

Goals for May 96

- We had one goal Process D3 LB comments and prepare D4.0 for sponsor ballot.
- We made it. (99.846%)

IEEE 802.11 MAC report May 1996

Misc Subjects

- Mar MAC minutes approved?
 - Must wait for Quorum in July.

IEEE 802.11 MAC report May 1996 Doc 9683 David Bagby

This Week's work summary

- · Work was done in
 - Clause 7
 - Clause 9
 - Clause 11
 - General & Annex

IEEE 802.11 MAC report. May 1996

Doc 9577

Clause 1 Status

• Completed - in Plenary Mar/96

IEEE 802.11 MAC report May 1996

Doc 96/83

Clause 2 Status

• Completed - in Plenary Mar/96

IEEE 802.11 MAC report May 1996

Doc 95/83

David Bachy

Clause 3 Status

• Completed - in Plenary Mar/96

IEEE 802.11 MAC report May 1996

Clause 4 Status

• Completed - in Plenary Mar/96

IEEE 802.11 MAC report. May 1996

Clause 5 Status

• Completed - in Plenary Mar/96

IEEE 802.11 MAC report May 1996 Doc 96/83 David Ba

Clause 6 Status

• Completed - in Plenary Mar/96

IEEE 802.11 MAC report. May 1996

Doc 96/83

Clause 7 Status

- Most comments Adopted in Mar/96 Plenary
- Rest handled this week.
- Details to follow in report.

EEE 002.11 MAC report May 1996

Dec 96/83

David Back

C7: C#101:

- needed work to supply missing Challenge text element.
- Done only a reference correction needed so correction was editorial not technical - author agrees - comment closed with author consent.

IEEE 802.11 MAC report May 1996

Doc 96/83

May 1996 doc.: IEEE P802.11-96/83

Clause 8 Status

• Completed - in Plenary Mar/96

IEEE 802.11 MAC report May 1996 Doc 96/83 David Bag

Clause 9 Status

- Most comments adopted Mar/96 plenary
- 30-40 comments processed this week.
- Details to follow in report.

IEEE 802.11 MAC report May 1996

Doc 96/83

C9-C# 102, 103

- PS poll etc
- rec: decline 102, 103 withdrawn, text added to clarify actions
- MAC Vote: 13, 0, 1Plenary Vote: 19, 0, 3

IEEE 802.11 MAC report May 1996

Doc 96/80

David David

C9-C# 108

- rec: accept only send CTS if nav clear
- MAC Vote: 10, 0, 2
- Plenary Vote: 20, 0, 3

IEEE 802.11 MAC report May 1996

Doc 96/83

C9-C# 112

• rec: back off after xmit, rec=accept

MAC Vote: 10, 0, 2Plenary Vote: 19, 0, 2

IEEE 802.11 MAC report May 1996

Doc Maria

David Baoby

C9-C# 122

 rec: collapse 2 overlapping sub section text re directed MPDU

• MAC Vote: 12, 0, 1

• Plenary Vote: 18, 0, 3

EE 802.11 MAC report May 1996

Ooc 96/83

C9-C# 136

- rec: delete some text from 9.2.8 (explanatory)
- MAC Vote: 12,0, 1
- Plenary Vote: 18, 0, 1

IEEE 802.11 MAC report May 1996 Doc 95/83 Da

C9-C# 149

- rec: contradiction fixed re CF ack vs null data frame
- MAC Vote: 12, 0, 2Plenary Vote: 19, 0, 1

IEEE 802.11 MAC report May 1996

Doc 96/83

C9-C# 150

rec: clarify sentence re PCF issuing of some fame types

MAC Vote: 11, 0, 1Plenary Vote: 19, 0, 0

IEEE 802.11 MAC report May 1996

Doc 96/83

David Ranby

C9-C# 155

 rec: adding word to 9.2.5.2 re when use backoff detail

MAC Vote: 13, 0, 1Plenary Vote: 16, 0, 0

EEE 802.11 MAC report May 1996

Occ 96/83

David Ranhy

C9 - C#105

- frame exchg sequences doc 96/76
- rec: adopt 96/76 as amended by MF and discussion - revised paper provided by JZ to for edit into clause 9 text.
- MAC Vote: 17, 0, 0Plenary Vote: 18, 0, 0

IEEE 802.11 MAC report May 1996 De

Doc 95/83

David Gaste

C9: C142

- re resetting NAV condition.
- MAC vote: 10, 1, 2
- Plenary Vote: 18, 0, 1

IEEE 802.11 MAC report. May 1996

Doc 96/83

C9, C#: 126, 137

- clarifies PCF operation re getting on medium requires sensing before.
- MIB change for DTIM default value. from 5 to 1.
- MAC vote: 13, 0, 1
- Plenary Vote: 19, 0, 1

