**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | 802.15 TG10 (L2R) Minutes for September 2015 Mtg. | |
| Date Submitted | [17 September, 2015] | |
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| Re: | [TG10 (L2R) meeting minutes.] | |
| Abstract | TG10 (L2R) minutes from the September Bangkok Mtg. | |
| Purpose | [TG10 (L2R) meeting minutes.] | |
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**Minutes for IEEE 802.15 TG10 (L2R)**

**September Meeting**

**14-18 September, 2015**

**Chair - Clint Powell**

**Technical Editor - Verotiana Rabarijaona**

**Secretary - Charlie Perkins**

**Monday PM1 (9/14)**

Chair called the meeting to order at 1:43pm.

**Patent Policy and call for Essential Patents**

Chair called the group’s attention to the IEEE patent policy and made a call for notification of essential patents. There were no responses. There was a LOA sent to the IEEE SA Pat Com office, mentioned this morning in the 802.15 Plenary.

**Review and Approval of Agenda (doc# 15-15-** **0630-02)**

Motion to approve the agenda: (doc# 15-15-0630-02)

Moved: Charlie Perkins Second: Soo-Young Chang

There was no discussion and no objections therefore the motion passed and the agenda was approved unanimously.

**Approval of Prior Mtg. Minutes (doc# 15-15-0536-00)**

Motion to approve the July meeting minutes: (doc# 15-15-0536-00)

Moved: Charlie Second: Soo-Young  
There was no discussion and no objections therefore the motion passed and the minutes were approved unanimously.

**Opening Report (doc# 15-15-0xxx-00)**

All meetings in Lotus #1 or Lotus #9

Meeting Objectives

Timeline: Recirculation / Sponsor Ballot timing

Comment resolution topics; timing of work coordinated with Maintenance, Guide

Solicit Input for Nov. Update w/802.1

**Results of LB 110 Recirculation**

Voters 98

Voted 72

Yes 61

Abstain 5

No 6 (one previous No voter changed to Yes)

%Yes 91.04%

#Comments 512

#Rogue Comments 230

Discussion about mechanics of voting and carrying forward previous vote.

**Comment Resolution**

Some Rogue comments changed from Editorial to Technical

New comment category for “Guaranteed Transmission”

New comment resolution spreadsheet uploaded doc. #15-15-0318-22-0010

Chair asks if there is any further discussion about the comment categories.

No objection, so classifications are accepted.

Proposed: to accept Rogue comments for resolution

Moved: Noriyuki Sato Seconded: Charlie

No objection, so motion carries

Keep in mind that BRC will have final vote on all comment resolutions, including editorial

Chair asks if there are any objections to having Verotiana Rabarijaona resolve editorial comments; no discussion will be needed unless people want to have the discussion.

Discussion about how long before people can estimate the effort required to resolve comments assigned to them, by downloading doc. # 0318-22.

Charlie will miss Wednesday AM1 and Thursday PM1 sessions.

Charlie only has 4 comments; will do sibling routing comments Monday PM2.

Thursday PM1 comment resolution from Jaewhan Kim

Sato-san will do service ID comment on Monday PM2, continuing Tuesday AM1 if topics do not require Tero Kivinen or Verotiana.

Verotiana is not available Tuesday AM1.

Tero will be available for Wednesday AM1.

Thursday PM1 comment resolution from Soo-Young, continuing PM2. Verotiana will be available on Thursday.

The Task Group went into recess until 3:15pm to review comment resolution difficulty.

Chair calls WG back into session at 3:18pm.

The Task Group went into recess at 3:30pm until the Mon. PM2 session.

**Monday PM2 (9/14)**

Chair called the meeting to order at 4:08pm in Lotus #1.

**Patent Policy and call for Essential Patents**

Chair called the group’s attention to the IEEE patent policy and made a call for notification of essential patents. There were no responses.

**Comment Resolution**

Sibling routing comments by Charlie

* CIDs 20, R91, R124, R202
* Verotiana will email Figure 14’s Visio file to propose a resolution for R91
* Charlie & Verotiana will iterate by email to get appropriate wording and resolutions for sibling routing issues

Security comments with Tero

* Comment 137, 139, & 141: separate Table 3 into two different tables – global and per-neighbor

CID15 – Resolution: Use EUI-64s when L2R mesh spans multiple PANs.

CID95 – why are new address request commands needed instead of similar MAC address commands? To do: Verotiana and Sato-san to iterate new text.

The Task Group went into recess (at 6:00pm) until the Tues. AM1 session.

**Tuesday AM1 (9/15)**

Chair called the meeting to order at 8:13am in Room Lotus 9.

**Patent Policy and call for Essential Patents**

Chair called the group’s attention to the IEEE patent policy and made a call for notification of essential patents. There were no responses.

**Comment Resolution**

Tero was able to join the meeting, enabling comment resolutions for many comments.

CID #59: Change security mode of the L2R to “key exchange mode of the L2R”

CID #285: accept

CID #290: cross reference *l2rSNSARecordTimeout* on page 93

CID #306: Why are the “individual settings” in the PIB with long timeouts needed? The names are very long.

CID #307: Accepted

CID #308: same as for CID #306

CID #345: Accept, same as for CID #59

CID #429: Add address mode

CID #434: Accept

CID #435: L2R-D does have MCO field. Add MCO flag in descriptor.

CID #440: Add one address mode

CID #441: How are subservices handled? Answer: this is shown in table.

