**IEEE P802.15**

**Wireless Personal Area Networks**

|  |  |
| --- | --- |
| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title |  |
| Date Submitted | [11 May, 2011] |
| Source | [][][Chicago, IL] | Voice: [+1.847.960.3715]Fax: [+1.630.524.9054]E-mail: [pat.kinney@ieee.org] |
| Re: | [802.15 WNG Meeting in Palm Springs] |
| Abstract | [IEEE 802.15 Steering Committee Minutes] |
| Purpose | [Official minutes of the Working Group Session] |
| Notice | This document has been prepared to assist the IEEE P802.15. 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 acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.15. |

**IEEE 802.15 Interim Meeting – Session #72**

**Hyatt Grand Champion, Palm Springs, CA**

**March 9- 12, 2011**

**Wednesday 11 May 2011**

**10:55** 802.15 WNG SC chaired by P Kinney brought to order noting that today’s meeting was a presentation by Wei Hong on 802.1x over 802.15.4 (15-11-400-00)

Call to Action:

* EAPoL over 802.15.4
* Specify link operation of Enforcement Point and Authenticator
* Specify EAPoL Tunnel over IP

Questions:

* Robert Moskowitz commented that 15-11-381 describes key management and other essential aspects of this call to action
	+ 802.1x would not work on all 802.15.4 networks
* Chin-Sean Sum: what needs to be done in 15.4?
	+ Sub network protocol in 802? Need to investigate this effort
	+ Why 1x instead of others? 1x is widely adopted and successful
* Ruben Salazar: need 3 different groups? We have 3 pieces that need to be completed and where they are done can be discussed
* Clint Chaplin: 802.11 had a liaison with 802.1x, so 802.15.4 should work with 802.1 if any changes are required.
* Robert Moskowitz: does not feel that 802.1x changes will be needed for the noted application
* Art Astrin: different levels of security needs would require scalability, international regulatory concerns need to be addressed
* Robert Moskowitz: need to count packets across the air , etc.
* Mike McInnis: one issue with WPA protocols requires a device to be associated before authentication, authenticate one-way devices?
* Ben Rolfe: good topics for Study Groups
* James Gilb: what is missing in 15.4 to support security? Is fragmentation necessary?
* Shimada: Certificate Authentication? Yes but outside this discussion

Next Steps:

* Decide on fragmentation? TG4k is discussing this now.
* Need a liaison with 802.1x
* Rest is IETF
* Form an interest group for 802.1x over 15.4 over 20 interested
* Wei Hong would chair this interest group 2 meting slots in San Francisco

Robert Moskowitz asked the effort to be rolled into the HIP group which already has 2 slots allocated at the San Francisco session. Wei Hong agreed that combing the two into one IG would be OK but asked for a total of four slots. The IG will be renamed Key Management Protocols (KMP) with co-chairs of Robert Moskowitz and Wei Hong.

**11:03** Meeting adjourned