IEEE P802.22  
Wireless RANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Minute of IEEE 802.22b Enhancements for Broadband Services and Monitoring Applications Task Group Teleconference-4 | | | | |
| Date: 2012-04-16 | | | | |
| 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-4 held on 10th April, 2012 9:00 pm EDT.

**IEEE 802.22b Task Group Teleconference-4 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)**>**.

**10th April, 0900-1030 PM EDT**

**Attendees:**

Antony Franklin (ETRI), Chang-Woo Pyo (NICT), Mingtuo Zhou (NICT), Jerry Kalke (CBS), Xin Zhang (NICT), Nancy Bravin (Bravin Consulting)

**Minutes:**

1. The meeting was called to order by Chang-woo Pyo at 9:00pm EDT.

2. Attendance was marked.

3. Agenda as contained in document: 22-12-0040-00-000b was reviewed by the Chair. No objection was heard, it was approved unanimously.

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

4. Prediscussion of Selection criterion for IEEE 802.22b amendment document 22-12-0036r01-000b was presented.

5. The following questions were raised during the presentation:

5.1 Ask: Will any change in the R&O change the selection criterion?

Ans: We do need to consider the regulatory issue. If there is any change in the R&O, we need to complied with it in the proposal. But this document defines the selection criterion for measuring the proposal. It is not our concern in this document to reflect any change in the R&O.

Ask: If you have any idea about the latest R&O, it is good to say it out and put it here.

Ans: There is new update in the latest R&O, but it is hard to compare the update with Ofcom.

5.2 Ask: In the base standard, we can support 512 CPE. Why is the support of H-CPE in 802.22b so low?

Ans: This is just an example. The main point is to cover over 2000 device in a network.

5.3 Ask: How is L-CPE connected to H-CPE, are they randomly distributed? or are 70 L-CPE bound to one H- CPE? There may be some confusion for L-CPE to choose which H-CPE to connect to. We have to specify which models are used and the range of L-CPE and H-CPE.

Ans: Aren’t the model and range of L-CPE and H-CPE accessed separately for each application (smart metering, disaster monitoring). This was broght up before.

Ans: What you refer to is the network topology based on the application.

Ask: For example, in a disaster ad hoc network, if everything is down, will the government allow you to use Satellite?

Ans: This is difference concept from resource management.

Finally, it was suggested that H-CPE should be randomly located.

5.4 Ask: TCP is not the best way to do the application.

Ans: Agree. The chair calls for volunteer to introduce TCP protocol.

It was commented that TCP is for high volume of data.

6. The chair would like to end the teleconference at 10 PM EST and continue the discussion on broadband use case in the next teleconference.