IEEE 802.1 Minutes, January 2003

Interim Meeting, Tuesday AM, January 7, 2003

Review Agenda – Tony Jeffree

    Administrative stuff

        Website Info

        Voting membership

        Signup sheet

        How 802.1 WG and TG work

            Consensus process; the ultimate test of consensus is the vote taken on a WG draft

            No votes taken in task group meetings. Get consensus and vote in WG meeting

Patent Policy – Tony Jeffree

    Review of the 802 patent policy. These slides are created by IEEE and Tony is required to show them

    Both of the required slides where shown by Tony.

Interim meetings – Tony Jeffree

    Discussion of where to meet in May

    802.3 is meeting in Seoul in May. There is some concern with meeting in Seoul.

    802.11 is meeting in Singapore the week after the 802.3 meeting. The sense of the room was both locations were not the best.

This week's agenda – Tony Jeffree

    Tues am

        802.1aa

        802a

        802b

    Tues pm

        .1ab Discovery

        .1d revision

    Wed am

        .1ad provider bridges

    Thur/Fri

        New Work Items (NWI)

        MAC in MAC

        Path aggregration

P802a – Tony Jeffree

    Review of sponsor ballot comments

    The official ballot responses are kept in the ballot response document on the 802.1 website

    The ballot passed

    There were three no votes

        Ethertypes not specified. This was expected the Ethertypes will be assigned

Several editorial comments, which were accepted
There was an objection to the removal of Clause 5.

P802b – Tony Jeffree
Review of the current draft so everyone is up to speed on what is happening
This amendment documents use and allocation of OIDs.

P802.1aa – Tony Jeffree
Review of ballot responses
Successful working group ballot, there was 60% yes and 40% no.
Need to review several comments
Discussion of the organization of the .1aa to make sure the stuff in clause 8 is related to protocol only and anything in clause 8 that is principles of operation should be moved to clause 6. This will allow things to more easily handle future situations in particular the link security work that is beginning.
Discussion about how to handle the asymmetry of 802.1aa

Interim Meeting, Tuesday PM, January 7, 2003
EAP State Machine Proposal – John Vollbrecht
This proposal will be on the website
This is work being by the EAP group in the IETF
They would like to coordinate with 802.1
P802.1aa – Tony Jeffree
Return to ballot response review
Recap where we are
Lots of discussion about asymmetry versus symmetrical architecture and implementations of the supplicant and authenticator
Going forward we will do a confirmation ballot and in March determine if it is ready. If the results is it is not ready we will fix what is broken else we will progress aa to sponsor ballot.
P802.1ab – Bill Lane
Review of the current draft
Changes from draft 1 to 2 and additions that Bill thought was necessary
P802.1ab – Paul Congdon
LLDP Capabilities – Discussion, Summary, and Proposal

Interim Meeting, Wednesday AM, January 8, 2003
P802.1ad Provider Bridges – Mick Seaman
Review of the draft
General discussion about how to proceed with this project
Discussion of the architecture model
Need to develop a set of terms that everyone in the room understands and agrees to the meaning.
Summary
Borrow terminology from other places
Make sure we have our space fully defined

Prune terminology to those things that we need to do the spec and drop the rest

Need to explore the relationship between a provider bridge and a regular VLAN aware bridge. This will be a rather large piece of work.

Discussion concerning how to document the interface to the ISS so IETF or others that will interface will understand how to interface and what the provider bridges will expect of emulated LANs.

What we will specify is a provider bridge box and let others (IETF, EFM, etc) define how to do Ethernet Provider Services

Interim Meeting, Wednesday PM, January 8, 2003

Provider Bridge "Unlearn" Signaling – Norm Finn

This presentation is on the website – unlearn signaling.pdf

Hooking up islands of provider bridges to other islands Customer's topology change notifications (TCN) are not seen by the provider bridges. Hence customer nodes can become disconnected/unreachable because the provider bridge will filter because it has not "unlearned" during the customer TCN.

A solution is provider bridge snoops on customer's TCN so the provider bridge can unlearn. There are a few problems, proprietary spanning tree algorithms, every provider bridge on at least every P-VLAN that allows the outside connections that cause the problem

Plan B – snoop at the edge only

Plan C – <The recording secretary did not get this plan recorded.>

Plan D – provider edge bridge does the snooping, edge bridge generates an Unlearn Message. It uses the All Bridges multicast MAC address

Discussion

Message is per VLAN

Is this topology real? Yep.

P802.1ad Provider Bridges (Continued) – Mick Seaman

Continue with this morning discussion and review of the draft

Many different ways to map customer VLANS to provider VLANS

Should not have to look at both the customer VLAN tag and the provider tag at the same time. The provider should be able to forward based solely on provider information. This is a current goal but may have to change.

IETF Status of PPVPN – Marco Carugi

Two drafts have been submitted

Two working docs requirements and framework

Point to point L2VPN and multipoint VPN

Discussion concerning is there a need for an official liaison

There are several folks that are participating in both in IETF and IEEE so there may not be a need for an official liaison

How are the RFC schedules and the Provider Bridge work in .1 to be coordinated?

Up to now have had number solutions. Working to converge the solutions.

Main functional blocks identified by the L2 DT

Discovery, Signaling, PW tunneling

<u>P802.1D Revision – Mick Seaman</u>

       Removing the several MAC layers that have gone away is a bit more complex than first thought

       .1y, .1t and .1w are being incorporated

       Major changes – removed STP, reworked clause 17 to remove redundant material, reworked RSTP performance characterization, Deleted Annex B material, removed local address option for bridge group address

       .4, .6, .9, and .12 are gone hence mac_action parameter removed from ISS

       Tightened up conformance

       802.1Q alignment – forwarding process diagram and clause 17 sub clauses

       Leave SRT since there are still some folks building .5 stuff

       Record Object Identifiers that are currently used

       Recommendations for Bridge Management

       Policy Issues and other work

           Archival of old editions so folks can get removed info if needed

           Introduction to 802 standards – remove references to withdrawn standards

       Update base text for amendments – merges of amendments created some problems. We need to review.

Interim Meeting, Thursday AM, January 9, 2003

       This was a joint meeting with the Link Security Executive Study Group. Link Security Study Group kept the minutes.

Interim Meeting, Thursday PM, January 9, 2003

       This was a joint meeting with the Link Security Executive Study Group. Link Security Study Group kept the minutes.

Interim Meeting, Friday AM, January 10, 2003

       This was a joint meeting with the Link Security Executive Study Group. Link Security Study Group kept the minutes.

Qualifying Attendance
This is a list of the attendees that had qualifying attendance, five sessions or more.
Ali Sajassi
Arnold Sodder
Atsoshi Iwata
Bill Lane
Bob Moskowitz
Marco Carugi
Chen-Yin Lee
Craig Easley
Dan Romascanu
David Elie-Dit-Cosaque
David Frattura
Don O'Connor
Glenn Parsons
Hesham ElBakoury
Jim Burns

John Vollbrecht
Kazuo Takagi
Manu Kaycee
Michael Thorsen
Michael Wright
Mick Seaman
Neil Jarvis
Norm Finn
Paul Bottorff
Paul Congdon
Roger Lapuh
Satoshi Obara
Steve Haddock
Tony Jeffree