# IEEE P802.15

**Wireless Personal Area Networks**

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| Project | TG 4n Chinese Medical Band | |
| Title | **Meeting Minutes for March 2013** | |
| Date Submitted | March 21, 2013 | |
| Source | [Liang Li]  [Vinno] | Voice: 1-914-333-9687  E-mail: liangli@vinnotech.com |
| Re: | Meeting Minutes | |
| Abstract |  | |
| Purpose | Minutes of TG 4n sessions | |
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**Tuesday, March 19, 2013, 13:30 – Session 1**

Meeting was called to order by the chair.

The chair asked for approval of the previous meeting minutes (13-0073).

Meeting minutes were approved unanimously.

The chair presented “Opening Report” (13-0142).

Liang Li presented Dual-band-dsss-phy-proposal-for-ieee802-15-4n, (12-0584-04).

Q: The wireless speaker and wireless phone are confused in presentation

A: Yes and I will fix it.

Q: There are the difference between the QPSK with DSSS (8, 4), described in 15.4Q, and on your presentation. Must fix

A: Yes, I will.

Liang Li presented Adaptive-timeslot-allocation-scheme-for-medical-signal, (13-0006-02).

Q: 4k has the priority issues. How they solve it?

A: May invite Pat to give one explanation. (Art), Pat would come in PM2

Q: For DSME, LLDN, TSCH, which one is your favor on 4n?

A: No conclusion. Hope to have a same solution as 4K

The meeting was recessed by at 15:30 PM.

**Tuesday, March 19, 2013, 16:00 – Session 2**

Meeting was called to order by the chair.

Rick Powell presented FSK PHY Channelization and Data Rate Proposal (13-0037-02).

Q: Why choose 400kb/s?

A: It may be good to major applications.

Q: Is it different to FSK proposals of Mashiro

A: It is similar.

Art, Rick and Keno discuss the channel bandwidth (500KHz) and possible interference among channels.

Pat joints conference and introduces the priority processing in 4K. Pat mentions: For Beacon mode, DSME with timeslot is a good choice. For non-beacon mode, the backoff is one choice for priority signals.

The meeting was recessed at 18:00 PM.

**Wednesday, March 20, 2013, 13:30 – Session 3**

Meeting was called to order by the chair.

Chair asked for volunteers for secretary and technical editor.

We will have to amend 4e, 4f, 4g, 4j, 4k, 4m, 4p

Dietmar Eggert presented Integration of Ranging Capabilities with PHY Supporting (13-0180).

Q: Do the Ranging system need extra PHY?

A: NO.

Q: Is this ranging suitable to all of bands?

A: Yes.

Q. What will be the ranging accuracy?

A. 1 meter.

Suggestion was made to consider pseudo random hopping.

The meeting was recessed at 15:30 PM.

**Wednesday, March 20, 2013, 16:00 – Session 4**

Meeting was called to order by the chair.

Ken presented Coexistent technical proposal for wearable 15.4n device (13-0180).

Q: Do need so much channels on one band?

A: Sometime, dense apt building may need that

Q: Need the detail simulation to prove its operation ability

A: Yes, will do them in coming months

Suggestion was made to consider frequency hopping with 2FSK, BT=1, MI=.5 with Gaussian filtering.

We then took the Straw Poll for:

Poll 1: Do you agree to DSSS-QPSK and Filtered FSK are OK as 15.4n PHY?

Y: 13; N: 0; A: 0

Poll carries.

Poll 2: Do you agree to maximum transmission power is 10mW?

It is the Chinese regulation. No necessary to poll

Poll 3: Do you agree to channel alignment in the slide 6?

Y: 12; N: 0; A: 1

Poll carries.

Poll 4: Do you agree to basic PHY features in the slide 7?

Y: 10; N: 0; A: 2

Poll carries.

Poll 5: Do you agree to include phase-difference based ranging as complementary PHY characteristic as part of 15.4n PHY?

Y: 10; N: 0; A: 2

Poll carries.

Chair reviewed the timeline of 4N.

Chair suggested to setup a conference call to solve the remaining problems before next meeting.

The first conference will be Thursday April 11 at 17:00, PST, which is Friday April 12, 9:00 AM in Japan.

We have 4 slots in May conference.

The meeting was adjourned by the chair.