsequent octet in turn, followed by as many bits as are needed of the final subsequent octet, commencing with bit 8. Remaining bits, if any, of the final octet are set to zero on generation and ignored on receipt.

ITU-T Recommendation X.690 says:

6.2 For the purposes of this Recommendation | International Standard only, the bits of an octet are numbered from 8 to 1, where bit 8 is the "most significant bit", and bit 1 is the "least significant bit".

From this, I conclude that bOther is the MSB of the first octet, b10baseT is the next octet down, and so on. That would make a field value of 0x0136 as being:

b100baseT2FD, bfdxSPause, bfdxBPause, b1000baseXFD, b1000baseT

I.e., at least as I read the standards in question, Wireshark is dissecting the packet correctly, and if that's not what the folks at XXXX intended, they misread the standard.

MOTION

802.1 requests EC approval to forward the draft PAR for 802.1X-REV, to NesCom, and to withdraw the P802.1af PAR that it replaces.

Proposed: Seaman

Second: Wright

For: 40 Against: 0 Abstain: 9

MOTION

802.1 requests EC approval to forward the draft PAR for 802.1Qaz, to NesCom.

Proposed: Thaler

Second: wadekar

For: 38 Against: 1 Abstain: 16

MOTION

802.1 requests permission of the EC to forward P802.1ah to Sponsor ballot.

Proposed: Haddock

Second: Bottorff

For: 44 Against: 0 Abstain: 7

MOTION

802.1 authorizes the Chair to pre-circulate the Priority-based Flow Control draft PAR to the EC prior to the March meeting in order to meet the 30-day rule.

Proposed: Thaler

Second: Desanti

For: 29 Against: 7 Abstain: 22

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 Working Group balloting.

Proposed: Haddock

Second: Parsons

For: 44 Against: 0 Abstain: 7

MOTION

802.1 instructs the editor of P802.1aq (Mick Seaman) to prepare a further draft. The Chair is authorized to submit the project for Task Group balloting.

Proposed: Haddock

Second: Fedyk

For: 39 Against: 0 Abstain: 8

MOTION

802.1 instructs the editor of P802.1aw (Linda Dunbar) to prepare a further draft. The Chair is authorized to submit the project for Working Group balloting.

Proposed: Haddock

Second: Dunbar

For: 39 Against: 0 Abstain: 1

MOTION

802.1 instructs the editor of P802.1Qay (Panos Saltsidis) to prepare a further draft. The Chair is authorized to submit the project for Task Group balloting.

Proposed: Haddock

Second: Saltsidis

For: 40 Against: 0 Abstain: 0

MOTION

802.1 instructs the editor of P802.1ak-Cor-1 (Tony Jeffree) to prepare a further draft. The Chair is authorized to submit the project for Working Group balloting.

Proposed: Haddock

Second: Messenger

For:39 Against: 0 Abstain: 2

MOTION

802.1 instructs the editor of P802.1aj (Tony Jeffree) to prepare a further draft following completion of the resolution of ballot comments at the January Interim. The Chair is authorized to submit the project for Working Group balloting.

Proposed: Haddock

Second: Messenger

For: 44 Against: 0 Abstain: 2

MOTION

802.1 instructs the editor of P802.1AB-REV (Tony Jeffree) to prepare a further draft . The Chair is authorized to submit the project for Working Group balloting.

Proposed: Haddock

Second: Wright

For: 44 Against: 0 Abstain: 1

MOTION

802.1 instructs the editor of P802.1AS (Geoff Garner) to prepare a further draft. The Chair is authorized to submit the project for Task Group balloting.

Proposed: Fuller

Second: Garner

For: 40 Against: 0 Abstain: 7

MOTION

802.1 instructs the editor of P802.1Qat (Felix Feng) to prepare a further draft. The Chair is authorized to submit the project for Task Group balloting.

Proposed: Fuller

Second: Feng

For: 36 Against: 0 Abstain: 7

MOTION

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

Proposed: Fuller

Second: Feng

For: 37 Against: 0 Abstain: 6

MOTION

802.1 instructs the editor of P802.1af (Mick Seaman) to prepare a further draft. The Chair is authorized to submit the project for Working Group balloting.

Proposed: Seaman

Second: Wright

For: 36 Against: 0 Abstain: 8

MOTION

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

Proposed: Seaman

Second: Pritikin

For: 34 Against: 0 Abstain: 7

MOTION

802.1 authorizes the AVB TG to prepare a draft PAR for P802.1BA Audio Video Bridging Systems during the January interim. The Chair is authorized to pre-circulate the draft to the EC to meet the 30-day rule.

