May '95 MAC group Report

LLC

MAC

PHY

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Goals from Mar 95 mtg

- **Incorporate April LB changes to create D1.1**
- **Finish processing D1 letter ballot comments.**
  - resulting is proposed changes for incorporation into D1.2

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This Week's Work Summary.

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Misc Subjects

- Mar MAC minutes approved

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Papers / subjects / motions

- Apr LB results incorporated into D1.1
- D1 LB comment processing continued using D1.1 as new text base.
- <u>Almost</u> all D1 comments processed.

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95/14

- 14 - new mac state machines - mike f
  - replacement offering for D1 state machines
  - will be in LB as proposal for D1.2 state machine update.

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95/16

- 16 - mac/phy inteface functions - mike f
  - withdrawn form this mtg by author

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95/80

- 80 - proposed value for contetnion window - wim
- Moved: that a value of 32 slots be adopted for CW min.
  - MAC vote: 3-11-5

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95/80

- 1st straw poll re values for CW:
  - < 8   5
  - 8   5
  - 16   0
  - 32   3
  - 64   0
  - > 64   0
- 2nd straw poll re CW is a Phy dep param:
  - 9, 1, 11
- 3rd straw re cw is Some dynamic value w/alg TBD:
  - 0, 7, 12

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MAC Tech hi-lights - Sec 1, 2

- Sec 1, 2, 3, (small portions of) 4, 5.4
- MAC recommends 95/95 and 95/96 adoption, this completes processing of all comments in sec 1, 2, 5.4 from D1 LB.
- Sec 1,2 Comment table updated, will be distributed as doc 95/112
- All technical LB comments on sec 1, 2, 3 now addressed.

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D95 Security Recs for D1.2:

- Moved: That 802.11 adopt the changes described in these slides by adopting the corresponding detailed text changes from document 95/95.
- MAC vote: 13,1, 3
- Plenary vote:22-0-5

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WEP PRNG Motion (D96):

- Moved: That 802.11 adopt RC4 as the WEP PRNG algorithm provided that the following conditions are satisfied:
- 1) RSA to send a letter to IEEE satisfying the requirements for "fair and equitable" availability of RC4 before the July 1995 IEEE 802 meeting.
- 2) RSA to further state in a letter to IEEE that it will make RC4 available under terms that are identical for anyone who wishes to use RC4 for an 802.11 WEP implementation.
- continued...

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WEP PRNG Motion (D96):

- 3) RSA specifies liscensing terms for 802.11 WEP implementations which include at least the following senarios:
  - Little or no fee up front, with a per unit royalty.
  - A one time, per company fee, with no per unit royalty.
- MAC vote: 18-2-1
- Plenary Vote: 22-0-4

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MAC Tech Hi-lights - Sec 3

- All D1 LB comments delt with except missing text.
  - 3.2.2 missing text re services.
  - Tom S will write missing text and submit for LB before July. will derive from iso 8202.
    » will be doc 95/113
- D1 LB tables: No new dist of doc needed all done before D1.1.
- Proposed D1.2 text in 95/102 - will be in May LB.

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MAC Tech Rec Hi-lights - Sec 4

- D1 comment tables updated this week
  - will be doc 95/115 in mailing.
- Proposed D1.2 text in doc 95/116 - will be in May LB.

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MAC Tech Rec Hi-lights - Sec 5

- 5.0-5.2 in d1.1 - some comments not processed yet
- 5.3 - all comments processed
  - Superframe concept updated (was not a frame was a time period)
  - beacon inteval and CF period sync work - they are integral multiples.
  - beacon and PCF must now be same station.
  - text clairification for several subjects.
  - CF period not constrained to single medium occupancy (dwell)
  - CF period starts with a beacon

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MAC Tech Rec Hi-lights - Sec 5

- 5.4 coverdd by security work
- 5.5, 5.6 in D1.1 - all d1 comments covered
- 5.7 incomplete - open comments re multi-rate support

MAC Tech Rec Hi-lights - Sec 5

- 5.8 state machines - replacement offered -
  - will be in May LB
  - doc = 95 / 14
  - mac vote to present as part of LB: 15, 0, 1
- doc 95/101 is proposed D1.2 sec 5 text - will be in May L.B.
- doc 95/100 is updated D1 comments table

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MAC Tech Rec Hi-lights - Sec 7

- Power management updates
- Association work
- Doc 95/106 = Proposed D1.2 text - will be in May LB.
- Doc 95/107 is updated D1 comment table
- new submission for a S7 reassoc section
  - There will be a 95/117
  - Probably in 2nd mailing.

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Goals for July 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 decisons off". There will be a decision for all issues in D1.3 by he end of the mtg.

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July Technical subjects

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Open subject from D1 LB

- These are the July 95 MAC agenda
- sec 1:
  - All D1 processed
- sec 2:
  - All D1 processed
- sec 3:
  - All D1 processed
  - Sec 3.2.2 review and adoption

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Open subject from D1 LB

- sec 4 -
  - 75% of D1 processed
  - Mgt frame formats for connection services
  - Connection frames elements

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Open subject from D1 LB

- sec 5
  - Remaining D1 comments
    - » 5.1 multi-rate comments
    - » rts/cts usage comment
      - mike to create reponse for 2nd mailing for this comment.
    - » fragmentation comment
  - 5.7 not addressed yet, but all comments are either easy or editorial, will be complete in july.

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Open subject from D1 LB

- sec 6
    - still empty section as of D1.1.
    - Will create section before July (Doc 95/118)
        » greg E., mike f, tom T, bob O
    - call for input from each phy group
        » coord by Jim M, for all phy groups
        » Dean (by Chris), ed geiger (FH)
        » Mike T (DS)

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Open subject from D1 LB

- sec 7
    - all D1 7.2-7.3 done
    - 7.1 - various subjects open
    - Incorporation of may's work in parts of 7 (MIB)
    - MIB review to be done in July.
- **All tbd's present after May LB.**

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MAC group report

- That's all for now...

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