**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 BRC March and April 2016 Teleconference Minutes | |
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| Re: |  | |
| Abstract | This document provides TG3e BRC March and April 2016 Teleconference Minutes. | |
| Purpose | Meeting Minutes | |
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**TG3e BRC March and April 2016 Teleconference Minutes**

The TG3e BRC (Ballot Resolution Committee) teleconferences were held on 30 March, 13, 20, and 27, April 2016 (PDT).

**<<Teleconference #1>>**

• Wed, 30 March, 21:00 to 23:00 PDT

• Thu, 31 Mar 0-2EDT, 5-7CET, 13-15JST/KST

* Meeting was called to order at 21:06
* The patent policy was mentioned and no patent contributions were discussed.
* Status of the draft from Togashi (The technical editor)
  + Framemaker version of the draft 1.0 was prepared.
* Comment resolutions
  + Remaining comments are confirmed and started being resolved.
  + Some comments were reassigned and newly assigned to the BRC members.
* Remaining comments would be resolved in the following teleconferences.
* Recess at 23:00.

**<<Teleconference #2>>**

• Thur, 13 April, 21:00 to 23:00 PDT

• Thur, 14 April 0-2EDT, 5-7CET, 13-15JST/KST

* Meeting was called to order at 21:00 April 13 PDT.
  + The patent policy was mentioned and no patent contributions were discussed.
* Schedule
* Contributions:
  + Kondou and Akiyama, “Resolution on comment #83 and #116 for HRCP MAC”, (15-16-0333r01)
  + Hiraga
    - Proposed resolution to MIMO Array training feedback command in the MAC section　（15-16-0187r01)
      * Accepted　r01
    - Proposed resolution to MIMO Array training feedback command in the PHY section　(15-16-0188r01)
      * Accepted　r02
    - Proposed resolution to CID#133 (15-16-0332r00)
      * Accepted　r01
    - Proposed resolution for cid#9　(15-16-0326r00)
      * Lee mentioned that this primitive is internal to a DEV hence it is not required to be included in this specification. Also OOK has very few MCS so it sholud not be mandatory fot OOK.
      * It needs more discussion. This comment should be rejected.
* Discussion on nomenclature.
  + Togashi presented proposed change in nomenclature for CID 85, 86, 87
* Remaining comments would be resolved in the following teleconferences.
* Recess at 23:00 PDT.

**<<Teleconference #3>>**

* Wed, 20 Apr 21:00 to 21 Apr 00:00 PDT
* Thur, 21 Apr 0-3EST, 5-8CET, 13-16JST/KST
* Meeting was called to order at 21:53, 20 April (PDT).
* The patent policy was mentioned and no patent contributions were discussed.
* Schedule
  + Togashi is planning to start draft with Michelle this day.
* Comment resolutions:
  + Keitarou Kondou “Resolution for comment about relaxing regulation,” (15-16-0337r00)
    - Resolution to CID#46. Relax the clock accuracy to +/- 30e-6.
    - Resolution to CID#48. Relax the maximum input levels for mandatory MCSs to -30 dBm.
    - The proposed resolutions were accepted with some revisions which will be uploaded.
  + Keitarou Kondou “Resolution on comment #83 and #116 for HRCP MAC,”(15-16-0333r01)
    - Resolution to CID #83
      * CID #83 -> not changed from r00
    - Resolution to CID #116
      * CID #116 revised to add new table and correct based on latest baseline draft
    - The proposed resolutions were accepted with some revisions which will be uploaded.
  + Keitarou Kondou “Resolution for comments about capability,” (15-16-0338r00)
    - Resolution to CID #22, 82, 95, 96, 97, 98, 99, 100 and 101
    - Capability field description and figure revised.
    - The proposed resolutions were accepted with some revisions which will be uploaded.
  + Ken Hiraga, “Proposed resolution to MIMO CES, (15-16-0325r00)
    - Resolution to CID#7
      * Proposed MIMO CES for frequency domain channel estimation. Optionally MIMO CES for time domain channel estimation are proposed.
      * Two types of CES are optional.
      * Kondou proposed: MIMO information IEs in the beacon have 1 bit to indicate MIMO CE Type. Would be included in this resolution.
    - Accepted after change above would be included and the file would be uploaded as r01.
* Discussion CID#25 and #26
  + Continue in the reflector
* Rejecting remaining comment.
  + Some comments were unresolved. Estrada recommended rejecting them. Discuss and decide in reflector or the last teleconference.
* Recess at 24:00.

**<<Teleconference #4>>**

* Wed, 27 Apr, 21:00 to 23:00 PDT
* Thur, 28 Apr 0-2EST, 5-7CET, 13-15JST/KST
* Meeting was called to order at 21:05 (PDT).
* The patent policy was mentioned and no patent contributions were discussed.
* Resolve remaining comments
  + MIMO CES 15-16-0325r01 for CID#7. Revised as r02 online and approved as the resolution to this comment. r02 would be uploaded by Hiraga.
  + Any contribution for CID#26 is not done.
  + CID #27 is still tbd as well.
    - Tentattive resolution to this comment by Togashi and Toshimitsu.
  + CID #107 is withdrawn by the commenter.
  + Reject CID#9, #10, #27
  + Removed last sentence in subclause 4.5a.2.
    - The last sentence of the subclause, “It may allow connection from each type of DEV by transmitting the HRCP-SC mode beacon and the HRCP-OOK mode beacon alternately.” has been removed without any resolution to any comment. In the letter ballot, there is was comment for that.
    - Comment should be posted in the letter ballot and should be revised along with that comment.
    - Actions for Togashi: Restore the last sentence on page 23 of P802-15-3e-D01.pdf. It should not be deleted or modified in the recirc ballot draft.
  + All comments received in LB#114 were resolved.
* BRC motion to approve comment resolutions
  + “Move that 802.15.3e BRC approves the comment resolutions in DCN 15-16-0162-08-003e.”
  + Moved by Estrada, seconded by Togashi, approved with unanimous consent.
* BRC motion to approve the start of Letter Ballot Recirculation 1
  + “Move that 802.15.3e BRC approve the start of recirculation ballot of the revied draft which is th letter ballot draft edited in accordance with DCN 15-16-0162-08-003e.”
  + Moved by Estrada, seconded by Maekawa and Lee, approved by unanimous consent.
* Recess at 22:30.