

IEEE P802.11 Wireless LANs

Title: Minutes to IEEE P802.11 WLAN High Data Rate FH-PHY Group Ad-Hoc Group Meeting

Dates: Oshawa
May 1994

Minutes by: Jerry Loraine
Symbionics Ltd

SESSION 1

11 May 1994

Informal Meeting 10.30hrs to 11.00hrs

1. SESSION SUMMARY

This was a poorly announced meeting, therefore regarded as unofficial. The topic of discussion, how frequently is there a rate switch? Need to convey that the 1/2Mb/sec are not simultaneous but sequential. Suggestion that the FH and DS should unify on the rate switch.

1.1. Attendance List Session 1

Rob Carl	Pulse Spectrum
Fred Kamp	Philips
John Sonnenberg	Pulse Spectrum
Wayne Moyers (Chairman)	Wise
Jim Renfro	Raytheon
Jerry Loraine	Symbionics

SESSION 2

11 May 1994

Formal Meeting 20.30hrs to 23.00hrs

This was a formally announced session of the HSFH SS PHY.

2. REVIEW SCOPE AND PURPOSE

- 2.1. Agree Minutes from the last meeting in Vancouver
- 2.2. Generate list of issues that require to be closed close and set assignments for document preparation for July meeting.
- 2.3. Prepare co-ordinated presentation for rate switch to full PHY and MAC/PHY meeting tomorrow.

3. AGREE MINUTES

Minutes of the last meeting in Vancouver, March 1994 were unanimously accepted.

4. OPEN ISSUES AND ASSIGNMENTS

4.1. Open issues

1. Rate Switch
2. List of frame and bit functions in the PLCP header
3. CCA
4. Rx Sensitivity
5. Alternate channel filtering
6. E_b/N_0 required
7. Tx Frequency Accuracy
8. Tx Modulation Mask

4.2. Assignments

Open issue 8 and 7: to be produced by Proxim and Lannair.

Open issue 6: Lannair, for 1×10^{-5} BER.

Open issue 4 and 5: Lannair and Proxim.

Open issue 3: CCA, adopt FH. Unanimous yes.

We must produce documentation for each item that can be included in the draft spec.

5. RATE SWITCH AND PLCP

Paper will be presented by Lannair to and discussed within the group. This will include marked up state diagram for presentation. Work is also needed to modify the primitives in the FH specification, the DS primitives should be evaluated for compatibility.

Issue book 92/64B2, section 18.1 a closed issue should be considered as it states the MAC will work as well with any data rate.

An important issue is documented as open, Issue book 92/64B2, section and 18.3 'will the MAC support PHYs with variable rates?' This was motion 25 passed at the March 1994 Plenary.

Section 18.7 92/64A9 opened Sept. 1993, needs to be closed by is a duplicate of 18.2. Issue 18.7 needs to be addressed, to define the word 'simultaneous' by Wayne Moyers, to be reviewed Brian.

Wayne proposes that 4 bits be allocated for data rate signalling. No second due to the added complexity from proposed 2 bit field currently reserved. It was noted that there is a 6 bit field reserved as PSF in the PLCP signalling field in draft document 94/103, section 9.2.2.2. These will be assigned, it is believed by Ed Geiger, before the July meeting if submissions are made.

Motion by Brian, seconded Jerry:

To adjourn the meeting. Passed unanimously.

6. ATTENDANCE LIST FOR SESSION 2

Rob Carl	Pulse Spectrum
Wayne Moyers (Chairman)	Wise
Larry Zuckerman	ICS
Jim Renfro	Raytheon
Alex Herman	WinData
Mike Rothenberg	Lannair
Brian Messenger	Proxim
Hilton Hong	Proxim
Jerry Loraine	Symbionics