**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | **TG4s January 2015 Meeting Minutes** |
| Date Submitted | [5 February, 2015] |
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| Re: |  |
| Abstract | [IEEE 802.15 TG4s Minutes.] |
| Purpose | [Report progress to WG.] |
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**EEE 802.15 Interim Meeting – Session #94**

**Hyatt Atlanta**

**Atlanta, Georgia**

**January 12 - 15, 2015**

**Chair: Shoichi Kitazawa**

**Monday AM2 Session –12 January, 2015**

The meeting was called to order at 10:35 by the chair.

The chair presented TG4s January 2015 Agenda (15-14-725r0).

There is no discussion nor objection the agenda is approved by unanimous consent.

The chair presented TG4s November 2015 Meeting Minutes (15-14-667r0). There were no comments. The minutes approved by unanimous consent.

In the next, the chair presented TG4s Opening Information for January 2015 (15-15-026r0).

* The chair pointed out patent policy and made a call for notification of essential patents. There were no responses in the meeting.
* The chair presented schedule for the week, agenda items for the week and timeline.

**Presentation**

Pat Kinney presented “IEEE 802.15.4 Revision Information (15-15-034) “, which was present last IETF meeting. He pointed out some PIB will be extinct next revision.

Shoichi Kitazawa presented “An Initial Proposal of Reference Architecture for TG4s (15-15-027)”. He proposed a use case for spectrum resource measurement and management (SRMM). He pointed out the group need to define what types of PIBs and IEs are used for SRMM.

**Review Technical Guidance Document (TGD)**

The group reviewed TGD and discussed table of contents of the TGD. One more use case, Anomaly Detection, is come up during the discussion.

The chair recessed at 11:35 until Tuesday PM2 session.

**Tuesday PM2 Session –13 January, 2015**

The meeting was called to order at 15:40 by the chair. The group worked on developing of Technical Guidance Document.

**Presentation**

Shusaku Shimada presented “Vigilance of Spectrum Resource Usage in private facilities for network stability and security (15-15-040)”. This contribution is related to anomaly detection use case.

The Chair presented TGD and discussed contents of the document. The group agreed to put “Anomaly detection use case” to the TGD.

**Prepare the WNG meeting slide**

The Chair presented “Overview of TG4s Spectrum Resource Usage (15-15-0028)” for the preparation of WNG meeting slide.

The chair recessed at 17:35 until Thursday PM2 session.

**Thursday PM2 Session –15 January, 2015**

The meeting was called to order at 15:35 by the chair.

**Presentation**

Mineo Takai presented “Proposed Spectrum Resource Measurement Report Structure (15-15-86) “. This contribution proposes two different types of Spectrum Resource Measurement (SRM) requests and report structure. He pointed out SRM report header should include at least the following:

* Reporting device ID
* Measurement time
* Number of measurements included in the report

Shusaku Shimada presented “Metrics used in some Wireless Sensor Network standards (15-15-72)”, on behalf of Mitsuru Iwaoka. This contribution suggests that TG4s should support a subset of follows metrics.

* Network health monitoring
* Link health monitoring
* Device health monitoring

Those metrics are provided by some Wireless Sensor Network standards such as ISA100.11a and WirelessHART.

The chair presented “Spectrum Resource Measurement and Management requirement table (15-15-089)”. This contribution is listed up the Spectrum Resource Measurement and Management metrics in a table for further discussion.

**Prepare the Call for Contributions**

The group revised the “TG4s call for contributions (15-14-570r3)”. This revision includes the due date of March and May meeting.

**Plan for March meeting and Teleconferences**

The group confirmed that the TG4s has 3 slots in the March meeting and will have two teleconferences before the March meeting for updating the TGD.

Proposed dates of the teleconference are following.

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|  | **Date (ET)** | **Date (JST)** |
| 1 | February 3, 20:00 | February 4, 10:00 |
| 2 | February 17, 20:00 | February 18, 10:00 |

More detail about teleconference logistics will be notified by the reflector.

The chair moved the group to adjourn the meeting. There were no objections. The meeting adjourned at 17:30.

**Contributions**

* + TG4s January 2015 Agenda (15-14-725r0)
	+ TG4s Opening Information for January 2015 (15-15-026r2)
	+ IEEE 802.15.4 Revision Information (15-15-034)
	+ An Initial Proposal of Reference Architecture for TG4s (15-15-027)
	+ Overview of TG4s Spectrum Resource Usage (15-15-028)
	+ Vigilance of Spectrum Resource Usage in private facilities for network stability and security (15-15-040)
	+ Metrics used in some Wireless Sensor Network standards (15-15-72)
	+ Proposed Spectrum Resource Measurement Report Structure (15-15-086)
	+ Spectrum Resource Measurement and Management requirement table (15-15-089)
	+ TG4s call for contributions (15-14-570r3)
	+ TG4s Closing report for January 2015 (15-15-092 r0)
	+ TG4s January 2015 Meeting Minutes (15-15-0100r0)