

**Tentative Minutes of the 802.11
FHSS Group
Plenary Meeting
Vancouver, Canada
November 11-14, 1996**

Meeting notes for 11-12-96

Meeting called to order by Dear Kawaguchi at 1:45 PM.

Secretary George Fishel

Approval of minutes from last meeting.

Motion made to accept by: Stuart Kerry.

Seconded by Nathan Silberman

Vote: 5-0-0 Motion passes.

Set agenda for meeting.

- Last ballot comment processing
- 3 Mb/s PMD
- Set agenda for next meeting

Comment processing from last ballot.

Resolve all technical comments first

Tom Phinney's revisions to section 11

Clause 14.2.2.1 comment accepted.

Motion #1 made to accept by Naftali Chayat

Second by: Carl Andren

Vote: 5-0-1 motion passes.

Clause 14.2.2.1 Comment accepted to msb/lb from MSB/LSB

Motion #2 made to accept by Naftali Chayat

Second by: Rom Mahany

Vote: unanimous to accept.

Clause 14.6.8 Changes accepted with changes to France 27 and Spain 35 channels

Motion #3 by: Naftali Chayat

Second by: Stewart Kerry

Vote: unanimous motion passes

Clause 14.8.2.1.4 Motion #4 comment accepted on equation not adding up correctly. Resolution was different as proposed. Change slot time equation to the following: $a_{CCATime} + a_{RxTxTurnaroundTime} + a_{AirPropagationTime} + a_{MACProcessingDelay}$ to be consistent with 9.2.9. Suggest change to MAC figure in 9.2.9 to delete $a_{RxRFDelay}$ and $a_{RxPLCPDelay}$. Leave $a_{SlotTime}$ at 50 us.

Motion made by Carl Andren

Second by: RonMahany
Vote: 7-0-0 motion passes.

Remaining Clause 14.comments Motion #5 to accepted with the modifications as recorded in the minutes and the comments resolution file.

Motion made by: NathanSilberman
Second by:NaftaliChayat
Vote: 6-0-2 motion passes.

Clause 14.2.2 comment by RonMahany
Motion #6 made to adopt text as highlighted by: RonMahany
Seconded by CarlAndren
Vote: 6-0-1

Clause 14.2.2.2 comment by RonMahany Motion #7 made to change text to read: “The PLCP_BITRATE parameter describes the bit rate at which should transmit the PLCPPDU.”
Motin made byNaftali
seconded byron
Vote: 7-0-0 Motion passes

Clause 14.3.2.2.3 Comment Motion # 8 to accept comment.
Motion made by Carl
Seconded by:Naftali
Vote: 6-0-0 Motion passes

Clause 14.3.3.1.1 comment by TLP Motion # 9 to accept.
Motion Made by: RonMahany
Seconded by: CarlAndren
Vote: 7-0-0 motion passes.

Clause 14.3.3.2.1 Comment by Simon Black. Motion # 10 made to add statement “CS/CCA
Motion made by: CarlAndren
Second by: RonMahany
Vote: 6-0-0

Clause 14.3.3.2.1 Comment by Simon Black. Motion #11 made to add the following text: “If the PHY transitions to receives under these conditions, the countdown timer shall be reset to the longer of (1) the remaining time of the current frame and (2) the length of the new frame.”
Motion made by: CarlAndren
Second by: RonMahany
Vote: 5-0-1 Motion passes

Clause 14.3.3.2.1 Comment by TLP. Intended to be permissive Motion #12 accept
Motion made by: CarlAndren
Second by: NathanSilberman

Vote: 6-0-1 Motion passes

Clause 14.3.3.2.2 Comment by Simon Black Refer to similar comment was resolved in 12.3.5.10.2

Meeting adjourned for the day at 6:15 PM

Meeting reopened at 8:45 AM on 11-13- 96 by Deak Kawaguchi

Comment resolution on last ballot continued.

Clause 14.3.3.2.2 Comment by TLP previously resolved in 12.3.5.10.2

Clause 15.5.4.3 comment by Ron Mahany withdrawn by commentor.

Clause 14.6.14.4 Comment by TLP Motion # 13 add the following text for clarification ,”An exception occurs when the total energy within a give 1 MHz channel as defined by 14.6.5 exceeds the levels specified above.”

Motion made by: Carl Andren

Second by: Ron Mahany

Vote: 4-0-2 Motion passes

Clause 14.6.14.5 Motion # 14 to make editorial changes to clause as reflected by editorial draft.S

Motion made by: Nathan Silberman

Seconded by: Stuart Kerry

Vote: 6-0-1 Motion passes

Clause 14.6.15.5 Comment by Ron Mahany on intermodulation Motion #15 to add the text “ minimum amplitude of one of two equal interfering signals to the desired signal amplitude , where the interfering”

Motion made by: Carl Andren

Second by: Ron Mahany

Vote: 6-0-0 Motion passes

Clause 14.6.4 Comment by Jonny Z Comment conditionally withdrawn by commentor

Clause 14.6.8 Comment by Jonny Z Comment conditionally withdrawn by commentor He agrees that a statement in the informative annex explaining that the core patterns are generated by a random number generator and filtered by an algorithm.

