IEEE P802.15

Wireless Personal Area Networks

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | Jan24 Meeting Minutes for Privacy | |
| Date Submitted | 18 January 2024 | |
| Source | Ann T Krieger | E-mail: AnnKrieger.dod@gmail.com |
| Re: | January Wireless Interim Session | |
| Abstract | Meeting minutes for the TG 4ac | |
| Purpose | Provide meeting minutes | |
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# IEEE 802.15 TG4ac - Privacy

## Tuesday 16 January 2024

1. **10:40am** The TG chair Tero Kivinen (self) called the meeting in order.
2. Displaying the opening report (doc # [*15-24-0048-00*](https://mentor.ieee.org/802.15/dcn/24/15-24-0048-00-04ac-january-opening-and-closing.pptx)):

* A call was made for essential patents. No one had anything to disclose.
* The agenda was approved
  + Q: short addresses, it is in the issue document.
* The minutes from the July Meeting (doc # [*15-23-0587-00*](https://mentor.ieee.org/802.15/dcn/23/15-23-0587-00-04ac-november-meeting-minutes-for-privacy.docx)) were approved, no objections

Agenda:

* Continue working on the “list of issues to be solved” (doc # [*15-23-0422-03*](https://mentor.ieee.org/802.15/dcn/23/15-23-0422-03-04ac-list-of-issues-to-be-solved.docx))
* The project task list (doc # [*15-23-0397-00*](https://mentor.ieee.org/802.15/dcn/23/15-23-0397-00-04ac-project-task-list-for-tg4ac.xlsx))
* The timeline was presented expecting the first version of the draft in Mar 2024, hoping for publication September 2025.

Brought up the new “list of issues to be solved” (doc# [*15-23-0422-04*](https://mentor.ieee.org/802.15/dcn/23/15-23-0422-04-04ac-list-of-issues-to-be-solved.docx)) - Discussion:

* Short Addresses – we need to find something between 16-bit and 64-bit. Probably need 48-bit addressing but the hardware doesn’t support it (32-bit is too little). Bridging 48-> 64 and 64->48 was shown to be able to be done. Need to make sure it is backward compatible.
  + How do we assure there are unique addresses?
  + What is a network? At least two devices!
  + Peer-to-peer devices are coordinators.
* Need something to identify the network (1.3) – most devices don’t have real-time clocks.
* Discussion about AES and hash functions.
* 15.4 are mostly Mesh Networks.

Work for this meeting is to talk with TG 802.15ab about their security/privacy issues in their draft.

**12:27 pm** This meeting was recessed.

**Thursday 18 January 2024**

**10:32am** TG chair Tero Kivinen (self) called the meeting to order.

On Tuesday, we worked on the issues list and we update to document #5 (doc# [*15-23-0422-05*](https://mentor.ieee.org/802.15/dcn/23/15-23-0422-05-04ac-list-of-issues-to-be-solved.docx)), we continued to make updates today:

* Additions to Short addresses
  + .11 only changes address on association (not reassociation)
* Updated section 1.2.3 - Update security context.
* 1.5 – sequence numbers can be suppressed.
* Added 2.1.1 – Sending list of Addresses
* 2.2.4 –updated some information.
* Added 2.2.5 Get List of Recipient Addresses

Discussed how 802.15.4ab performed their generation of addresses. (doc #[*15-24-0050-00*](https://mentor.ieee.org/802.15/dcn/24/15-24-0050-00-04ab-background-for-the-newframe-format-discussion.pptx))

Worked on the closing report (doc # [*15-24-0048-01*](https://mentor.ieee.org/802.15/dcn/24/15-24-0048-01-04ac-january-opening-and-closing.pptx)):

* Will meet in March for 2 slots.
* Coordinate that we don’t overlap with TG4ab, 802.11 TGbi
  + If not, then have at least 1 meeting not overlapped with TG4ab.
* Plan on working on draft.

**11:38am** Meeting adjourned.