IEEE 802.11 MAC report May 1996

Doc 95/83

David Bagby

C9: c#: 133, 134, 135, 130, 113 Back off and Retry

- clause 9.2.5.3
- · rec:
 - error recov responsibility of initiating sta of fame sequence
 - Docs error cases
 - clarifies retry limits and counts
- MAC vote: 14, 0, 0
- Plenary Vote: 19, 0, 1

IEEE 802.11 MAC report May 1996

Doc 96/83

Clause 9: 139, 138

- Time Out Stuff
- ACK and CTS subclauses added para to deal how time out is detected, distinguishes different cases.
- mostly wording improvement.
- Mac vote: 14, 0, 0
- Plenary Vote: 20, 0, 1

IEEE 802.11 MAC report May 1996

Doc 96/83

David Rook

C9 - C#154 -

- frags in order (not MSDUs in order)
- rec = accept.
- MAC vote: 13, 0, 1
- Plenary Vote: 20, 0, 1

IEEE 802.11 MAC report May 1996

Doc 96/83

Clause 10 Status

• Completed - in Mar/96 plenary.

IEEE 802.11 MAC report May 1996 Doc 96/83

Clause 11 Status

- Most handled in Mar 96 Plenary
- remainder processed this week.
- · details to follow:

EEE 802.11 MAC report May 1996

Doc 96/83

add Bardw

Clause 11: C#43, 42

- re clarification of PSP must get, vs can get data from AP
 - reopened in Mar plenary swapped 42/43 so that 42 is rec
 - changes clause 11.2.1.4f
- Mac vote: 14, 0, 0
- Plenary Vote: 19, 0, 0

IEEE 802,11 MAC report May 1996

Doc 96/83

David Bagby

Clause 11 C#17:

- re randomization of beacons at TBTT
- Rec: change 11.1.2.2
- MAC vote re C#17: 13, 0, 2
- Plenary Vote: 19, 0, 0

IEEE 802.11 MAC report May 1996

Doc 96/83

Cross Clause Subjects

BC/MC reliability

- Clause 9: C#21: multi-cast reliability from Jan (multiple comments)
- bcast reliability Clause 11 C# 14,44,59
- move to adopt 96/15 and 96/16
- Mac Vote: 3, 0, 6
- Plenary Vote: 4, 7, 10
- Comments still open not closed.

EEE 802.11 MAC report May 1996

Doc 96/83

David Bagby

IEEE 802.11 MAC report May 1950

Multi-rate

• Clause 7: C#72,74

• Clause 9: C#9

• Clause 11: c#67,91,92,100,102

• General c#124

 Move to accept 96/79R1 + change to encoding of supported rates, and incorporate into draft, and close related LB comments accordingly.

• mac vote: 14, 0, 2

IEEE 802.11 MAC report May 1996

Doc 96/83

David David

Multi-rate...

- Plenary Actions:
- Amended to be as above "except for the portion of 96/79R1 which pertains to clause 14 and 15.
- Plenary vote on amended motion: 16, 0, 1

IEEE 802.11 MAC report May 1996

Doc 96/83

May 1996 doc.: IEEE P802.11-96/83

General and Annex Comments

- most handled in Mar 96 Plenary
- Remainder processed this week
- · Details to follow

IEEE 802.11 MAC report May 1996

Doc 98/83

David Bagby

general C#1:

- explicit that CF frames not used outside Cf period
- accepted D3.1 statement added to 9.3.3.5
- mac vote: 13, 0, 0
- Plenary Vote: 11, 0, 2

EEE 802.11 MAC report May 1996

Doc 96/83

general C#121 -

- unable to process refers to previous letter ballot comment with out any specific reference
- · fails comment instructions.
- · closed we looked, no action requested -
- MAC vote: unan
- · Plenary Vote: unan

IEEE 802,11 MAC report May 1996

Doc 96/03

David Begby

general C#122 -

- minimally conformant network statement per PAR requested.
- · rec add def to clause 3 and ref in PICs.
- proposal: to add in clause 3 (defs) the following:
 - A minimally conformant IEEE P802.11 network is one in which there are at least two Stations in a single BSA which are conformant with P802.11.

• MAC Vote: 11, 0, 0

• Plenary Vote: 15, 0, 1

IEEE 802.11 MAC report May 1996

Doc 96/83

general C#123 -

- connection, connectionless, voice service (VH) no action requested in comment
- accepted without action and closed.
- Action requested (none) accepted
- Mac Vote: unan.
- Plenary Vote: 12, 0, 4

IEEE 602.11 MAC report May 1996

Doc 96/83

David Bagby

General: Editorial comments

- 107 thru 111, 114, 115, 120, 125, 126, 128 editorial
- Editors will process for D4.0

IEEE 802.11 MAC report May 1996

oc 96/83

David Bardw

General: Notation

- General C#127 k vs. K Fixed in D3.1 -
- · closed unan in Mac group.
- Plenary Vote: 13, 0, 2

IEEE 802.11 MAC report May 1996

Doc 96/8

David David

General: Patents

- general c#2:dissatisfaction with Patent due diligence / procedure following.
- rec: refer to Vic to answer re procedure part and for contact to Apple.
- Plenary motion: to close w/o taking action (mover says intent is to not take action wrt to draft text) on basis that comment is not technical in nature.
- plenary vote: 15, 1, 1

IEEE 802.11 MAC report May 1996

Doc 96/83

MAC Work note:

 From here on in report the comment tables (rev 7) have not yet been updated at time of report to reflect thurs morn actions - this needs to result in rev 8 of tables for mailing.

