

IEEE 802.1 Minutes, September 2003

Note: Link Security Meeting Notes are posted separately. They are referenced here and to be found in <http://www.ieee802.org/linksec/meetings/Sep03/>

Interim Meeting, Monday AM, September 22, 2003

Agenda – Tony Jeffree

- Officers
- Website
- Voting membership
- Operations

IEEE Patent Policy – Tony Jeffree

Tony showed the two slides explaining the IEEE Patent Policy to the committee so that everyone knows the policy.

Jan '04 Interim – Vancouver – Tony Jeffree

Most of 802 (.11, .3, .1, .15)
March 2004 – not for sure yet where the meeting will be

Handoff – Tony Jeffree

Seems like they have decided on the merits of a separate WG

Task Group – Mick Seaman

- MACSEC
- P802.1ab
 - Ballot resolution
- P802.1Q maintenance/1ad split
- P802.1ad/D1.3 on web site
- Provider priority discussion update
- Large scale Q in Q update
- Ongoing P802.1ad/D1 ballot resolution

MACSEC – Dolores Sala

Monday and Tuesday

Functions of MACSEC – Mick Seaman

LinkSec CipherSuites Revisted – David Johnston (Intel)

Interim Meeting, Monday PM, September 22, 2003

LinkSec Frame Formats – David Johnston (Intel)

There was much discussion about requesting .3 to increase the MTU. It was noted that .3 would like to see a single mechanism to handle these types of requirements. .1 will put the various requests into a single request to .3 to increase. There will not be any fragmentation of MAC frames

Receive DeMux – Mick Seaman

Interim Meeting, Tuesday AM, September 23, 2003

Tony Jeffrey 8021x - Disposition of Comments

comment 12. Discussion of handling of pre-auth. See <http://www.drizzle.com/~aboba/IEEE/preauth.doc>

pre-auth- in 802.11, move between APs because better signal, need an interoperable method for handoff. Violates layering. Is it a layer 2 or layer 3 frame? This is a hack. Going from AP in L2 to AP L2 in another domain.

They are asking for an ethertype that can get into the network, that goes through 802.1x. Punches a big hole in the network. The destination MAC address isn't necessarily an AP. Very dangerous. A lot of people don't like pre-auth, but want interoperable fast handoff, that is the argument. There are alternative solutions. Bad practice to admit etherypes that you don't know what to do with. It's a security hazard. 802.1 has no view on pre-auth, but has a strong view on use of etherypes used to punch a hole in network. This discussion makes comment 12 moot. Bob M will coordinate a response expressing what 802.1 feels about what 802.11i is doing with respect to etherypes.

802.11i ad hoc in October is a voting ad hoc

Administrative Stuff – Tony Jeffree

Mailing lists in 802, there is agreement that any member of one 802 group can get on mailing list of any other 802 group, no such thing as a closed mailing list wrt 802

We should schedule time in November for discussion of architecture with respect to handoff. DJ is going to give an update on what handoff thinking later this week. At next meeting, they will ask for a PAR. Let's consider this Tuesday morning at the Plenary, as early as possible as part of their PAR process.

Changes to the control port. No longer optional? What are implications with respect to the conformance clause? Tony will make updates to 802.1aa document.

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MIB discussion

The rest of the day was LinkSec – the minutes for LinkSec are located at http://www.ieee802.org/linksec/meetings/Sep03/minutes_linksec_september03.doc

Interim Meeting, Wednesday AM, September 24, 2003

P802.1AB-D5.1 Discovery Protocol – Bill Lane and Paul Congdon

Ballot resolution D5.1

The ballot resolution is on the website

Interim Meeting, Wednesday PM, September 24, 2003

P802.1ab-D5.1 Discovery Protocol – Bill Lane and Paul Congdon

Discussion of how to handle malformed TLVs.

Annex G

Lifted from 802.3 Clause 43B

Need to put some numbers in Annex G for 802.1

Discussion about the history and reason for using slow protocols for LLDP.

This should not be called Slow protocol rather it is a slow protocol.

