IEEE P802.15

**Wireless Personal Area Networks**

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| Project | TG 4n Chinese Medical Band  |
| Title | **Meeting Minutes for Sept 2013**  |
| Date Submitted | Sept18, 2013 |
| Source | [Liang Li, Arthur Astrin] | Voice: 1-650-704-2517E-mail: art@astrinradio.com |
| Re: | Meeting Minutes |
| Abstract |  |
| Purpose | Minutes of TG 4n sessions |
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**Session 1, 1:30 --- 3:30 PM, Sept 16, 2013**

Meeting was called to order by the chair.

Chair reviewed patent policy and asked:

Does anyone indicate essential IP that needs to be noted?

None was indicated.

The chair asked for approval of the previous meeting minutes (13-0465).

Meeting minutes were approved unanimously.

Chair presented “Opening Report” (13-0546).

Ken Mori presented Definition of Gaussian Filter for CMB GFSK

Ken listed his 4p comments about tracking.

Pat mentioned there are a lot of tracking comments in 4P. Some comments are critical, such as why ranging is requirement for WPAN application in train.

Pat asks the questions what applications in medical/health area are related to ranging and location.

Liang replies there are some location applications from customers. But, until now, there are not good ranging solutions on RFICs. It is expected to add ranging abilities in chip, which adopting 4N.

Dietmar presents its original slide about application again.

Pat concluded there may be two major applications as: Tracking person and tracking devices.

**Session 2, 4:00 --- 6:00 PM, Sept 16, 2013**

Meeting was called to order by the chair.

Dietmar has to leave for one conference call. Liang calls one extra conference to discuss the Ranging in morning of Tuesday. All of 4N attendants agree that.

Review the 4N standard draft (477-03) line by line.

Special Session: 10:00 – 11:00 AM Sept 17, 2013

Ken, Masahiro, Liang, Dietmar and Dr. Fu attend this special session on ranging.

After the discussion, some conclusion as:

* 4n will modify draft based upon current PAR; move ranging to ANNEX and include PHY PIB referencing required ranging capabilities

Suggested changes for the draft

1. Include in 4n draft PHY PIB referencing the ranging capabilities
2. Refer to progress in 4p (and refer to the Annex)
3. Move Ranging to Annex
* Presentation about Needs for Ranging support in Medical Application (for future meetings)
* 4N members agree to consolidate a presentation in support of ranging/RTLS services and related PHY support from applications/use case perspective. This may serve as base for future discussions.

**Session 3 1:30 PM --- 3:30 PM, Sept. 18, 2013**

Meeting was called to order by the chair.

We reviewed the draft 447-03.

**Session 4**

Meeting was called to order by the chair.

We reviewed the draft and updated it to 447-03.

After finish the full review on GFSK and O-QPSK, some conclusions are

* There are some TBD parts. All of them must be solved before Nov conference
* Dietmar team may give one new version for ranging. This version should be submitted in middle of Oct.
* In end of Oct, Draft 0.1 should be finished.

Chair called for a teleconference to resolve the remaining issues before next meeting on

**Thursday, Oct 3 at 21:00 PM PST**

**Thursday Oct. 17 at 21:00 PM PST**

**Thursday Oct. 31 at 21:00 PM PST**

**Dr. Wang asks team to review the Timeline. After checking, team confirmed 4N TG is still in right timeline.**

We will have 6 slots in September conference.

Finally, TG4N passed the 4N closing report: 572-00

The meeting was adjourned by the chair.