CID #442: Same resolution as for CID #440

CID #443: Similar to CID #514 from previous recirculation, which was rejected

CID #449: Accepted

CID #450: Accepted

CID #451: Accepted as in CID #59

CID #469, #471: accepted

CID #475: Also need L2RME-AA-RQ.indication. Accepted

CID #477: Accepted in principal

**Membership of TG10 BRC resolving comments for draft D02.**

Clint Powell, Verotiana Rabarijaona, Fumihide Kojima, Noriyuki Sato, Kiyoshi Fukui, Soo-Young Chang, Jaehwan Kim, SangSung Choi, Charlie Perkins. All who were present in the room agreed to remain on the BRC for comment resolution until November.

**Timeline Review**

Chair reviewed the next steps from the TG10 timeline. To close the Letter Ballot before the November meeting, TG must start the next Letter Ballot on October 26. This gives 5 weeks of comment resolution, and 4 weekly calls (or maybe more if multiple calls per week).

Only 7 days’ notice will be required for teleconferences after Nov. mtg., a change from previous policy. But this has not yet been ratified.

Comments on the draft D02 seem to be much more manageable than comments for draft D01. For the previous draft, the changes requested were much more fundamental.

Tero: Still some work to be done regarding MCO specification, and also about multiple mesh membership.

**Action Item**

Clint: will renumber new comments starting at CID #1001.

The Task Group went into recess (at 10:04am) until the Wed. AM1 session.

**Wednesday AM1 (9/16)**

Chair called the meeting to order at 8:06am in Lotus #1.

**Patent Policy and call for Essential Patents**

Chair called the group’s attention to the IEEE patent policy and made a call for notification of essential patents. There were no responses.

**Comment Resolution**

Planned: further resolution of Tero’s comments.

Resolutions for comments on security

CID 1477, 1478. 1498. 1499, 1500, 1507, 1509 1509, 1511 - Accept

CID 1501 - Revise

CID 1139 - change per neighbor to per mesh tree

The Task Group went into recess at 9:30am until the Thurs. PM1 session.

**Thursday PM1 (9/17)**

Chair called the meeting to order at 1:45pm in Lotus #1.

**IEEE-SA Stds. Board Bylaws on Patents in Std's. & Guidelines**

Chair called the group’s attention to the IEEE patent policy and made a call for notification of essential patents. There were no responses.

Presentation by Sato-san: doc. # 749r0 Issue found with service ID and mesh tree

**Comment Resolution**

CID 1460 - change to revise and add an AddressMode field in Table 18

CID 1462, 1465, 1466, 1467, 1470, 1472 - Accept

CID 1491 - Revise with changes indicated, and additional work is needed on resolution

CID 1495 - Accept

CID 1496 - Revise

CID 1510 - Accept

CID 1457 - Revise with changes indicated

CID 1503, 1504 - Accept

The Task Group went into recess (at 3:30pm) until the Thurs. PM2 session

**Thursday PM2 (9/17)**

Chair called the meeting to order at 4:06pm in in Lotus #1.

**IEEE-SA Stds. Board Bylaws on Patents in Std's. & Guidelines**

Chair called the group’s attention to the IEEE patent policy and made a call for notification of essential patents. There were no responses.

**Motion to form a TG10 BRC.**

*TG10 requests that 802.15 WG approve the formation of a Ballot Resolution Committee (BRC) for the WG balloting of the 802.15.4 TG10 draft recommended practice with the following membership:* Clint Powell, Verotiana Rabarijaona, Fumihide Kojima, Noriyuki Sato, Kiyoshi Fukui, Soo-Young Chang, Jaehwan Kim, SangSung Choi, Charlie Perkins. *The TG10 BRC is authorized to approve comment resolutions and to approve the start of balloting the TG10 draft on behalf of the 802.15 WG. Comment resolution on recirculation ballots between sessions will be conducted via reflector email and via teleconferences as announced to the reflector at least 30 days in advance.*

**Moved by**:  Charlie Perkins                              **Seconded by**:  Noriyuki Sato

**Discussion**:  None

**Vote**:  6/0/0 - Unanimous

**Next Steps**

Chair reviewed the next steps from the TG10 Timeline. Predicting a third recirculation will be needed. This allows for Sponsor Ballot starting in March 2016.

**Conference Call**

If we do one one-hour call per week, cannot get the draft ready before next meeting.

Choice between one two-hour call or two one-hour calls, room is evenly split.

Time change occurs after October.

Next call will be on September 28., 6pm-8pm (Arizona Time)

**Comment Resolution**

Planned: comment resolution by Soo-Young

CID 1466 (Tero): Accept with minor revision

CID 1471 (Tero): Accept

CID 1472 (Tero): Accept with revision to add AddressMode

CID 1495 (Tero): Accept

CID 1496 (Tero): Accept

CID 1503 (Tero): Accept

CID 1504 (Tero): Accept

CID 1510 (Tero): Accept

CID 1491 (Tero): WiP, depending on Service ID discussion (doc. #15-15-0749). Discussion leaning towards accepting the first option on slide 6 [higher layer uses TC IE indication]

CID 1490 (Tero): Superseded by CID 1491 discussion

CID 1492 (Tero): Accept with revision

**Adjourning the meeting**:

Closing report (doc. # 15-15-0751-00).

Chair asked if there were any objections to adjourning. None were heard.

The meeting was adjourned at 6:00pm.