**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | Minutes of IEEE 802.15.8 TG teleconference meeting on February 3rd EDT |
| Date Submitted | February 4th , 2016 |
| Source | Marco Hernandez (NICT) |
| Response |  |
| Abstract |  |
| Purpose | For reference in TG8  |
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**Content**

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Chair: Prof. Myung Lee (CUNY), USA.

Secretary: Marco Hernandez (NICT), Japan.

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Wednesday February 3rd, 7:00 AM EST.

Participants: Prof. Lee, Marco, HB Li, Igor, Billy, BJ, SS Joo.

─Chair calls the teleconference meeting to order.

**Chair:** The agenda for this teleconference is to check the progress status.

We have 2 contributions. BJ, go ahead.

1st presenter is BJ (ETRI) "P802.15.8\_D0.18.0+primitives.doc" submitted to the email reflector.

─BJ describes editorial changes to the Draft.

2nd presenter is BJ (ETRI) "DIFS and EIFS" PP file submitted to the email reflector.

─BJ describes IFS between 802.11 and PAC. He proposes to use EIFS to protect ACK packets.

**Chair:** In slide 2, when the channel becomes silent, after DIFS a PD starts transmission. Then ACK packet will not be interfered because SIFS is shorter than DIFS.

**Chair:** You should check the possible ACK packet will not interfere in case the channel becomes idle and other PDs join in (intent to transmit).

**BJ:** In order to protect an ACK packet, use EIFS.

─BJ explained a scenario where the hidden terminal problem happens and ACK can be collided.

**Chair:** I do not know if that happens, and hidden terminal problem?

**Billy:** we should consider all cases: a PD listens all the time. A PD starts listening late and waits, etc.

**Chair:** We should consider the cases when devices comes in and the channel is busy and when the channel is idle. The timings are different, and the hidden terminal problem.

**BJ:** In 11, if the channel is idle, access the channel immediately. They call it, immediate access. However, in PAC scalability is more important than in 11. If the channel is idle, but reception of a packet was erroneous, it should wait for EIFS to access the channel.

**BJ:** In 11, in order to avoid collisions they made the MAC not scalable. But in PAC, the system scales up.

I think it is better to use EIFS.

**Chair:** Please double check EIFS for the next teleconference. We have different understandings on how 11 works.

**Chair:** I think we can pass the Draft now, before proceeding.

─BJ moves a Motion to accept the Draft v. 0.18.

Vote: in favor, unanimous.

**BJ:** I will create another version for the Draft 0.18+primitives and I will distribute it.

3rd presenter is Marco (NICT) "PHY related TBDs" submitted to the email reflector.

**Marco:** My intention was to define the minimum IFS timing and channel access timing for DIFS before the 1st back-off slot.

─After some discussion, the case of an ACK packet should be clarified in the figure.

─Another point of contention was if the items indicated in Table 2 should be implementation dependent or specified.

─Further clarification will be provided as Marco could not see a page BJ shared in Skype about this issue.

 **Chair:** Next time, we will extend the teleconference for 30 minutes more.

**Chair:** Any other comment? Hearing none, the teleconference is adjourned.