Goals for May 96

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

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

This Week's work summary

- Work was done in
  - Clause 7
  - Clause 9
  - Clause 11
  - General & Annex
Clause 1 Status

• Completed - in Plenary Mar/96

Clause 2 Status

• Completed - in Plenary Mar/96
Clause 3 Status

- Completed - in Plenary Mar/96

Clause 4 Status

- Completed - in Plenary Mar/96
Clause 5 Status

- Completed - in Plenary Mar/96

Clause 6 Status

- Completed - in Plenary Mar/95
Clause 7 Status

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

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.
Clause 8 Status

• Completed - in Plenary Mar/96

Clause 9 Status

• Most comments adopted Mar/96 plenary
• 30-40 comments processed this week.
• Details to follow in report.
C9-C# 102, 103
- PS poll etc
- rec: decline 102, 103 withdrawn, text added to clarify actions
- MAC Vote: 13, 0, 1
- Plenary Vote: 19, 0, 3

C9-C# 108
- rec: accept - only send CTS if nav clear
- MAC Vote: 10, 0, 2
- Plenary Vote: 20, 0, 3
**C9-C# 112**
- rec: back off after xmit, rec=accept
- MAC Vote: 10, 0, 2
- Plenary Vote: 19, 0, 2

**C9-C# 122**
- rec: collapse 2 overlapping sub section text
- re directed MPDU
- MAC Vote: 12, 0, 1
- Plenary Vote: 18, 0, 3
C9-C# 136
• rec: delete some text from 9.2.8 (explanatory)
• MAC Vote: 12, 0, 1
• Plenary Vote: 18, 0, 1

C9-C# 149
• rec: contradiction fixed re CF ack vs null data frame
• MAC Vote: 12, 0, 2
• Plenary Vote: 19, 0, 1
C9-C# 150

- rec: clarify sentence re PCF issuing of some fame types
- MAC Vote: 11, 0, 1
- Plenary Vote: 19, 0, 0

C9-C# 155

- rec: adding word to 9.2.5.2 re when use backoff detail
- MAC Vote: 13, 0, 1
- Plenary Vote: 16, 0, 0
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, 0
- Plenary Vote: 18, 0, 0

C9: C142
- re resetting NAV condition.
- MAC vote: 10, 1, 2
- Plenary Vote: 18, 0, 1
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

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
**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

**C9 - C#154 -**

- frags in order (not MSDUs in order)
- rec = accept.
- MAC vote: 13, 0, 1
- Plenary Vote: 20, 0, 1
Clause 10 Status

- Completed - in Mar/96 plenary.

Clause 11 Status

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

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
Cross Clause Subjects

BC/CMC 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.
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

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
General and Annex Comments

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

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
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

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 802.11 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
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

General: Editorial comments

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

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

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
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.

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
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, 1
- Plenary Vote: 12, 1, 3

PICS Update

- general cfs: 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
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, 3
- Plenary Vote: 10, 1, 3

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
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

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
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, 3
- Plenary Vote: 16, 0, 1

96/90 MSDU order

- 2 Service classes, one ordered strictly, the other not.
96/92 MSDU order

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

Discussion (re)ordering...

- move: adopt 96/90.
- MAC vote: 9, 4, 4
- Plenary Vote: 12, 3, 4
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, 5
- Plenary Vote: 13, 1, 2

Goals for pre-July 96

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

- That's all for now...