**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | **<IEEE802.15 SCMan and SCWNG minutes>** | |
| Date Submitted | [20 March 2014] | |
| Source | [Pat Kinney] [<Kinney Consulting LLC>] [Chicago, IL] | Voice: [+1.847.960.3715] Fax: [] E-mail: [pat.kinney@ieee.org] |
| Re: | [802.15 Main and WNG Meeting in Beijing, China, March 2014] | |
| Abstract | [IEEE 802.15 Man and WNG Standing Committee Minutes] | |
| Purpose | [Official minutes of the Standing Committee Session] | |
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**IEEE 802.15 Plenary Meeting – Session #89**

**China World, Beijing, China**

**March 17-20, 2014**

**SC Maintenance**

**Tuesday 17 March 2014**

**08:13** SC Maintenance called to order by Pat Kinney (Kinney Consulting)

* Chair presents 15-14-0146-02 SC Opening Report.
  + Chair asks if there any one has knowledge of essential patents and provides an opportunity for response: **None heard**.
  + Presentation and discussion of Agenda 15-14-0119-02
    - Motion to approve the agenda:
    - Moved by Clint Powell, 2nd by Phil Beecher
    - No discussion or objections heard, motion carries by unanimous consent
  + Motion to approve the minutes of the January interim:
    - Moved by Clint Powell,
    - 2nd Phil Beecher
    - No discussion or objections heard, motion carries by unanimous consent.
* IEEE 802.15.4 revision status update
  + Rollup of 15.4-2011 with 4e, 4f, 4g, 4j, 4k by IEEE-SA COMPLETED
* 802.15.4 Timing Tasks discussion:
  + Pat provides overview and status of the MAC timing clarification (referenced to doc 15-14-0111).
  + Timing general conclusion of the group: Transceiver transition and acknowledgement should be untangled
  + Suggestion to remove macAckWaitDuration has gained support and simplifies many things: Specify when Ack shall be generated and implementer figures out when it should wait and stop waiting.
  + Suggestion to remove TX-to-RX turnaround and RX-to-TX and constant aTurnaroundTime: Specify behaviors that currently depend on this implementation constraint so the outcome is specified and the means to satisfy the overall timing constraints are left to the implementer.
  + SIFS discussion doc 15-14-0118: Pat presents the slides and reviews the discussion on the SCM conference call that discussed it. Following discussion the committee reached consensus recommendation: Retain both LIFS and SIFS as currently defined (no change).
* Pat leads review of SCM issue spreadsheet document 15-14-0367-08):.
  + Discussion on Issue #TBD clarification of IE list termination: After discussion consensus recommendation is to replace the ‘magic numbers’ with the termination IE names, add clear statement that termination of secure and unsecured frames is the same, and editor to apply format as appropriate to maintain consistent style within the standard.
  + Discussion on issue #TBD – range of macJoinPriority: After discussion consensus recommendation is to leave it alone.

**10:01** SC Maintenance meeting recessed

**SC WNG meeting**

**Wednesday 19 March 2014**

**11:00** SC WNG called to order by WNG chair, Pat Kinney

Presentations:

1. Presentation “IEEE 802.15.4 Performance In Heavily Loaded Mixed Protocol Environments” given by Tim Harington, (doc # 15-14-0167-00)
2. Presently this effort will be perused in the SGSRU which will determine if it is appropriate to include in their PAR.

**12:24** meeting adjourned

**SC Maintenance**

**Thursday 20 March 2014**

**08:02** SC Maintenance called to order by Pat Kinney, chair.

* Drafting revision to Operations Manual:
  + Address issues with “accredited SDO” with two actions: add words to allow for an industry alliance or consortium which is providing benefit to users of 802.15 standards and/or providing benefit to WG 15.
  + Add a definition of “accredited SDO” to definitions clause (Kinney).
* Revision discussion:
  + Frame counter discussion: Tero Kivinen (INSIDE secure) Presents doc # 15-14-0065-02. Discussion follows.
    - Straw poll asking if there is support for an interest group to explore security enhancements for 15.4. 14 people agree, 0 disagree.
    - Straw poll: those that do not wish to this security issue in this revision: 7 disagree 4 disagree.
    - Conclusion: Recommend to the WG to initiate a study group quantify the issue(s) and security issues and enhancements for 15.4. Tero graciously volunteers to chair a study group.
* Review of roll-up draft
  + Actions
  1. Contribution to clean-up ‘channel page’ text (Rolfe)
  2. Document a deprecation process (Gilb)
  3. SC Maint procedure to control extracted documents (Kinney)
  4. Clint Powell fix format issues with equations
  5. MSC in clause 4 need deleted/moved – determine which – Kinney
  6. LECIM length field bit order clarification (Rolfe)
  7. All CSMA figures cleanup (Kinney)

**10:01** Recessed until PM1

**13:32** Called to order by Pat Kinney, chair.

* James continues the discussion on the revision work plan and leads real-time work on organizational outline of the revisions. Phil states that he agrees with Ben on Superframe and non-superfame to replace beacon and non-beacon and then apologizes for so doing. James will post the resulting outline. Plan for revision:
  + Action items:
  + Timing eliminate multiple terms that mean the same thing
  + Reorganize so all timing information related to a function or purpose is in the same place
  + Acknowledgement specification so it is clearer and can be made consistent
* Schedule Discussion captured in document # 15-14-0196 SCM closing report.
* AOB
  + Teleconference: Wed, April 2nd, 8am PDT. Agenda: Status update, timing proposal.

**15:05**: Motion to adjourned, upon no opposition meeting adjourned.