

**IEEE P802.15
Wireless Personal Area Networks**

Project	IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)		
Title	PDX to Berlin conference call minutes		
Date Submitted	[11 July, 2004]		
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Re:	[802.15.3-2003.pdf]		
Abstract	[This minutes of the 802.15.3b conference calls from Portland (July 2004) to Berlin (September 2004).]		
Purpose	[]		
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1. August 10, 2004, 8 am PDT

TG3b call minutes

Attendees: John Barr, Bill Shvodian (WMS), Jay Bain, James Gilb (JPKG), Dave Thompson, Peter Johansson (PJ), Mark Schrader

Meeting called to order at 8:05 am PDT.

Agenda (from email)

- Roll call
- Status of work items
- Text ready for review (see below)
- Dly-ACK presentation (15-04-299-00-3b-modified-delayed-ack-ieee-802-15-3)
- Adjourn

Status of work items: JPKG has assigned people to write text, document to be posted.

Next call will be 8/17/2004, WMS will present token passing vs. polling. JPKG to schedule discussion of 4 unresolved comments.

Berlin agenda

- Due date for text submissions for current comments is September 8, 2004, high tide in San Diego.
- First session Monday 1:30, set agenda, approve minutes from Portland and conference calls.
- Drafting/draft review – status of drafting.
- Other drafting review on Monday afternoon
- MLME review on Tuesday
- Wednesday – additional drafting discussion/review
- Thursday – morning joint with TG5, afternoon prepare for letter ballot.

Text ready for review:

1. Comment #2: 802.15.3 encryption changes for frame retransmissions

Suggested changes..

10.2.4 Nonce value

(end of first paragraph)

....as long as a DEV does not send more than 65536 frames to a particular DestID within that superframe. (delete last sentence and add) To allow a frame to be retransmitted within the same superframe using the same nonce certain bits are masked to zero in all frames for the integrity code calculation. In all frames, the Retry

bit and the More data bit shall be masked to zero in the Frame Control field for the integrity code calculation. Frames retransmitted in a subsequent superframe shall use a new nonce. (replaces) If a frame is retransmitted and a single.... to end of paragraph.

WMS wondered if we need this because of the method used for the 802.15.3 nonce. This was previously considered in an earlier draft and rejected.

JPKG will add this to the draft with some more tweaking.

2. RX status feedback

7.2.4 Fragmentation Control

Add text after figure 10.

The three octets that comprise the Fragmentation Control field may be used for reporting PHY specific receive status information to the transmitting DEV in Imm-ACK and Dly-ACK frames.

New clause

7.2.? Receive Status

When used for reporting receive status, the octets that comprise the Fragmentation Control field should be formatted as illustrated in Figure ??.

New table: Receive status field format

b0-b2 Status type

b3-b23 PHY specific receive status value

PJ suggest b0-b23 as PHY specific data, 0x000000 is reserved and indicates that no information is present, all agreed to change.

JPKG: May need to change Figure 6 to address both fields.

7.2.?1 Status Type

The Status Type field identifies the type of PHY specific receive status. A status type value of zero indicates that no status information is present.

In this case, all other bits in the receive status field shall be set to zero by the transmitting DEV.

(don't use above because of change to single field).

7.3.2.1 Immediate ACK Frame

Add to table 44

Fragmentation control

Setting on transmission: 0x000000 or Receive Status value in table ??

Interpretation on reception: 0x000000 may be ignored - any other value decode Receive Status

Interpretation on reception: May be ignored

7.3.2.2 Delayed ACK Frame

Apply same change to table 45.

JPKG: To add definition for clause 11 of the field. Use RSSI and LQI. Possibly add to 11.7

New business

WMS requests presentation time for Dly-ACK improvements.

John Barr will send note to Sanjeev Sharma that the group will review the proposal next week, but is leaning toward rejecting it.

JPKG to post list of tasks.

Meeting adjourned at 8:50 am PDT.