IEEE P802.22  
Wireless RANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Minute of IEEE 802.22b Enhancements for Broadband Services and Monitoring Applications Task Group Teleconference-1 | | | | |
| Date: 2012-02-13 | | | | |
| Author(s): | | | | |
| Name | Company | Address | Phone | email |
| Xin Zhang | NICT | 20 Science Park Road, #01-09A/10 TeleTech Park, Singapore Science Park II | +65- 67711008 | Amy.xinzhang@ieee.org |

Abstract

This document presents the minute of IEEE 802.22b Enhancements for Broadband Services and Monitoring Applications Task Group teleconference-1 held on 8th Feb, 2012 9:00 pm EDT.

**IEEE 802.22b Task Group Teleconference-1 Minutes**

**Notice:** This document has been prepared to assist IEEE 802.22. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.

**Release:** The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE’s name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE’s sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that this contribution may be made public by IEEE 802.22.

**Patent Policy and Procedures:** The contributor is familiar with the IEEE 802 Patent Policy and Procedures

<[**http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf**](http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf)>, including the statement "IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of the standard." Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair Apurva Mody <[apurva.mody@ieee.org](mailto:apurva.mody@ieee.org)> as early as possible, in written or electronic form, if patented technology (or technology under patent application) might be incorporated into a draft standard being developed within the IEEE 802.22 Working Group. **If you have questions, contact the IEEE Patent Committee Administrator at <**[**patcom@ieee.org**](mailto:patcom@ieee.org)**>**.

**8th Feb, 0900-1030 PM EDT**

**Attendees:**

Antony Franklin (ETRI), Shigenobu Sasaki (Niigata University), Chang Woo Pyo (NICT), Zhang Xin (NICT), M. Azizur Rahman (NICT), Apurva Mody (BAE System), Mingtuo Zhou (NICT)

**Minutes:**

1. The meeting was called to order by Chang-woo Pyo.

2. Agenda document number: 22-12-0013-01-000b was presented by the Chair. No objection was heard, it was approved anonymously.

3. IEEE patent policy was read out by the Chair.

4. The agenda today was to continue the discussion on functional requirement document (22-12-0012-00-000b) uploaded on the mentor.

5. [Req01] a. First comment received was to explain MCS.

b. It was suggested to have at least 2 times of the current supported throughput by channel aggregation. Or instead of 2 times, 46 Mbps is specified.

c. It was pointed out briefly that, for whatever proposal, the proposer has to show how to meet the spectral mask.

6. [Req02] a. It was suggested to spell out what does low capability mean. One possible solution was to remove the example sentence, but it needs to decied on the agreeable feature first.

b. It was also pointed out that the last sentence emphasize on the low complexity.

c. It was suggested to change “should” to “shall”

d. The following clacification was suggested:

Low complexity CPE for sensing, coexistence, and metering.

High complexity CPE for monitoring, support Mesh, and everything else.

7. [Req03] a. It was suggested to combine [req02] and [req03] together, and this will be discussed further after classicifation of CPE is done.

8. [Req04] a. It was suggested to decide a big number of connection ID.

b. It was pointed out the need to elaborate on the meaning of support. For example, which level of support is defined for such big number of connection ID.

c. It was suggested to increase the number of 4 times of the current one. (4\*512=2048)

9. [Req05] a. At the beginning, it was suggested to support greater than two hops for high complexity CPE, and one hop for Low complexity CPE, no need to support mesh.

b. After several round of discussion, it was suggested to decide the number of hops after classification of CPE is done.

10. [Req06] a. It was pointed out that the need for peer-to-peer communication wasn’t so great. It may be combined with [req05]

11. [Req07] a. It was suggested to remove [req07], because if in any case, we can’t support current base standard, then we can extend the QoS method.

b. It was suggested to change the wording of [req07] to “This amendment should support QoS method in order to support monitoring application”

c. There was a suggestion to remove non-battery powered. But this change was not agreed by the group because the current QoS method will drain some power, so whether it is battery-powered or not plays some part.

12. [Req08-12] These requirements will be discussed in the next teleconference meeting. Process document will be discussed after functional requirement is done.

13. Next teleconference is changed from 29th Feb to 28th Feb 9am-1030am JST.

14. Teleconference was adjourned at 1030pm EDT.