**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title |  | |
| Date Submitted | [11 May, 2011] | |
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| Re: | [802.15 WNG Meeting in Palm Springs] | |
| Abstract | [IEEE 802.15 Steering Committee Minutes] | |
| Purpose | [Official minutes of the Working Group Session] | |
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**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