July '95 MAC group Report

LLC

MAC

PHY

Goals from May 95

- Send D1.3 (D1.2 + July work) MAC chapters for 802.11 LB approval to forward to Sponsor ballot.
- Operating rule will be "no putting decisions off". There will be a decision for all LB issues in D1.3 by he end of the mtg.

Misc Subjects

- May MAC minutes approved
- Carolyn took minutes this week

This Week's Work Summary.

Papers (numerical order)

- **95/14: New MAC State Machines**
- **95/109: Response on deferred RTS/CTS Comment**
- **95/111: Updated Comments on Section 4.0**
- **95/135: RSA letter**
- **95/137: Power Management in an Ad-Hoc Network**
- **95/138: Application of WEP to MPDU vs MSDU payload**
- **95/139: Duration ID coding**
- **continued...**

Papers (numerical order)

- **95/140: Corrections and simplification to PCF**
- **95/141: Section 4 & 7 cleanup comments**
- **95/142: Proposal to correct the DTIM and TIM elements defined in section 4**
- **95/143: Definition of the Power management bits in section 4**
- **95/144: Proposal to add a Data Aging field to the Association and Reassociation frames**
- **95/145: Proposal to extend the Capability Information field**
- **continued...**

Papers (numerical order)

- **95/146: Proposal to include a "Preferred IV list" in a Beacon frame**
- **95/147: Proposal to include resource indication in beacon frame.**
- **95/149: Harmonization of time encoding**
- **95/150: A delivery only PCF**

Submission   Page 7   David Bagby

Papers / subjects / motions

Submission   Page 8   David Bagby

Full MAC group presentation actions

- 95/137: Power Management in an Ad-Hoc Network
- Moved: to adopt proposal and text from 95/137.
- MAC vote: 4,4,6 - failed

Full MAC group presentation actions

- 95/141: Section 4 & 7 cleanup comments
- Moved: to change the name of PSPM to PSM
- MAC vote: 6, 2, 4
- Plenary Vote: 31, 1, 7

Full MAC group presentation actions

- 95/146: Proposal to include a "Preferred IV list" in a Beacon frame
- Moved: to adopt 95/146
- MAC vote: 2, 6, 4 - failed

Full MAC group presentation actions

- 95/150: A delivery only PCF
- Moved: That the text changes to explicitly allow and to indicate the capability of a delivery only PCF, as contained in doc 95/150, be adopted and placed into the draft.
- MAC vote: 9, 0, 2
- Plenary vote: 30, 1, 11

Full MAC group presentation actions

- 95/14: Updated mac state machines
- Moved: that the updated state machines from 95/14 be adopted as an improvement to D1.2 and be incorporated into the next draft revision.
- MAC vote: 4, 3, 3
- Plenary vote: 36, 2, 7

Submission   Page 13   David Bagby

By section actions

Submission   Page 14   David Bagby

MAC Tech hi-lights - Sec 1

- **No changes made.**

MAC Tech hi-lights - Sec 2

- **Minor changes resulting from 95/138**
  - see section 5.

MAC Tech hi-lights - Sec 3

- **Minor changes resulting from 95/138**
  - see section 5.

MAC Tech Hi-lights - Sec 4

- **Moved: To adopt changed text from 95/142 with exception of last sentence of para 3, pg 4 of paper (relating to concatenated TIMs).**
- **MAC vote: 19, 0, 1**
- **Plenary vote: 39,0,4**

MAC Tech Hi-lights - Sec 4

- **Moved: to adopt text from 95/139 (re encoding of duration field).**
- **MAC vote: 18, 0, 0**
- **Plenary vote: 39,0,3**

MAC Tech Hi-lights - Sec 4

- **Moved: Change sec 4.3.1.2 - change one octet to two octets as correction to not limit beacon interval to 256 ms.**
- **MAC vote: 21, 0, 1**
- **Plenary vote: 43,0,4**

MAC Tech Hi-lights - Sec 4

- **Moved: to adopt concepts from 95/144 as modified by s4 grp.**
  - (adds listen interval from MIB to assoc req and reassoc req).
- **Text is in doc 95/177 (updated sec 4 from this week)**
- **MAC vote: 20, 0, 2**
- **Plenary vote: 35,0,5**

MAC Tech Hi-lights - Sec 4

- **Moved: motion 1 from 95/149AR1**
  - (changes of ms to Kmicro seconds per paper).
- **MAC vote: 19, 0, 4**
- **Plenary vote: (moot as already adopted in Wed WG session)**

MAC Tech Hi-lights - Sec 5

- **95/135: RSA letter**
- **Distributed, no action needed.**

MAC Tech Hi-lights - Sec 5

- **Moved: Adopt text from 95/138 w/ additional corrections identified during small group review and to add an alignment octet to the IV field to make IV field 4 octets long.**
- **Text in doc 95/138R1**
- **MAC Vote: 14, 0, 7**
- **Plenary vote: 23,0,24**

