IEEE 802.11
Wireless Access Method and Physical Specification

Title: **Report of the IEEE P802.11 PHY Group**

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Report of the IEEE802.11 PHY Group Meeting
San Diego, 8 Jan 96

1. Elect PHY Vice Chair.

Peter Chadwick, nominated by Jim Renfro, seconded Mack Sullivan.
Accepted unanimously.

2. Old Business

a) Acceptance of minutes of last meeting: acceptance proposed
Peter Chadwick, seconded Jan Boer. Accepted unanimously.

b) Duration field/multi-rate.

Brief discussion of the issue, straw poll on moving the duration field in the PLCP header.
Results were 5, 2, 1 in favor.

c) PHY service primitives (clause 9)

We addressed all of the technical letter ballot comments on clause 9 of D2.0.

16 technical comments
7 accepted
9 rejected (2 from duration field issue)

Discussion on the comment by Michael Fischer on 9.3.5.2.3 to add: <u>The time between receipt of the last bit of the provided octet from the WM and the receipt of this primitive by the MAC entity shall be the sum of aRx_RF_Delay + aRx_PLCP_Delay</u>.

Motion: accept the comment.
Moved by Jim Renfro, seconded by Jan Boer

     PHY group vote: 3, 2, 3 - Motion passed by 50% but less than 75% with the chair breaking a tie.

     Full WG vote: 12, 0, 7 Motion passes.

Motion: accept the changes to clause 9 PHY Service Primitives as documented in the distributed draft text and comments resolution file for inclusion in D3.0.
Moved by Dean Kawaguchi, seconded by Jan Boer

     PHY group vote: 6, 0, 2 Motion passes.

     Full WG vote: 16, 0, 3 Motion passes.

d) PHY MIB (clause 10)

We addressed all of the technical comments in clause 10, and added some new parameters.

8 technical comments
3 accepted
5 rejected (4 were obsolete)

Motion: accept the changes to clause 10 PHY MIB as documented in the draft text and comments resolution file for inclusion in D3.0.
Moved by Dean Kawaguchi, seconded by Jan Boer

     PHY group vote: 7, 0, 1 Motion passes.

     Full WG vote: 17, 0, 2 Motion passes.

3. New Business

a) 3 Mbps presentation postponed due to Naftali's weather related absence. Will be on March 1996 agenda.

b) FCC wish list. Insufficient time remaining. Added to March 1996 agenda.

4. Agenda for March 1996

Resolution of D3.0 letter ballot comments

3 Mbps informational presentation

FCC wish list

Conformance testing

Report of the IEEE802.11 FH-PHY Group Meeting
San Diego, 8 Jan 96

Vice-Chair .

Peter Chadwick, nominated by Dean Kawaguchi, seconded by Jim Renfro.

FH PHY vote: 3 - 0 - 1.

Congestion after Hop

Jim McDonald raised the problem of collisions immediately after hopping. After discussion, it was decided on a straw poll to recommend that after a hop had taken place, there would be a new back-off number chosen.

Motion: that the group recommend that the MAC group implement the above change. Moved by Jim Renfro, seconded by Peter Chadwick.

FH PHY vote: 3 - 0 - 2 Motion passes.

PICS Proforma

Dean Kawaguchi introduced the PICS pro-forma table. After discussion, it was decided that where items related to the support of service primitives be changed from optional to mandatory. Format changes requested by Bob O'Hara would be implemented by Dean Kawaguchi.

Motion in PHY group: Table the service primitives changes until March 1996 PHY meeting. Moved by Dean Kawaguchi, seconded Jan Boer

PHY vote: 6, 0, 2 Motion passes.

Sect 11 as revised

The changes voted in the November 1995 meeting did not appear in the D2.1 draft due to some mixup in emails. The edited version was distributed in the FH meeting and reviewed. We implemented additional cleanup and MIB updates. The only significant technical change made was on CCA busy during hop.

Technical change: CCA Busy during Hop

Motion: that the CCA should indicate "Busy" during a hop_time, and that hop_time should be a period of 224μs, starting from the time that the radio is commanded to change channel.
Moved by Dean Kawaguchi, seconded Peter Chadwick

FH PHY voted unanimous. Motion passes.

PHY vote: 6, 0, 1 Motion passes.

Full WG vote: 19, 0, 1 Motion passes.

MIB Additions:

aPreamble_Lngth
aPLCP_Hdr_Lngth
aMPDU_Lngth_Factor

aPref_Max_MPDU_Frgmnt_Lngth
Motion: To add this parameter in as a STATIC value of 400 octets.
Moved by Dean Kawaguchi, seconded by Ron Mahany

FH PHY vote: 4, 2, 0 motion passes with 50% but less than 75%

PHY vote: 3, 0, 3 Motion passes.

Full WG vote: 2, 16, 1 Motion fails.

Motion: Accept the ratified changes made at the January 1996 meeting to Clause 11 FH PHY on the edited text from the November 1995 meeting, as documented in the distributed draft text, for inclusion in D3.0.
Moved by Dean Kawaguchi, seconded by Peter Chadwick

FH PHY vote: 5, 0, 1 Motion passes.

PHY vote: 8, 0, 0 Motion passes.

Full WG vote: 17, 0, 1 Motion passes.

Agenda for March 1996

Resolve letter ballot comments

Inclusion of France, Spain, Australia, etc.

Report of the IEEE802.11 DS-PHY Group Meeting
San Diego, 8 Jan 96

Updated clause 12 with editorial changes and to be consistent with updated clauses 9 and 10.

Motion: Accept the changes made at the January 1996 meeting to Clause 12 DS PHY, as documented in the distributed draft text, for inclusion in D3.0.
Moved by Jan Boer, seconded by John Fakatselis

DS PHY vote: 4, 0, 0 Motion passes.

PHY vote: 5, 0, 0 Motion passes.

Full WG vote: 14, 0, 2 Motion passes

Finalized the PICS proforma for clause 12, available in document 96/13.

Motion: Accept the changes in 96/13 for clause 12 PICS Proforma.
Moved by Jan Boer, seconded by John Fakatselis

DS PHY vote: 4, 0, 0 Motion passes

PHY vote: 5, 0, 0 Motion passes.

Full WG vote: 11, 0, 5 Motion passes.

Discussion of DS conformance test spec.

Minutes in document 96/12.

Agenda for March 1996

Comment processing

Proposed outline for conformance test specification

Proposed test bed for DS PHY

Report of the IEEE802.11 IR-PHY Group Meeting
San Diego, 8 Jan 96

Wrote PICS Proforma for clause 13.

Motion: Adopt the PICS Proforma for clause 13 as documented in the distributed file.
Moved by Tom Baumgartner, seconded by Wayne Moyers.

    PHY vote: 7, 0, 0 Motion passes

    Full WG vote: 17, 0, 2 Motion passes