IEEE 802.11 MAC report May 1996 Doc 96/83 David Bagby

Annex: State machine

- general c#113 state machines
- Move: to close with "we have a volunteer to update the annex" - comment author accepts resolution.

• Mac vote: 13, 0, 1

• Plenary Vote: 15, 1, 1

IEEE 502.11 MAC report May 1996

Doc 96/83

State machines update 96/2

- moved: that we adopt what MF has today for informative annex update and completed updates to be made avail to editors before D4.0 is published.
- MAC vote: 12, 0, 1Plenary Vote: 12, 1, 3

IEEE 802.11 MAC report. May 1996

Doc 96/83

David Bagby

PICS Update

- general c#s: 3 thru 9, 104, 105, 106, 112 PICs issues.
 - 3, 4 are editorial.
 - recs
 - » 3 accepted, 4 ed ed's get, 5 fixed in text, 6 fixed in text
 - » 7- done, 8 same as 7, 9 accepted, text rewritten.
 - » 104 missing refs to clause 5 & 6 accepted text done
 - » 105 accepted by mar 96 motion 8, 106 accept
 - » 112 accept text not drafted yet. needs sec 9.
 - Moved: to accept recs for PICs comments, PICs text done so far, and remainder of PICs text will be given to editors in time for D4.0 creation.
- MAC vote: 11, 0, 2

Plenary Vote: 13, 0, 1

IEEE 802 11 MAC report May 1996

Doc 96/83

ASN doc for MIB

- 96/89
- moved: to accept 96/89 as ASN MIB code and insert into a normative annex, any discrepancy between ASN code and this week's work is considered editorial and editors will make the new annex consistent, also a statement will be added to annex that Annex takes precedence over other clauses in case of conflict.

MAC vote: 14, 0, 3Plenary Vote: 10, 1, 3

IEEE 502.11 MAC report May 1996

Doc 96/83

David Bagi

C7 C#34 TBTT and Next Dwell

- move: to decline comment on basis that comment is new functionality and does not have complete proposed text
- MAC vote: 9,2,7
- Plenary Vote: 11, 2, 3

IEEE 802.11 MAC report May 1996

Doc 96/6:

C7 # 35 when can change MIB?

- Move: decline comment and close comment with "you may change any MIB attribute whenever the std allows it - the operational wisdom of such action should be considered before doing so."
- MAC vote: 14, 1, 3
- Plenary Vote: 15, 0, 2

IEEE 802,11 MAC report. May 1996

Doc 96/53

David Pank

Multiple MSDUs 96/91R1

- Moved: to adopt text in 96/91R1 except for the 2nd to last paragraph of the submission beginning with the word 'the station shall insure that there is no group-addressed...'
- MAC vote: 16, 0, 1
- Plenary Vote: 17, 1, 1

IEEE 802,11 MAC report May 1996

Day octoo

SIFS tolerance

- Clause 7: C#6
- move: that we insert into 9.2.3.1 "an 802.11 implementation shall not cause SIFS to vary from the nominal value by more than +/- 10% of aSlotTime for the PHY in use.
- MAC vote: 14, 0, 3Pienary Vote: 16, 0, 1

IEEE 802.11 MAC report May 1996

Doc 06/81

David Backy

96/90 MSDU order

• 2 Service classes, one ordered strictly, the other not.

IEEE 802.11 MAC report May 1996

Doc 96/83

96/92 MSDU order

• maintain order at service interface instead of actual media order.

IEEE 802.11 MAC report May 1996 Doc 96/83

Discussion (re)ordering...

• move: adopt 96/90.

• MAC vote: 9, 4, 4

• Plenary Vote: 12, 3, 4

IEEE 802.11 MAC report May 1996

Doc 06/93

the last motion...

 moved: that we incorporate the 2nd to last paragraph of 96/91r1 into draft 4.0 with the addition of the words "of strictly ordered service class" after "outstanding MSDU or MMPDU".

MAC vote: 9, 0, 5Plenary Vote: 13, 1, 2

IEEE 802.11 MAC report May 1996 Doc 96/63 David Bagby

Goals for pre-July 96

- Forward D4.0 for Sponsor LB
- We anticipate that the July mtg will be boring...

IEEE 802.11 MAC report. May 1996

Doc 95/83

auld Backy

MAC group report

• That's all for now...

IEEE 802,11 MAC report May 1996

Day 66 mg