

July '94 MAC group report

LLC

MAC

Ever wondered why MAC is an abbreviation for Media Access *Control*?

PHY

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David Bagby

Misc subjects

- **Approval of Mar, May MAC minutes**
 - Minutes of this mtg to show "approved as amended".
- **Report Preview.**
- **Volunteers to write up multi-rate concerns from MAC standpoint?**
 - Mike, Wim.
 - Dave B will re-xmit previous email discussion msgs.

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Color information request

- **Moved:** that the 802.11 chair is requested to investigate with 802 the possibility that the 802.11 standard could include some color printing and report the response.
 - Mac Vote: unan voice vote

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May recommendation results

- **Adopted by plenary 7/10/94.**
- **Who is providing the text for the decisions to the editors?**
 - **Include Fragmentation functionality**
 - » Rick after frag discussion.
 - **MSDU = 2k+ o'head**
 - » Jon
 - **MPDU sunny / rainy spec'd by each PHY**
 - » Rick for general text - ask phys in plenary who will provide these nums for each phy to the editors.

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May recommendation results

- Current MPDU MIB variable
 - » Bob O
- Default for current = sunny
 - » Bob O
- Current MPDU = MAC MIB Var
 - » Bob O
- MPDU floor
 - » Bob O
- One TB = DTBS
 - » Kerry / Wim / Tim for DTBS text
 - » removal of old TB to be done by editors.

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May recommendation results

- **When due to editors?**
 - < 7/29/94 to editors, target is second mailing.
 - send to all the editors (Bob O, Greg E, Kerry L, Jim S).

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Fragmentation

- 94/147

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Fragmentation

- **Moved:** that the fragmentation mechanism described in document 94/147 be adopted as the basis for fragmentation mechanism incorporation in the next draft revision.
 - MAC vote: 32, 1, 1
 - Plenary Vote: 49, 0, 2

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Fragmentation

- **Moved: that the “active max mpdu size” shall be a managed object per sta rather than per BSS as previously decided.**
 - MAC vote: 19, 1, 7
 - Plenary Vote: 51, 0, 2

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Windowing

- **Incorporated into Fragmentation work.**
- **No separate work needed.**

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To/From bits.

- 94/120 Mac frame delivery

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To/From bits.

- **Moved:** that text for a more complete desc of the operation of the “to/from AP” bits be derived from 94/120 and included in the next revision of the draft.
 - MAC vote: 30, 0, 1
 - Plenary vote: 54, 1, 1

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MIB

- 94/98A
- MAC & Station portions

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MIB

- **Moved: that the definition of the MAC and SMT portions of the MIB as described in 94/98a be adopted and placed in the draft standard and supersede the recommendation made in the closing plenary in May to use 94/98 as a work in progress for the framework for the MIB definition.**
 - MAC vote: 25, 1, 6
 - Plenary Vote: 51, 1, 1

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Issues

- Open issues in issues log section 5
- Issue recs accepted as a group in plenary
 - 51, 0, 3

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Issues

- Issue 5.9: How to find APs
 - rec: alt 1 - listen then ask
 - proposed Text for 20b1, pg 22:
For the details of how a station learns about what APs are present see section 7.1.3 on scanning.
 - MAC vote: 19, 0, 5
 - Plenary Vote:

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Issues

- **Issue 5.6: Association direction**
 - rec: alt 1
 - Proposed Text for 20b1, pg 22:
Association is always initiated by the mobile STA.
 - MAC vote: 24, 0, 3
 - Plenary Vote:

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Issues

- **Issue 5.7, 5.8: explicit reassoc direction**
 - rec 5.7: alt 1, rec 5.8: alt 1
 - proposed text for 20b1, pg 22:
Reassociation is always initiated by the mobile STA.
 - MAC vote: 24, 0, 2
 - Plenary Vote:

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Issues

- **Issue 5.3b: what infra services needed?**
 - rec: moot - covered by 5.3a text.
 - MAC vote: 25, 0, 2
 - Plenary Vote:

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Issues

- **Issue 20.6: frag**
- **closed via plenary vote on 7/11/94**

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Bit ordering

- 94/155

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Bit ordering

- **Moved: that at the M/P interface all information shall be in canonical bit order.**
 - MAC vote: 27, 1, 2
- **amended in plenary to**
- **Moved: that at the M/P interface all information shall be in the bit order specified in 802.2.**
- **Plenary Vote on amended motion: 45, 4, 12**

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Bit ordering

- **Moved: that the final frame formats adopted by 802.11 shall be an integral number of octets.**
 - MAC vote 29, 0, 0
 - Plenary Vote: 44, 2, 10

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Bit ordering

- **Moved: that the changes within 94/155 section 2.1 be incorporated in the 802.11 draft and octets are transmitted in ascending order.**
 - (2.1 says: each octet of the MAC frame, with the exception of the CRC, is transmitted low order bit first, which is bit 0.)
 - MAC vote 26, 1, 1
 - Plenary Vote: 51, 2, 6

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DTBS

- **94/150**
 - Disc of PaS implications.
 - Desire disc with phy group in joint M/P session.
 - Covered in Joint M/P session on Wed.

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DTBS

- **Moved: that 802.11 should adopt the priority based DCF proposal as documented in 94/150.**
 - MAC vote: 16, 11, 8
 - Plenary Vote: 14-20-23

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July cut vs schedule discussion.

- **Suggestion: only async service for Nov, suspend work on non-async.**
 - straw poll, 6, 15, 8
- **The MAC group believes the MAC will be complete for November LB.**

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Goals for Sept 94

- **Final prep of MAC draft text for Nov Letter Ballot.**
 - B2 draft review, clarification etc
- **Remaining open issues.**
 - RT, Frame format details, multi rates etc..
- **Complete parameter values**
- **DTBS (effort dependent on July plenary vote)**

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MAC group report

- That's all folks...

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