**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | TG3e September 2016 Meeting Minutes | |
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| Re: |  | |
| Abstract | This document provides TG3e September 2016 Meeting Minutes. | |
| Purpose | Meeting Minutes | |
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**TG3e September 2016 Meeting Minutes**

The TG3e meetings were held on September 12th-15th 2016 at Marriot Warsaw.

### <<Meeting #1 Mon PM2>>

* Meeting was called to order at 16:00.
* The patent policy was mentioned and no patent contributions were discussed.
* Approval of meeting minutes from the last meetings (15-16-0506r00).
  + Approved with unanimous consent.
* Approval of the agenda (15-16-0586r00) for this week
  + Revised agenda, r01, was approved with unanimous consent.
* Schedule for the sponsor ballots
  + Considering the national holiday in Japan, BRC call in the next week will be on Tuesday 20 September.
* Contributions for comment resolutions
  + Contribution # 1:
    - Ko Togashi, “Comment resolution for i-16,” (15-16-0598r00)
    - Presented recovery proses of HRCP Association Response Command
  + Contribution # 2:
    - Ko Togashi, “Comment resolution for i-022,”(15-16-0599r00)
    - Presented resolution about MLME-SCAN request.
* Comment resolutions with comment spreadsheet, 15-16-0585r02
  + Mainly editorial comments were resolved.
* Recess at 18:00.

### <<Meeting #2, Tue AM2>>

* Meeting was called to order at 10:30.
* The patent policy was mentioned and no patent contributions were discussed.
* BRC teleconferences schedule
  + 6 calls between September and November sessions
  + 21-23 PDT (13-15 next day for Korea and Japan) on 9/20, 9/28, 10/6, 10/13, 10/20, 10/27.
* Presentations for comment resolutions
  + **Contribution # 3**
    - Keitarou Kondou, “Resolution for comment i-21, Multi-Rate support,” (15-16-0635r00)
    - Presented a resolution for Multi-rate support comment, #i-21.
    - The proposal was updated to r01 in the discussion the comment was resolved.
  + **Contribution # 4**
    - Keitarou Kondou, “Resolution for comment i-89 and i-90, frame length filed correction,” (15-16-0637r00)
    - Proposed a resolution for PHY header construction, #i-89 and #i-90.
    - The proposal was updated to r01 in the discussion the comment was resolved.
  + **Contribution # 5**
    - Keiji Akiyama, “TG3e Comment Resolution for i-128 of Sponsor Ballot,” (15-16-0629r00)
    - Proposed resolutions for comment about supporting the beacon of both PHY modes.
  + **Contribution # 6**
    - Keiji Akiyama, “TG3e Comment Resolution for i-17 of Sponsor Ballot,” (15-16-0626r00)
    - Proposed a resolution for comment about frequency expansion in 60-GHz band, comment #i-17.
    - The proposal was updated to r01 in the discussion.
  + **Contribution # 7**
    - Keiji Akiyama, “TG3e Comment Resolution for i-20 of Sponsor Ballot,” (15-16-0627r00)
    - Proposed a resolution for comment about PICS proforma, comment #i-20.
    - The proposal was updated to r01 in the discussion.
* Recess at 12:30.

### <<Meeting #3 Tue PM2>>

* Meeting was called to order at 16:00.
* The patent policy was mentioned and no patent contributions were discussed.
* Comment resolution status
  + Reported by Togashi
  + Togashi would prepare the percentages of the resolved comments.
* Discussion on the schedule
* Presentations for comment resolution
  + **Contribution # 8**
    - Keiji Akiyama, “TG3e Comment Resolution for i-129 of Sponsor Ballot,” (15-16-0630r00)
    - Proposed a change in Resultcode of MLME-STOP, a resolution to #i-129.
  + **Contribution # 9**
    - Keiji Akiyama, “TG3e Comment Resolution for i-204 and i-205 of Sponsor Ballot,” (15-16-0631r00)
    - Proposed a resolution for comment, i-204 and i-205, adding HRCP Multi-protocol Data format.
    - Revised to r02.
  + **Contribution # 10**
    - Keiji Akiyama, “TG3e Comment Resolution for i-206 of Sponsor Ballot,” (15-16-0632r00)
    - Proposed a resolution for comment about Payload field and MAC subheader, #i-206.
    - The commenter seems to propose that all frames supports multi-protocol data.
* Recess at 18:11.

### <<Meeting #4, Wed AM1>>

* Meeting was called to order at 9:03.
* The patent policy was mentioned and no patent contributions were discussed.
* Presentations of the comment resolutions.
  + **Contribution # 11**
    - Ken Hiraga, “Proposed resolution to comments on MCS indication,” (15-16-0622r00)
    - Proposed comment resolutions to MCS indication function.
    - In the discussion, the function of MLME-MCS primitive will be merged into MAC-HRCP-DATA. Modified texts would be presented in a BRC teleconference.
  + **Contribution # 12**
    - Keiji Akiyama, “TG3e Comment Resolution for i-23 of Sponsor Ballot,” (15-16-0628r00)
    - Proposed a resolution for comment about rule for HRCP Beacon Generation.
  + **Contribution # 13**
    - Keiji Akiyama, “TG3e Comment Resolution for i-222 of Sponsor Ballot,” (15-16-0633r00)
    - Proposed a resolution for comment about clarification about Ack mode for Association Request Command.
  + **Contribution # 14**
    - Keiji Akiyama, “Resolution for comment i-91, i-92 and i-96, mapping related comments,” (15-16-0649r00)
    - Proposed comment resolution for constellation mapping.
* Comment resolution
  + Remaining comments were reviewed with comment spreadsheet.
* Recess at 10:05.