Proposed: Fuller

Second: Garner

For: 38 Against: 0 Abstain: 3

MOTION

802.1 resolves to forward the attached liaison contribution to DSL Forum re: Subscriber Authentication in DSL Networks. The original liaison was

<http://www.ieee802.org/1/files/public/docs2007/liaison-dsl-forum-auth-for-wt146-0707.doc>

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Proposed: Seaman

Second: Wright

For: 28 Against: 0 Abstain: 8

Thank you for your liaison re: Subscriber Authentication in DSL (May 25th 2007)

<http://www.ieee802.org/1/files/public/docs2007/liaison-dsl-forum-auth-for-wt146-0707.doc>

we would like to draw your attention to the possibility of using P802.1af in conjunction with P802.1aj to meet a number of your requirements.

Attachments:

P802.1aj D2.2 TPMP (Amendment to IEEE Std 802.1Q: Two Port Mac Relay)
P802.1af D1.7 Key Agreement for MAC Security

It is anticipated that Project 802.1af will soon be formally identified as a full revision of P802.1X.

MOTION

802.1 authorize the WG Chair to forward the attached liaison contribution to OIF.

Proposed: Haddock

Second: Bottorff

For: 29 Against: 1 Abstain: 6

Liaison letter: liaison-oif2007-280-03-1107.pdf

OIF – Liaison response

To: Mr. Jim Jones, OIF TC Chair

Cc: Mr. Lyndon Ong, Ciena Corporation, lyong@ciena.com
Mr. Alex Conta, TranSwitch Corporation, aconta@txc.com
Mr. Stephen Shew, Nortel Networks, sdshew@nortel.com

From: Mr. Tony Jeffree, IEEE 802.1 Working Group Chair, tony@jeffree.co.uk

Subject: Liaison response to OIF on Ethernet Software Application Programming Interface (API)

Dear Mr Jones,

Thank you for your liaison on Ethernet Software Application Programming Interface (API). We have made a note of your activities on Software API definition work in the OIF Software Working Group.

You can always view our on-going activities at <http://www.ieee802.org/1>.

Thank you.

Tony Jeffree

IEEE 802.1 Working Group Chair

MOTION

802.1 authorizes its Chair to forward the liaison response to ITUT – original liaison contained in: liaison-itut-ls-117-1007.pdf

Proposed: Haddock

November 2007

Atlanta, GA

Second: Wright

For: 40 Against: 0 Abstain: 2

Liaison to ITU-T

To: Mr. Dave Sidor, Nortel, djsidor@nortel.com

From: Mr. Tony Jeffree, IEEE 802.1 Working Group Chair, tony@jeffree.co.uk

Subject: Liaison response to ITU-T SG4 on Rechartering of the NGN Management Focus Group

Dear Dave ,

Thank you for your liaison providing updates on the NGN Management Focus Group (NGNMFG).

We currently have a number of on-going projects which can be viewed at <http://www.ieee802.org/1>. Some on-going activities that might be of interest to you for NGNMFG include:

- P802.1ap - "Management Information Base (MIB) definitions for VLAN Bridges" which plans to define SMIV2 MIB modules for the management of VLAN-aware Bridge capabilities including Spanning Tree Protocols, Provider Bridges, and Provider Backbone Bridges. This standards is also planning to update and complete SMIV2 MIB modules that support standardized management of the capabilities defined in Std 802.1Q
- In addition to P802.1ap, all other on-going standard projects also define relevant Bridge Management Objects (Clause 12 extensions) and MIB (Clause 17 extensions).

We would also like to thank you for extending an invitation to IEEE 802.1 participants to register at the offered website to follow NGNMFG activities and documentation. This offer has been communicated to the IEEE 802.1 members.

Thank you.

Tony Jeffree

IEEE 802.1 Working Group Chair

MOTION

IEEE 802.1 to use the Ethertype 88e7 for identification of the 802.1ah I-TAG. The ownership of 88e7 will be transferred to IEEE 802.1.

Proposed: Bottorff

Second: haddock

For 32 Against 0 Abstain 7

MOTION

Approve the attached liaison response to MEF.

Proposed: messenger

Second: wright

November 2007

Atlanta, GA

For 35 Against 0 Abstain 4

To: MEF Technical Committee

From: IEEE P802.1

Date: November 2007

Thank you for your liaison dated 30th October 2007 regarding your NID project. Please find enclosed the latest draft 2.2 of 802.1aj Two Port MAC Relay. We would encourage you to consider referencing this document in your work. This project currently has an end date of December 2008, but we are not able to predict when the project is likely to complete at this stage.

Regards,

Tony Jeffree, Chair, IEEE P802.1

MOTION

Motion to Adjourn

Proposed: Wright

Second: Messenger

Unanimous