

Aug '95 Goals for Nov '95 mtg

- Quick votes on LB reference papers
 - No extended discussion, < 5 min each subject.
- Process all D2 LB comments.
- Review initial MAC PICS Proforma

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Misc Subjects

August MAC minutes approved unan

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David Bagb

This Week's Work Summary.

- Really good progress on LB comments!
- The MAC chair would like to personally thank all involved for the long hours and extra effort that enabled us to accomplish this -

Everyone did a Great Job!

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This Week's Work Summary.

 Alas, despite the best laid plain of mice and men...

We do have a few (<6) unresolved comments.

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LB reference papers summary

- The MAC group will not be asking the plenary to approve each paper individually.
- The papers have been incorporated into the revised draft clauses.

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95/137R2 - IBSS pwr mgt

- Motion: To approve with correction by simon: his LB comment re sec 8.2.2.4G "beacon -> atim window (typo).
- MAC vote: 10, 0, 4

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David Bagby

95/196 - WEP: MSDU vs MPDU revisited

- Motion: to adopt 95/196
- MAC vote: 1, 6, 8
- Paper NOT adopted
 - Decision is to apply WEP to MPDU.
 - Therefore, text in clauses has been corrected to indicate WEP on MPDU.

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95/198 - WEP: rejection of plain text Data frames MIB toggle

• Motion: to adopt 95/198

• MAC vote: 6, 0, 9

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David Bagb

95/201 - 6.2.6.3 retry limits

• Motion: to adopt 95/201

• MAC vote: 12, 0, 3

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95/203 - Assoc / Reassoc relation correction

• Motion: to adopt 95/203

• MAC vote: 11, 0, 4

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95/206 - frag vs dwell boundary

- Motion: to adopt 95/206
- amend to not del last deleted para on pg 2 of 206.
 - amend vote: 9, 7, 5
- amend: name mib var to match sec 8 ("frag threshold vs frag payload"
 - amend vote: 16, 0, 1
- main motion vote: 12, 3, 5

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95/207 - 6.2.5 Back off times

• Motion: to adopt 95/207

• MAC vote: 10, 1, 8

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David Bagi

Uncompress TIM papers

- 95/208 Uncompress TIM / trailing zeros.
- 95/209R1 Uncompress Tim / trailing & leading zeros.
- Motion: to adopt either 208 or 209R1
 - Vote: 6,5,6
- Motion: vote for one:
 - adopt 208: 1
 - adopt 209R1: 7
 - abstain: 5
- result: 95/209R1 adopted.

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95/210 - Association: different states between stations.

- Motion: to adopt 95/210
- MAC vote: 14, 0, 4

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95/211 - WEP: Multiple default key support

- Motion to adopt 95/211
- MAC vote: 5, 1, 11

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95/212 - Connection mgt stuff hanging around in D2.

- Motion to adopt 95/212
- MAC vote: 12, 1, 5

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David Bagb

95/213 - Status code fill in

- Motion to adopt 95/213:
- wim: move to change reason 13 to "Association denied because the requesting STA is not authenticated:
 - 11, 0, 6
- Motion: refer to mac sub-grp working thru sec 4 comments.
 - unan.

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D2 Letter Ballot Comment Resolutions

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David Bagby

LB Resolution: Clause 1

- Total comments: 122
- Technical comments: 32
- Unresolved subjects: 2
- Highlights:
 - Missing pics proforma
 - References to other standards
- Comment and Draft text files available
 - c1cmts.doc
 - c1draft.doc
- Motion to adopt Comment and Draft text files:
 - MAC vote: 10, 0, 2
 - Plenary vote: 31, 0, 1

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- Total comments: 241
- Technical comments: 58
- Unresolved subjects: 0
- Highlights:
 - Comment 81, 107 re restricting ESS to MAC layer components and creating a MESS.
 - » moved to not adopt comment 81/107 proposals:
 - » vote: 11, 0, 7
 - Comment 119, 140 re must define IAPP
 - » moved to not adopt comment 119 & 140:
 - » vote: 9, 0, 7
 - Comments 238-241 Layer model incorrect, needs updating (missing top. multiple same name SAPs).
 - » Instructions from MAC grp re add data sap etc.
 - » vote: unan

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David Bagb

LB Resolution: Clause 2

- · Comment and Draft text files available
 - c2cmts.doc
 - c2draft.doc
- Motion to adopt Comment and Draft text files:
 - MAC vote: 9, 0, 4
 - Plenary vote: 34, 0, 1

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- Total comments: 61
- Technical comments: 29
- Unresolved subjects: 0
- Highlights:
 - Service primitives corrected to match 802.2 1994.
 - Declined: Include encapsulated LLC info, declined by sec 4 group as not needed.
- Comment and Draft text files available
 - c3cmts.doc
 - c3draft.doc
- Motion to adopt Comment and Draft text files:
 - MAC vote: 9, 0, 6
 - Plenary vote: 29, 0, 1

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David Bagby

LB Resolution: Clause 4

- Total comments: 244
- Technical comments: 153
- Unresolved subjects: 1
 - how to encode duration info for multirate
 - » Using Plenary guidance from Wed.
 - » Text did not et incorporated due to lack of time.
- Editor referral:
 - MAC vote 10,1,5 to remove clause 1.5 editors to accomplish after meeting.
 - Figures need editing by someone who has visio to complete text edits.

