IEEE P802.22
Wireless RANs

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| Minutes of the teleconference on June 27, 2011 on regional area smart grid and critical infrastructure monitoring |
| Date: 2011-07-4 |
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Abstract

This document presents the minutes of the teleconference on June 27, 2011 on regional area smart grid and critical infrastructure monitoring.

**WG teleconference meeting minutes**

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**June 27, 9-10:30 PM ET**

**Attendees:**

Apurva Mody (BAE Systems), Winston Caldwell (Fox), Jerry Kalke (CBS), Gerald Chouinard (CRC), Anthony Franklin (ETRI), Sung Hyun Hwang (ETRI), Upkar Dhaliwal (Invisitrack), Shigenobu Sasaki (Niigata University), Chang Woo Pyo (NICT), Zhang Xin (NICT), Chunyi Song (NICT), M. Azizur Rahman (NICT)

**Minutes:**

1. Meeting call to order by Apurva Mody
2. Chang-Woo Pyo presented the use case document 802-11-73r0 titled “Usage Cases in 802.22 Smart Grid and Critical Infrastructure Monitoring”.
3. The group discussed on the feasibility of the use cases. The opinion was that the use cases presented are in line with the new study group to be formed. The main point to note is the topology in various use cases.
4. There was a discussion on the RF channel usage in various links. Such as, would the link from HC-CPE to LC-CPE use the same RF channel as BS-to LC-CPE? It is important because, if the same RF channel is used, the capacity of the main network will decrease. The discussion outcome was that it may or may not be the same RF channel. Right now it is not clear, and this can be studied further during the span of the study/task group.
5. There was a concern about supporting video by LC-CPE. However, there was also opinion that video may not need more than a few hundred Kbps. The option could be using low resolution video continuously or high resolution video for a short while.
6. There was also discussion on using LC-CPE in cattle. An alternate option could be using passive geolocation device in each cattle and the device reports cattle’s location to the CPE.
7. The group received intent for contribution in use case, such as rain forest (ittegal deforestration) monitoring etc .
8. July 6 teleconference is cancelled and July 11 teleconference would be mainly for discussing 15 SG4TV PAR.
9. Meeting adjourned by Apurva Mody