

IEEE 802.1 Minutes, October 2004

Interim Meeting, Monday AM, October 4, 2004

Opening Remarks – Tony Jeffree

Many thanks to Nortel for hosting this interim

IEEE Patent Policy – Tony Jeffree

The IEEE patent slides were shown to the committee and Tony reviewed the IEEE patent policy. Inappropriate topics for discussion in IEEE meetings were pointed out.

802 Architecture group – Tony Jeffree

Aimed at helping to sort out architectural inconsistencies across 802

Need two reps from 802.1

Meetings will happen Sundays 2pm prior to 802 plenary

Interim meeting schedules – Tony Jeffree

January interim – Sacramento 10-13 at the Hyatt

May – Barcelona or Edinburgh (802.3 may be holding a interim there)

Task Group Chair of Linksec – Tony Jeffree

Dolors is withdrawing as TG chair for Linksec, Mick will take over in the interim.

Tony will continuing 802.1ag provider network effort

Recap of Agenda – Mick Seaman

Pretty much as the email showed

Review of P802.1Q Rev/D0.0 – Tony Jeffree

This is a reaffirmation of 802.1Q 1998 plus amendments

This needs to be completed before 802.1ad is finished because ad will be an amendment to this new version of 802.1Q.

The D0.0 draft is a rough first draft but the stuff from 802.1ad that is not part of provider bridging related has been extracted and put in the .1Q draft.

A future version of ad will reflect this change so you will see the deltas rather than a complete replacement

The issues of priority influences of FDDI and Token Ring have had a large impact on the document, these are being removed

References to 802.1D will have dates removed unless it is a reference to a specific revision. If no date then the reference is to the current revision

Observation – the new text has had at least two ballot cycles in the ad work so there is not anything new popping up

Clause 6 has been heavily updated

Clause 8 has been heavily updated

Clause 9 Frame format has been cleaned up

Introduce the fact that there will be multiple formats in the future

One version at the present time

Clause 10 onwards is basically the same as before

Annexes up to and including Annex F are untouched

New Annex G discussion of priority that reflects the current .1D priority scheme

There is lots of editorial work to be finished on the document but the technical stuff should be ready for folks to sort through and make sure everything is okay. The big work is probably Annex A, which needs solid review. The purpose of this work is cleanup it is not to invite anything new
Next step – Tony needs to do some more work to get it ready for Task Group ballot. Tony will have it ready before November meeting; however, there may not be time to get a Task Group ballot completed before November.

802.1ae and 802.1af – Mick Seaman

802.1ad met in parallel with this session
Discussion about where we are and what open issues
Discussion about how to model the controlled and uncontrolled ports
Short discussion about how the Layer Manager Interface is used

Review of 802.1ae – Allyn Romanow

Last time Allyn took notes and incorporated into the disposition in note form
New draft 2.01 on the web site
Many new diagrams
Change bars in the document
Clause 13 Management has been restructured – it is really a new chapter
The EPON discussion has been put into a new section called 10A
New appendix how AE is applied to RSTP
Outstanding work
 Reorganize material between af and ae
 Everyone should review the disposition and see if they are correct, especially if the comments are yours
Probably no new ballot until MIB stuff is fixed up, this work will probably effect other parts of the document.
It was suggested that the standard have the “classic management” clause and then a separate MIB so the management work can go forward and that work fills out the MIB be completed separately

Discussion of af-seaman-ksp-object-machines-001.pdf paper – Mick Seaman

A quick review of this paper so folks would be ready to discuss this afternoon

Monday PM, October 4, 2004

Problem space for Ethernet congestion management – on behalf of congestion management study group – Ben Brown (802.3)

Last week at the 802.3 interim there were discussions about congestion management – what it is, its scope, and who needs to work on it
Discussion about 802.1 committee’s role in higher layer interface, this has been ignored or at least not worked on for many years.
Discussion about the frames in flight and frame size, the interrelationship, and how this affects the congestion solution
802.3 is asking if 802.1 is interested in having the folks that have been working on this to come to 802.1 and get this work done?

Discussion about how to go forward
Consensus is there needs to be more comments and discussion about this work and how to proceed, 802.1 is definitely willing to listen and comment on how to get the work accomplished.

Review of KSP Document – Mick Seaman

There was a parallel session of the provider bridge work.

This document is on the website at

<http://www.ieee802.org/1/files/public/docs2004/af-seaman-ksp-object-machines-001.pdf>

Discussion about what is the maximum number of stations in a SA; real world is a maximum of 30, protocol allows 100, maybe required to have 200.

