

Tentative Minutes of the Direct Sequence PHY Sub Group, November 1994

IEEE 802.11 COMMITTEE

**Minutes of DS-PHY meetings
November 7-11, 1994
Hyatt Regency, Lake Tahoe, Nevada**

Attendees

- Paul Struhsaker*, Aironet, DS-PHY Co-Chairman
 - Tom Krueger, Seattle Silicon
 - Al Petrick*, Harris Semiconductor
 - John Fakatselis, Harris Semiconductor
 - G. Frielock, AMI
 - Maurice France*, TGF
 - Kei Suda, NEC
 - Wes Kilgore, Harris Semiconductor
 - Jeff Rackowitz*, Intermec
 - Eric Creviston, Teledyne
 - Jan Boer*, AT&T/NCR, DS-PHY Chairman
 - Robert Buaas*, TBC
- {* = Voting Members }

**Tuesday Morning
November 8, 1994
8:30AM**

Jan Boer, Paul S. open DS-PHY subgroup meetings defining issues
Al P, is secretary for minutes of meetings
Paul S. editor

Minutes of last meeting
Jan Boer motions to approve minutes from San Antonio, Texas
Motion moved by: Paul S. Jan B. Seconds

Vote: 6-0-0 motion passed

- Issues to review:**
- PLCP Header, (1) CRC error, MAC/PHY Intf.
 - Center Frequency for Japan
 - Slot Time
 - DS position on: DTBS, Multirate, Power Control

Review of Preamble Header

The preamble is defined in as fields, ALL bits in the preamble will be transmitted
 LSB first. Amend doc. 20b3, section X.2.3.6 PLCP CRC16 bit field for 192 bit 1mbps data rate,
 packet: example 01010000{0000000} 00000011{00000000} ; 01011011} 01010111

lsb	service	msb	check sum will always
	bits		be 0001110100001111

Motion moved by : Paul S. , Maurice F seconds

Vote: 6:0:0 motion passed

Issue: New MAC-PHY interface primitives in doc. 92/241

Motion that the DS-PHY group accepts doc 241 as service primitives between the MAC-PHY and modify doc b20 11.2 to include the changes as specified in doc 241.

Motion moved by: Paul S., Maurice F seconds

Vote: 6:0:0 motion passed

Issue: that the chairman checks out the procedure for final edits and report back to the DS-PHY group by Wednesday morning.

Motion moved by: Jeff R., Bob B seconds

Vote: 6:0:0 motion passed

Issue: Jan B. proposes to change the Japan frequency from 2.483GHz to 2.484GHz

Motion moved by: Bob B., Maurice F seconds

Vote: 6:0:0 motion passed

Issue: shorten the conformance testing time of 35 microsec

Break for Lunch 12:00PM

Resumed at 1:30PM

Issue: Jan B. proposes to make the following motion.

Change 4.6.6 TX to RX turn around time to 10 microsec. Conformance test specification from 35 microsec. to 25 microsec.

Change 4.6.7 RX to TX time to 5.0 microsec. Add slot time to text. The slot time for the DS-PHY is the sum of the RX TX turn around time and the energy detect time. Refer to 11.4.8.4c

Change 4.8.4 d Energy detect time to 15 microsec.

Change text in 4.8.4a to read shall be set to a minimum value of into shall be less than or equal to

Motion moved by: Bob B. Paul S. seconds

Vote: 5:1:0 motion passed

Break for 15 minutes

Editorial Issue: Jan B. proposes to make the following text changes to section 2.3.2 and 2.3.3 for typographical errors and clarification of data transmission. Clarification: ALL PLCP fields in binary representation shall be transmitted LSB to MSB.

No vote required for editorial issues as moved by Chairman.

Issue: Motion to move and have DS-PHY be modified to support ACTIVE priority scheme in DTBS. motion of calling the question to vote on.

Moved by: Paul S, Jeff R Second

Vote 3:2:0 motion passed

Motion to accept Active priority scheme in DTBS

Moved by: Paul S., Jeff R. Seconds

Vote: 2:3:0 motion NOT passed

Motion (1) That the DS-PHY is fully compliant with all provisions of PASSIVE DTBS as presented in doc. 94/258. (2) The DS-PHY supports the co-existence mechanism for ACTIVE DTBS without modifications as presented in doc 94/258.

Moved by: Maurice F Paul S seconds
Vote: 5:0:0 motion passed

Motion: Paul S. Move that the DS-PHY fully supports multi-rate provisions as proposed in doc. 94/247 and support transmit TX power control as proposed in doc 94/259 limited to a maximum of 4 levels of TX power. (2-bits of resolution).

Moved by: Jan B, Paul S. seconds
Vote: 5:0:0 motion passed

5:00PM adjourn for the day

**Wednesday Morning
November 9, 1994
8:30AM**

Paul S. yields the floor to Maurice F. to discuss and review and discuss the proposed changes of the ORRG Recommendations. Doc 292 is a letter response of the recommended changes by the DS-PHY group