Clause 14.8.2 Comment by Simon Black. Use SI units in the PHY parameters the maximum unit of time will be μ s

Motion # 16 made by: Stuart Kerry

Seconded by: Carl Andren

Vote: 5-0-1 Motion Passes

Clause 14.8.2 Comment by RonMahany Comment on change from hex to decimal.

Motion # 17 made to change by: RonMahany

Seconded by: CarlAndren

Vote: 3-0-0 Motion Passes

Clause 13.1.4.44 Back annotated to reflect previous comment.

Editorial comment changes

Clause 14.6.15.1 comment by PMK comment accepted . Editorial changes made

Clause 14.7.2 comment by RM comment accepted changes made.

Next item of business changes requested by MAC group.

Meeting adjourn for lunch at 12:00 noon for lunch.

Meeting reconvened at 8:30 AM on 11-14-96

Meeting called to order by DearKawaguchi

Changes made as per direction of 802.11 to use the μ s designation in section on section 10 Clause 13 and section 11 clause 14 from last night's meeting.

Motion #18 made to add " 390 μ s" to Clause 14.8.2.1.37 and 14.8.2.1.38

Motion made by: RonMulhani

Seconded: GeorgeFishel

Vote: 5-0-1 motion passes

Next item of business to comment resolution of Annex comments

Two comment on A.4.5 by VH on "FH" in place of "14" Both comment accepted and changes made.

Comment on A.4.5 by SB Motion #19 to accept comment as per recommended changes. Same comment as previous VH comment.

Motion made by: RonMahany

Seconded: GeorgeFishel

Vote: 6-0-0

Comment on A.5 by Jonny Zweig on support of regulatory domains. Motion #20 to add regulatory domain as an optional item.. Support of any one geography is optional. For any supported geography all relevant technical requirements must be met.

Motion made by: Ron Mahany

Seconded: Carl Andren

Vote: 4-0-0

Discussion on RSSI max or Strength No decision made.

Motion #21 to accept the changes to clause 14 and the FH portion of annex A of the D5 draft made by the FH PHY group at the November 96 meeting to resolve sponsor ballot comments.

Motion made by: Carl Andren

Seconded: Ron Mahany

Vote: 5-0-0 motion passes

Meeting adjourned at 10:05 AM by Dean K.

Meeting minutes respectfully submitted by:

George Fishel

Members present at meeting:

Mr. Carl F. Andren

HARRIS Corporation

Phone: +1 407 724 7535 voter

Fax: +1 407 724 7886

E-Mail: candren@harris.com

Mr. Naftali Chayat

BreezeCom

Phone: +972 3 645 8423 voter

Fax: +972 3 645 9191

E-Mail: naftalic@mail.breezecom.co.il

Dr. Ran-Fun Chiu

Hewlett Packard

Phone: +1 415 857 7406

Fax: +1 415 852 3791 No bulk e-mail

E-Mail:

Mr. George Fishel

AMP Inc.

Phone: +1 717 592 6161 voter

Fax: +1 717 592 6179

E-Mail: gfishel@amp.com

Mr. Dean M. **Kawaguchi**
Chair IEEE 802.11-PHY/FH
Symbol Technologies Inc.
Phone: +1 408 369 2629 voter
Fax: +1 408 369 2740
E-Mail: deank@psd.symbol.com

Mr. Stuart J. **Kerry**
Vice-Chair IEEE P802.11
Symbol Technologies Inc.
Phone: +1 408 369 2634 voter
Fax: +1 408 369 2740
E-Mail: stuart@psd.symbol.com

Mr. Ronald **Mahany**
Norand Corporation
Phone: +1 319 369 3552 voter
Fax: +1 319 369 5534
E-Mail: mahanyrl@norand.com

Dr. Akira **Miura**
Panasonic Technologies Inc.
Phone: +1 415 858 1000 voter
Fax: +1 415 493 1930
E-Mail: miura@tadw.research.panasonic.com

Mr. Richard H. **Paine**
The Boeing Company
Phone: +1 206 865 4921
Fax: +1 206 865 2965 No bulk e-mail
E-Mail: richard.paine@iss-rt.boeing.com

Mr. Nathan **Silberman**
Co-chair IEEE 802.11-PHY/HS-FH
Philips Semiconductors
Phone: +1 408 991 4076 voter
Fax: +1 408 991 4800
E-Mail: snathan@ix.netcom.com

Mr. Mack **Sullivan**
Proxim Inc.
Phone: +1 415 526 3694 voter
Fax: +1 415 960 1984
E-Mail: mack@proxim.com
