

IETF/IEEE 802 Coordination Meeting

Tuesday, January 13, 2004

<http://www.drizzle.com/~aboba/IEEE/coord.ppt>

Why Meet?

- History of successful working relationship
 - <http://www.ietf.org/internet-drafts/draft-aboba-ieee802-rel-02.txt>
 - Members participating in both IEEE 802 and IETF important to success
- Success breeds...
 - More work! (more documents, WGs, etc.)
 - Increasing number of potential liaison issues
 - Interest in cross-review of new work
- Can we...
 - Get a comprehensive list of issues for further discussion?
 - Followup meetings with 802.1 and 802.11 scheduled this week
 - Any other meetings needed? (IEEE 802.21?)
 - Establish default liaisons?
 - Communicate regularly?
 - Track progress on outstanding issues?

Liaison Summary

- Ongoing
 - IEEE 802.11i/EAP WG
 - IEEE 802.1aa/EAP WG
 - IEEE 802.3/HUBMIB WG
 - IEEE 802.1/BRIDGEMIB WG
 - IEEE 802.1/L2VPN WG/PWE3 WG
- Potential
 - IEEE 802/RADEXT BOF
 - IEEE 802/CAPWAP BOF
 - IEEE 802.21/IETF WGs TBD
 - IEEE 802.17/IPORPR, MIB
 - IEEE 802.11n/IETF WGs TBD
 - Mesh networking: IEEE 802.11, 15, 16/IETF WGs TBD
 - Roaming/fast mobility: IEEE 802.11, 21/IRTF Mobility, IETF WGs TBD
 - IEEE 802.3 backplane/Entity MIB WG
 - IEEE 802.20 - too early to tell yet

Discussion Topics

- Meeting scheduling
- Access to IEEE 802 archives
- Default Liaison
- Uneven Division of Work
- Coordinating New Work
- Tracking dependencies
- Sample Issues to discuss
 - MIB-specific Issues
 - AAA-specific Issues

Meeting Scheduling

- Joint participation in IETF, IEEE 802 important for success of liaison engagements
- Meeting conflicts make joint participation difficult
- Action Item:
 - IEEE 802 will send email to ietf-secretary@ietf.org, ietf-chair@ietf.org to help coordinate IEEE and IETF meeting schedule

Access to IEEE 802 Archives

- To date, access has been granted on a case by case basis.
- Is there a way to make this less of a "one off" process?
- Action Item:
 - IEEE 802 will send a memo to iab@ietf.org granting access to IEEE 802 archive to IETF WG chairs
 - WG chairs to provide access to WG participants on request
 - No posting of usernames/passwords on websites or to mailing lists

Default Liaison

- To date, communication and interaction is direct participation at the WG level.
- This has worked well, but sometimes it's necessary to communicate before a WG is chartered yet (example: CAPWAP, Handoff ECSG).
 - Are there IEEE 802 Liaison requests that have not received a response?
- Having points of contact within IEEE 802 and IETF when no more specific contact is available would be helpful.
- Action item:
 - IEEE 802 will nominate a default liaison to IETF, send email to iab@ietf.org
 - IAB will nominate a default liaison to IEEE 802.

Coordinating New Work

- The IETF has a New Work list, and a process for commenting on proposed new WG charters.
- IEEE 802 recently asked for IETF comment on the proposed Handoff ECSG charter.
- How do we coordinate review/discussion of new work?
- How do we coordinate review/discussion of existing work?
- Action items:
 - Bert Wijnen and Tony Jeffree will work out details, something aka:
 - Subscribe IEEE 802 SEC to the New Work list; comments sent to iesg@ietf.org
 - IETF subscribers TBD on the IEEE 802 PAR list
 - Liaisons will clarify if the response is “official” or not

Uneven Division of Work

- Division of work has been uneven
 - some MIBs done in the IEEE WGs, other in the IETF based on IEEE management clauses definition
 - Some AAA work done in IEEE WGs, other in the IETF based on RADIUS RFCs
 - Some AAA specifications published as RFCs, some not
- Technical and Quality Problems
 - Some IEEE MIBs & AAA attributes went through the IETF quality review, some not
 - Difficulty in maintaining Diameter/RADIUS compatibility
 - MIB syntax that won't compile in applications
- Confusion for customers
- Can we make this happen in a more consistent and smooth manner?
- Recommendation
 - Publish IEEE 802 MIBs and AAA attributes as Internet Drafts before sponsor ballot
 - Send MIBs to IETF MIB doctors
 - Post AAA attributes to AAA or RADEXT mailing lists
 - Run Internet Drafts through IETF Last Call
 - Publish as IEEE annex

Tracking Dependencies

- To date, tracking occurs at the WG level by WG chairs
 - References
 - New work
- This has worked well, but...
 - Requests might occur prior to WG formation
 - The dependencies seem to becoming more complex lately.
- How do we keep track of which documents IEEE 802 needs from IETF?
- How do we keep track of which documents IETF is depending on from IEEE 802?
- Is there a master list kept somewhere?
 - No.
 - Should we use a webpage for posting communications?
- If it breaks, who do the chairs contact? The default liaisons?
- Recommendations
 - Keep tracking responsibility with the WG chairs
 - Educate WG chairs on how to escalate issues if necessary

MIB Sample Issues

- IEEE MIB development with IETF MIB Doctor review?
 - doctor guidelines have some IETF process specifics, but a lot is valid for any mib review/development.
 - So we might check if these guidelines work for reviewing IEEE mibs?
 - Early design review by assigned MIB Advisor? Default contact
 - syntax/quality review (balloting) by another MIB Doctor?
- MIB OIDs - assigned under ieee802 or by IANA?
 - OID assignments cannot change once "released"
- subject to SMI change rules to maintain interoperability
 - type extension rules for enumerations, ranges, etc.
 - deprecated and obsolete MIB objects
- public ASCII text
 - for mib compilers; difficult to extract from PDF format
 - easier for commenting as well.
 - Also publish as IETF RFCs?

AAA Sample Issues

- RADIUS parameter allocation policy
 - Defined in RFC 3575
 - Commands or Service-Type additions require IESG approval
 - IEEE 802 to use vendor-specific attributes or IETF standard attributes?
- Constraints on AAA attribute extensions to ensure interoperability
 - Is IEEE willing to recognize and enforce constraints?
- Diameter compatibility?

Questions?

