

Report of the full PHY meeting

- Dean is apologized for his absents--> his wife gave birth to a daughter Mondaynight
- Agenda
 - Minutes (unanimous approved)
 - 3 Mb/s FH presentation
 - comment resolution
 - conformance testing (not addressed)
 - FCC wish list (not addressed)

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3 Mbps FH presentation

- Naftati presented paper (96/52)
- Motion to form a sub group (within the FH group) with the charter to study rates higher than 2 Mbps
-
- vote: 7-0-5 motion PASSES
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- Naftali will lead this group
- No time is allocated at this meeting for this topic as the main task is to resolve the D3.0 letter ballot comments

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Length Field

- Motion: that there be no change at this meeting to alter the current definition of the PLCP LENGTH field.
 - DS vote 2-1-4
- As a result of this vote for all comments on changing the Length field definition there was no majority of 75%

'SLOP' on timers

- DS specifies max times for RX-TX, TX-RX and energy detect time (CCA Time)
- We did not see the reason for defining slop on the specified SIFS and Slottime
- What does the MAC want?
 - slop on SIFS is no problem to the DS
 - why slop on Slottime?

Technical changes

- 1. Motion to making the receive state machine requirement to reset upon the receipt of an out of spec PLCP header optional.
 - DS vote 5-1-1
- 2. Motion on TX spectrum Mask measurement: add to ... the measurements shall be made using 100kHz resolution bandwidth ...**and 30 kHz video bandwidth.**
 - DS vote 5-0-0
- Ratification
 - Full Phy vote 8,4,1
- ratification on 1st motion full phy 1,4,1
- ratification in motion 2 full phy 6,0,0

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Conformance testing

- 2 documents on conformance testing were presented by John F. and discussed
 - doc 96/66 gives an conformance testing (strawman) outline
 - doc 96/67 proposes test bed configurations

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Processed comments

- Johnny “duration” - accepted, then overruled by multirate committee, and rejected
- Japanese regulations - most rejected on grounds of being informational; one informational point corrected in the draft.
- 1 Mb/s definition got closer to the way the 2 Mb/s is defined
- RM CCA wording modification rejected

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Processed Comments

- Spectral shape testing done with pseudorandom pattern
- Relaxation of spectral mask rejected
- aRx_TxTurnaroundTime change to min/nom/max rejected, as it is reflected in SIFS tolerance

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Unsupported rates handling

- Modified Rx procedure and CCA procedure to align with multirate workgroup dispositions: In case of PLCP header with good CRC and unsupported rate,
 - exit to (newly formed) MONITOR_PACKET CCA state, which monitors the channel without antenna switching until it is idle
 - Send to MAC
PHY_RXEND.ind(RXERROR=unsupported_rate)
 - ?? is Unsupported_rate error same as Format_Violation ??

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Japanese regulation discussion

- Email with questions sent to Japan
 - Caller ID requirements
 - Hopping pattern acceptability
 - transmit power clarification
- Art Lashbrock from FH will participate in ad hoc PHY group on that subject

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FCC wish list/ reaction to NPRM

- FH PHY decided it is appropriate to answer to NPRM 96-8 of FCC
- Decided to support wider channels at frequency hopping.
- Not discussed yet in Full PHY

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Issues for next meeting

- Approval of January minutes
- France and Spain hopping tables - to next meeting
- Japanese regulations
- Conformance Testing