Discussion about what address ranges should be filtered by customer bridges and provider bridges. This is a discussion about how to divide the address space between providers and customer bridges.

We will use one of the sixteen addresses and call it All Stations this LAN. Then the LLDP will allocate an Ethertype at sponsor ballot.

Discussion of Working Group versus Task Group ballot

If we agree too then this can go Working Group. If we do task group ballot then the thirty day ballot time for Working Group ballot could be an issue. Paul and Bill would like to have another ballot before November. The choice appears to

be clear do a task group ballot and then have a working group out of November;
hence, a recirculation ballot in January and prepare for sponsor ballot.

Provider Priority Discussion – Mick Seaman

General models, history, architecture

Review of the history of why priority and interfaces are the way they are. This was required because in the past we had several different MAC types to deal with.

Per service instance there is a table to map customer VLAN tag to provider

Large Scale Q in Q – Mick Seaman

Reserved MAC address discussion – Mick Seaman

802 Handoff ECSG Overview – David Johnston

What has been done and what areas of interception exist

This presentation is on the website

Interim Meeting, Thursday AM, September 25, 2003

Remaining Schedule – Mick Seaman

We will close around 5 this afternoon.

Review of the current state of .1ad and .1Q maintenance – Mick Seaman

Care must be taken with this Clause 8 and the corresponding stuff in .1Q. So the cleanup of Q must get done right quickly.

Goal is to make the provider bridge stuff to move faster than the .1Q maintenance

Review of Clause 8 in 802-1ad-D1-3 – Mick Seaman

The management section and all other references will now simply state do SNMP.

This revision should not change the conformance testing – if it appears it has Mick would like to know.

Need to make sure the integration of controlled and uncontrolled port is correct (Figure 8-16 for example)

There was much discussion about the relationship of forwarding and learning in the current .1Q and how it needs to be corrected. (Figure 8-4)

Need the all VLANS tag so the specification is correct about filtering the required MAC address (Table 8-1) without having 4096 filtering databases. The specification does not read such that an entry in a filtering database is for all VLANS.

MACSEC Par discussion – Mick Seaman

P802.1af – Authenticated Key Agreement for Media Access Control (MAC) Security – Acronym/Short Name MKA

P802-1AD-d1 Vote Disposition – Mick Seaman

Discussion of project scope

Interim Meeting, Thursday PM, September 25, 2003

PAR – Provider Bridge Operation, Administration, and Maintenance – Norm Finn

Lots of discussion about how to limit the scope to doing traceroute and ping

Norm will work off line and distribute a new revision on the mailer

We can not do a formal communications but an unofficial communications can be made to ITU that we are working on this and intend to do the work.

It is possible to have some formal communications after the November plenary and send such communication to the ITU interim, which is the week after our November plenary.

MACSEC in MAC service sub-layer – Mick Seaman

Looking at the location of ISS, EISS, and MACSEC to understand how the packets will flow across a provider network

GVRP – Norm Finn

There are some optimizations that can be accomplished. Norm has a proposal to reduce the number of frames. He will post on the reflector.

Attendees:

Brian Arnold
Paul Bottorff
Jim Burns
Richard Cam
Dirceu Cavendish
George Claseman
Paul Congdon
Arjan de Heer
Thomas Dineen
Anush Elangovan
David Elie-Dit-Cosaque
Norm Finn
David Frattura
Anoop Ghanwani
Steve Haddock
Toru Inoue
Tony Jeffree
David Johnston
Tetsuya Kawakami
Shobhan Lakkapragada
Bill Lane
Loren Larsen
Yannick Le Goff
Marcus Leech
Tommy Long
Mahalingam Mani
Tom Mathey
Bill McIntosh
Dinesh Mohan
Bob Moskowitz
Don O'Connor
Karen O'Donoghue
Don Pannell
Glenn Parsons
John Roese
Allyn Romanow
Dan Romascanu
Jessy V Rouyer
Dolors Sala
Mick Seaman
Muneyoshi Suzuki
Pat Thaler
Jonathan Thatcher
Geoff Thompson
Michel Thorsen
Ludwig Winkel
Michael D. Wright
Fan Zhao