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- Highlights:
 - Declined proposal to encapsulate non-802 link layer info
 - Split Pwr Field into pwr bit / more bit
 - Kept Existing to/from DS bits
 - Removed vestiges of connection mgt
 - Changed IBSS BSSID from MAC adr to TSF derived BSSID
 - Clarified bit & octet ordering
 - Incorporated 95/137R1 (IBSS pwr mgt)
 - Incorporated 95/209R1 (tim compression)
 - Removed regulatory domain field
 - Specified status and reason codes
 - Updated and clarified fame sequences

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LB Resolution: Clause 4

- Comment and Draft text files available
 - c4cmts.doc
 - c4draft.doc
- Motion to adopt Comment and Draft text files:
 - MAC vote: 16, 0, 2

- Plenary vote: 30, 2, 2

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- Total comments: 93
- Technical comments: 42
- Unresolved subjects: 0
- Highlights:
 - Incorporated papers:
 - » 196 (WEP on MPDU)
 - » 198 (exclude unencrypted MPDU)
 - » 211 (Key ID field)
 - » 212 (WEP edits missed from D2)

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LB Resolution: Clause 5

- Highlights
 - Declined:
 - » Make WEP mandatory
 - » WEP CRC 32->16
 - » Combine Reassoc and Auth
 - » Proposed deletion of shared key authentication.

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- Comment and Draft text files available
 - c5cmts.doc
 - c5draft.doc
- Motion to adopt Comment and Draft text files:
 - MAC votes:
 - » Adopt all but resolution related to 95/248:
 - » MAC vote: 13, 0, 4
 - » Adopt 95/248 recommendation (to decline 95/248):
 - » MAC vote: 8, 2, 9
 - Plenary vote: 27, 1, 1

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David Bagby

LB Resolution: Clause 6

- Total comments: 335
- Technical comments: 203
- Unresolved subjects:
 - one deferred

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- Highlights:
 - Approved documents included: 201, 206, 207 & 174 & 196
 - Excepting the above papers, no functionality has been changed by the comments resolved. The text has been changed/clarified to reflect the current function.
 - Deleted subclause 6.1.5 (suggested by many comments) which repeated Data Service information
 - Pretty much re-wrote wording of subclause 6.2 because of many comments
 - Specifying references to MIB variables a lot.
 - Clarified NAV setting and clearing (not changed, just clarified)
 - Bounded CF period for max length

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David Bagby

LB Resolution: Clause 6

- Referred to MAC group:
 - #197 Matt, increasing the reliability of broadcast
 - » motion to decline adoption of clause 6 comment 198:
 - » move to lay motion on table: 6, 4, 4 tabled
 - #49 Apple patent issue defer to Vic
 - » Apple patent comment from Ed Geiger.
 - » Motion to decline comment to remove RTS/CTS or approach apple for patent license.
 - » vote: 11, 2, 3

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- Clause 6 editing not quite completed:
 - 95/247 motion from wed plenary "duration into PLCP header" text not edited to reflect this action.
 - clause 6.7 re correcting state machine errors, comments to fic accepted, but text not edited yet.
 - » impact of sec 4 change of last frag to more fragments causes ripple edit in state machines.
 - Figure 6.3 edit needed due to lack of visio.

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LB Resolution: Clause 6

- Comment and Draft text files available
 - c6cmts.doc
 - c6draft.doc
- Motion to adopt Comment and Draft text files:
 - MAC vote: 12, 0, 2
 - Plenary vote: 28, 1, 0

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- Total comments: 6
- Technical comments: 2
- Unresolved subjects: none
- Highlights:
 - All change editorial
 - Both tech comments withdrawn by authors.
- Comment and Draft text files available
 - c7cmts.doc
 - c7draft.doc
- Motion to adopt Comment and Draft text files:
 - vote: none needed as all changes editorial in this section.

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LB Resolution: Clause 8

- Total comments: 184
- Technical comments: 107
- · Unresolved subjects: none
- · Highlights:
 - Mostly minor clarifications
 - Consistency updates to support other clauses
 - Pwr mgt for PCF improved
- Comment and Draft text files available
 - c8cmts.doc
 - c8draft.doc
- Motion to adopt Comment and Draft text files:
 - MAC vote: 12, 0, 2
 - Plenary vote: 31, 0, 1

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Plenary motions:

 Moved: That the resolution of D2 LB comments adopted during this week be reflected in the contents of Draft D2.1 (with change bars).

MAC vote: 13, 0, 2Plenary vote: 31, 1, 1

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David Bagb

Goals for Jan 96

- Complete unresolved LB comments:
 - Clause 1:
 - » Finish MAC pics proforma
 - Clause 4:
 - » How to encode duration info for multirate editing
 - Clause 6:
 - » tabled clause 6 comment 197
 - » 95/247 motion from wed plenary "duration into PLCP header" text not edited to reflect this action.
 - » clause 6.7 re correcting state machine errors, comments to fix accepted, but text not edited yet.
 - impact of sec 4 change of last frag to more fragments causes ripple edit in state machines.
 - » Figure 6.3 edit needed due to lack of visio.
 - General comments did anyone process these?

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Goals for Jan 96

- Complete D2 draft editing using D2.1 as base.
- Use output of Nov mtg (D2.1) to complete D2 LB comment processing resulting in D2.2 (D3.0?).

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MAC group report

That's all for now...

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