### <<Meeting #5, Thu AM1>>

* Meeting was called to order at 8:00.
* The patent policy was mentioned and no patent contributions were discussed.
* Presentations for comment resolutions
  + Contribution # 15
    - Kiyoshi Toshiimtsu, “Comment resolution for i-024 and i-151 – rev 01,”(15-16-0600r01)
    - Proposed resolutions to comment about PPSP (Point-to-point setup phase) and PPPP (Point-to-point paired phase).
    - Updated to r02.
  + Contribution # 16
    - Keitarou Kondou, “Resolution for comment i-236, Stk-ACK for command frames,”(15-16-0686r00)
    - Proposed resolutions to comment on acknowledgement for command in PAP (pairnet associated period).
  + Contribution # 17
    - Keitarou Kondou, “Resolution for comment i-18, i-19 and i-78, Channel bonding and aggregation,”(15-16-0683r00)
    - Proposed resolutions to comments on channel aggregation and channel bonding.
    - Updated to r01
  + Contribution # 18
    - Keiji Akiyama, “TG3e Comment Resolution for i-25 of Sponsor Ballot,”(15-16-0681r00)
    - Proposed resolutions to comment on higher layer protocol information to be in MLME primitives.
  + Contribution # 19
    - Keiji Akiyama, “TG3e Comment Resolution for i-69 of Sponsor Ballot,”(15-16-0682r00)
    - Proposed resolutions to comment that Remote Scan is not appropriate for Pairnet.
* Comment resolutions
  + Remaining comments were reviewed with comment spreadsheet.
* Recess at 10:00.

### <<Meeting #6, Thu AM2>>

* Meeting was called to order at 10:30.
* The patent policy was mentioned and no patent contributions were discussed.
* Presentations for comment resolutions
  + **Contribution # 20**
    - Keiji Akiyama, “TG3e Comment Resolution for i-20 of Sponsor Ballot,” (15-16-0627r01)
    - Proposed a resolution for comment about PICS proforma, comment #i-20.
    - The updated version r01 was presented. (Initial version r01 was on Tue AM2)
  + **Contribution # 21**
    - Jae Seung Lee, “Sponsor Ballot Comment resolution on security CIDs,”(15-16-0687r00)
    - Proposed resolutions to comment on security.
    - Updated to r01.
* Comment resolutions
  + Remaining comments were reviewed with comment spreadsheet.

Recess at 12:30.

### <<Meeting #7, Thu PM2 (Additional)>>

* Meeting was called to order at 16:00.
* The patent policy was mentioned and no patent contributions were discussed.
* Comment resolutions
  + **Contribution # 22**
    - Keiji Akiyama, “TG3e Comment Resolution for i-179 of Sponsor Ballot,” (15-16-0701r00)
    - Proposed a resolution to a comment on missing text about command frame.
* Motion for BRC for sponsor ballot:
  + *Move that 802.15.3e TG approve the formation of a Ballot Resolution Committee (BRC) for the Sponsor balloting of the P802.15.3e\_D05 and P802.15.3e\_D06 with the following membership: Andrew Estrada (Chair), Ko Togashi, Itaru Maekawa, Jae Seung Lee, Keitarou Kondou, Keiji Akiyama, and Ken Hiraga. The 802.15.3e BRC is authorized to approve comment resolutions and to approve the start of recirculation ballots of the revised draft on behalf of the 802.15 WG. Comment resolution on recirculation ballots between sessions will be conducted via reflector email and via teleconferences announced to the reflector as per the LMSC 802 WG P&P*
  + Moved by Ken Hiraga, seconded by Keitarou Kondou, motion carried with unanimous consent.
* Review of the schedule
* Adjourned at 17:05.

### <<Tasks completed during the session>>

* Addressed to all comments received in the initial sponsor ballot
* BRC members and teleconference schedule were approved

### <<Next steps>>

* Before November session at San Antonio.
  + 6 BRC calls between September and November sessions
    - * (1) 09/20 Tue , 21-23 PDT (13-15 next day for Korea and Japan)
      * (2) 09/28 Wed, 21-23 PDT (13-15 next day for Korea and Japan)
      * (3) 10/06 Wed, 21-23 PDT (13-15 next day for Korea and Japan)
      * (4) 10/13 Wed, 21-23 PDT (13-15 next day for Korea and Japan)
      * (5) 10/20 Wed, 21-23 PDT (13-15 next day for Korea and Japan)
      * (6) 10/27 Wed, 21-23 PDT (13-15 next day for Korea and Japan)
  + Recirculation sponsor ballots