MAC Tech Hi-lights - Sec 6

- **Moved: That the operating rules for processing responses to the D1.3 (and subsequent) letter ballots within 802.11 be updated as follows:**
    - a) Explicitly allowing the rejection of comments which request the addition or removal of significant functionality, but do not provide analytical, empirical, or simulation results that support the technical decision being requested.
    - b) Explicitly allow votes of "approve, with comments" for the purpose of placing into the technical record of this working group analytical, empirical, or simulation results in support of (disputed) functionality already in the standard.
- **MAC vote: ruled out of order.**

MAC Tech Hi-lights - Sec 6

- **Moved: That the text changes relating to the PCF, contained in document 95/140 be adopted and placed into the draft standard.**
- **MAC vote: 10, 0, 11**
- **Plenary vote: 26,0,20**

MAC Tech Hi-lights - Sec 6

- **Moved: That the following text be added to the end of section 4.4:**
  - ?)   Beacon – Data/end*
  - ?)   Data* – ACK – Data/end*
  - ?)   Data* – *CF-Ack – Data/end*
  - ?)   Data+CF-Poll – Data+CF-Ack – Data/end*
  - ?)   Data+CF-Poll – RTS – CTS – Data – ACK – Data/end*
  - ?)   Data+CF-Poll – Null – Data/end*
  - Where "Data*" can be any of the Data sub–types, "Data/end*" can be any of the Data or CF–End sub–types, and "*CF-Ack" can be Data+CF–Ack or CF–Ack(no data)
- **MAC vote: 17, 0, 3**
- **Plenary vote: 37, 0, 8**

MAC Tech Hi-lights - Sec 6

- **Moved:That the connection mechanism be removed from the draft standard, but the means by which to encode connection IDs in the Duration/ID field be reserved in order to allow the future inclusion of connection–oriented services. This involves:**
  - Removing sections 3.2.3, 4.3.2.6, and 6.3.6.
  - Modifying section 4.1.2.3 to list the coding of connection IDs as a reserved usage (exact text to be written by editors, as this section is undergoing update by the section 4 sub–group)
  - Editorial changes to other sections as needed for consistency.
- **MAC vote: 14, 2, 2**
- **Plenary vote: 33, 3, 10**

MAC Tech Hi-lights - Sec 7

- **No changes from MAC work - section filled in by 95/118 adopted in Wed WG session.**

MAC Tech Hi-lights - Sec 8

- **Moved: To adopt text on screen from Bob O's machine in 8.1.2 re TSF timer language.**
- **Defined TSF timer sync mechanism.**
- **Text is in doc 95/178 (updated sec 8 text)**
- **MAC vote: 11, 4, 6**
- **Plenary vote: 26, 1, 16**

MAC Tech Hi-lights - Sec 8

- **Moved: To adopt 8.1.2.3 text re sync timer accuracy as shown by Bob's screen**
- **(TSF timer complement to previous motion's text for recv end).**
- **Text is in doc 95/178 (updated sec 8 text)**
- **MAC vote: 12, 2, 7**
- **Plenary vote: 33, 0, 9**

MAC Tech Hi-lights - Sec 8

- **Moved: To accept text on screen from bob O in sec 8.1.3.2.2 re active scanning procedure text improvement.**
- **Text is in doc 95/178 (updated sec 8 text)**
- **MAC vote: 16, 1, 1**
- **Plenary vote: 30, 0, 14**

MAC Tech Hi-lights - Sec 8

- Moved: To adopt text shown on screen in sec 8.2.1.4 re descriptive text for fig 8-4.
- Text is in doc 95/178 (updated sec 8 text)
- MAC vote: 12, 0, 4
- Plenary vote: 32, 0, 11

MAC Tech Hi-lights - Sec 8

- Moved: To adopt improved MIB text in 8.4.1.1
- Text is in doc 95/178 (updated sec 8 text)
- MAC vote: 11, 0, 1
- Plenary vote: 29, 0, 13

MAC Tech Hi-lights - Sec 8

- **Moved: to accept changes to MIB and associated text in sec 8 by the sec 8 working groups.**
- **This completes all the D1 LB comment processing!**
- **Text is in doc 95/178 (updated sec 8 text)**
- **MAC vote: 18, 0, 2**
- **Plenary vote: 33, 0, 11**

D1.3 LB motion:

- **Moved:**
- **1) That D1.3 be submitted to the 802.11 voting membership via letter ballot for approval to forward for sponsor group ballot.**
- **Mac vote: 16, 1, 3**
- **Motion postponed until right after the PHY reports.**
- **amended to remove restriction of 1-8.**
- **Plenary Vote: 25,16,2**

Goals for Aug 95

- Work on D1.3 LB comments (if any...)
- Consider Ad-hoc, ad-hoc pwr mgt group's input.
- Outline Conformance Statements to correspond to D1.3, flesh out to match draft text.

Submission   Page 37   David Bagby

MAC group report

- That's all for now...

Submission   Page 38   David Bagby