Tuesday AM, October 5, 2004

Provider Bridges – no Linksec this morning

802.1ad Draft review D2.4 – Mick Seaman

Drop precedent has been added, see annex G

Tried to make naming convention consistent

Biggest remaining item is getting the conformance clause ready

Clause 16 needs some edit work but nothing technical

Intent after this meeting – get conformance clause and clause 16. Then a short task group ballot so the comments can be reviewed at the November plenary

After this the document should be in shape

Backbone Provider Bridging Networks – A Highly Scalable VLAN (Multicast)

Architecture – Paul Bottorff

This document is at

<http://www.ieee802.org/1/files/public/docs2004/BB%20Provider%20Bridging%20V9.pdf>

Tuesday PM, October 5, 2004

Device Identification – John Viega

This is a proposed project to standardize a method to identify any conformant device in the network. The work would facilitate the distribution of the master key in 802.1af.

Discussion

A registration authority should not be specified

Needs to be X.509 for the greatest interoperability

Need a reference implementation so folks know how to do this

This should be a standalone project and not holdup 802.1af

Consensus is this is an interesting project and should continue.

More work is need to understand the scope of the project

Update KSP continued – Mick Seaman

Discussion about how .1af and .1ae can be configured in such a way to protect various control protocols

Wednesday AM, October 6, 2004

Vectorized GARP – Norm Finn

This presentation will be on the web site

<http://www.ieee802.org/1/files/public/docs2004/nfinn-vectorized-garp.zip>

Faster Operation in GARP – Jessy Rouyer

This presentation is on the web site

<http://www.ieee802.org/1/files/public/docs2004/Faster%20Operation%20in%20GARP.pdf>

GVRP Protocol Simulation – Paul Bottorff

Paul has a simulation of GVRP and GMRP up and running

The presentation is on the web site

http://www.ieee802.org/1/files/public/docs2004/egvrp7_1.pdf

Proposed PAR for Faster GARP – Norm Finn

The PAR has been sent to the email exploder

Media Converters – Paul Bottorff

This presentation is at

<http://www.ieee802.org/1/files/public/docs2004/MediaConverter.pdf>

Discussion about what functionality belongs at what point in the network

PAR for Media Converters – Norm Finn

The PAR has been sent to the email exploder

Wednesday PM, October 6, 2004

Proposal for Device Identification PAR – John Viega & Michael Borza

This was an updated presentation to the entire committee for the proposed device identification project

Discussion

What is the definition of a device?

Can this really be accomplished with a registration authority?

Consensus was more work and discussion should take place. John and Michael will have an update at the November meeting

Ballot Disposition of 802.1ab – Paul Congdon

The official disposition is on the web site

Management and MIBs for 802.1ae – Mick Seaman

This discussion was parallel to the 802.1ab ballot disposition

How to get the management portion of Linksec in place was discussed

Thursday AM, October 7, 2004

802.1ab Sponsor Ballot Disposition – Paul Congdon

The official disposition is on the web site

Provider Backbone PAR – Mick Seaman

Review of the PAR

The draft PAR has been distributed on the email exploder

Media Converter PAR – Norm Finn

Review of the current revision of the PAR for media converter

Discussion about how to address the higher level functions

It was agreed that for this PAR link aggregation will be treated as MAC independent

Media Independent MAC Enhancements for RF Management of Wireless Network – Floyd Backes

This presentation is on the web site

<http://www.ieee802.org/1/files/public/docs2004/Backes-RF-Mgmt.pdf>

This project will create a standardized API to each of the 802 wireless MACs to provide a consistent management interface

Attendees

Floyd	Backes
M	Borza
Paul	Bottorff
Dirceu	Cavendish
Vincent	Chanal
Frank	Chao
Jacob	Christensen
Paul	Congdon
Arjan	de Heer
Thomas	Dineen
Joe	Dolland
Anush	Elangovan
Hesham	Elbakoury
David	Elie-Dit-Cosaque
Norm	Finn
Robert M.	Grow
Steve	Haddock
Ian	Hood
Tony	Jeffree
Ulf	Jonsson
Mohan	Kalkunte
Tetsuya	Kawakami
Manu	Kaycee
Cheng-Yin	Lee
David	Martin
John	Messenger
Richard	Michalowski
Don	O'Connor
Hiroshi	Ohta
Glenn	Parsons
Karen	Randall
Allyn	Romanow
Dan	Romascanu
Jessy V	Rouyer

October 2004

Ottawa, Ontario

Ali	Sajassi
Dolors	Sala
Sam	Sambasivan
Mick	Seaman
Koichiro	Seto
Muneyoshi	Suzuki
Yoshihiro	Suzuki
Stephen	Thomas
Geoff	Thompson
John	Viega
Preeti	Vinayakray-Jani
Michael D.	Wright