**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | **<IEEE802.15 SC minutes>** | |
| Date Submitted | 10 Nov 2016] | |
| Source | [Pat Kinney] [Kinney Consulting] [Lake Zurich, IL] | Voice: [+1.847.960.3715] Fax: [] E-mail: [pat.kinney@kinneyconsultingllc.com] |
| Re: | [802.15 Standing Committees Meetings in San Antonio, TX, Nov 2016] | |
| Abstract | [IEEE 802.15 Maintenance and WNG Standing Committee Minutes] | |
| Purpose | [Official minutes of the Standing Committee Session] | |
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**IEEE 802.15 Interim Meeting – Session #105**

**San Antonio, Texas**

**Nov 6-10, 2016**

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# SC Maintenance Minutes

## Thursday 10 Nov PM2

**16:00** SC Maintenance called to order by Chair, Pat Kinney, Kinney Consulting

Chair asked if there were any issues or changes required to existing standards, there were none.

Chair asked if there were any issues or changes required to the Operations Manual, there were none.

Chair asked for any of business. Question was asked as to when would be the next revision for 802.15.4. B Heile commented that the IEEE-SA is working with 802.11 to incorporate roll-ups of amendments into the standard when the amendment is approved, however this “rolled up” document would not be normative since the WG would need to approve it to go out for a letter ballot. Consensus was that 802.15 should also work with the IEEE-SA on this method. As to the next revision for 802.15.4, it was agreed that it should start July 2017.

**16:20** Upon no further discussion nor objection, the meeting was adjourned

# SC IETF Minutes

## Tuesday 8 Nov PM2

**Meeting Objectives / Session Focus - SC IETF**

* Tuesday 8 Nov, PM2: Status on IETF 6tisch, core, 6lo, lp-wan
* Adjourn

**Opening / Closing Report (DCN: 15-16-0761-01-0000)**

**Agenda for AM1 session:**

|  |
| --- |
| * Call meeting to order * Opening Report * Approve agenda (15-16-0758-00) * Agenda is approved with no objections * Review of upcoming IETF activities in 6tisch, core, 6lo, roll, lp-wan, t2trg * Discuss the 802.15 letter (15-16-0753-00) to ITU * Recess |

**Patent Policy and call for Essential Patents**

* Chair presents IEEE slides #1 to #4 of the IEEE patent and meeting conduct slides. Chair provides an opportunity for disclosure. None was heard.

**Approve agenda (15-16-0758-00)**

* No objections

**6tisch**

* draft-ietf-6tisch-6top-protocol
* draft-ietf-6tisch-6top-sf0
* draft-vucinic-6tisch-minimal-security
* draft-richardson-6tisch-dtsecurity-secure-join

**core**

* three sessions!
* coap over stream stransports
* protocol negotiation
* object security
* link bindings or simple CoAP Observe
* core interfaces (REST)
* bootstrap
* CoAP est (security options)
* multicast OSCoAP+CBOR Object Signing & Encryption
* delegated observe (cao-core)
* webrtcdc
* SenML
* SenML base time offset
* Yang CBOR
* core=sod
* core-CoMI network management interface (merge with CoCOL)
* core-redirect
* Yang LWM2m/IPSO
* t2t4g...lwm2m
* RFC 6690 update for organizational prefix

**6lo**

* nfc (near-field communications)
* bluetooth low-energy
* 6lo use cases
* RFC 6775 update
* 6lo Privacy Considerations
* Packet Expiration Time
* Optimized Fragmentation Header

**roll**

* useofrplinfo
* routing dispatch
* applicability-ami
* AODV RPL
* Root initiated routing state in RPL
* No-Path DAO Problem Statement

**detnet**

* use cases
* service model
* Data Plane
* Deterministic Networking Flow Information Mode

**lpwan**

* Gap analysis
* LoRaWAN
* SigFox
* NB-IoT
* <not yet> Wi-Sun <Bob Heile>
* overview
* Header Compression
* HC for CoAP
* Fragmentation Header
* RoHC applicability

**t2trg**

* WoT (Web of Things)
* Security Considerations
* RESTful design
* Media Types for Hy
* CoRAL
* CoMI/Yang interaction model for IoT

**Ace**

* Authorization using OAuth 2.0 (ACE)
  + An architecture for authorization in constrained environments
* CBOR Web Token (CWT)
  + Security for Low-Latency Group Communication
* OSCOAP profile of ACE
  + Ephemeral Diffie-Hellman Over COSE
* DTLS Profile for ACE
  + Lightweight Authenticated Time (LATe) Synchronization

**Liaison communications**

* Reduction of over-the-air header sizes
  + Better handled in IETF
* How can 802.15.4 (LECIM) and 802.15.9 (KMP) solve noted lpwan problems
  + moved to IG LPWAN
* Better header compressions

**Adjourned at 4:42pm**

# SC WNG meeting

## Wednesday 9 Nov AM2

**11:35** SC WNG called to order by Chair P Kinney, Kinney Consulting

There was one presentation:

**Long Range Optical Wireless Communication for Automotive applications (15-16-0793-01) from Yeong Min Jang**

* + C: long range – obstructions would break the link, going beyond 500m has distortion effects from air
  + Q: use cases are relevant, why jumping to OWC as the solution? Shouldn’t we look at all solutions?
* Chair asked Yeong Min Jang as to what action he desired from the WG as to his presentation; Yeong Min Jang replied that he wished to form an IG. Chair asked the attendees, via a show of hands, of those persons willing to participate in an IG focused on the use case noted in the presentation? There were about 7. An IG focused on the solutions to the stated use case will be started, Yeong Min Jang volunteered to chair the IG.

**12:13** meeting adjourned