IEEE P802.11  
Wireless LANs

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| TGbi Teleconference Minutes 13 October 2022 | | | | |
| Date: 2022-10-18 | | | | |
| Author(s): | | | | |
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Abstract

This document contains the minutes for the IEEE 802.11bi task group meeting that took place on

13 October 2022 at 09:00 ET.

Note: Highlighted text are action items.

Q – proceeds a question

A - proceeds an answer

C - proceeds a comment

Yellow highlight - action point

**Chair: Carol Ansley, Cox Communications**

**Secretary: Amelia Andersdotter, Comcast**

**Vice-chairs: Jerome Henry, Cisco; Stephen McCann, Huawei**

**Technical editor: Po-Kai Huang, Intel**

Chair calls meeting to order at 09:04 ET.

Agenda slide deck: 11-22-1762r1:

1. Reminder to do attendance
2. Review of policies and procedures.
   1. IEEE individual process slides were presented.
3. The chair mentioned the call for essential patents
   1. No one responded to the call for essential patents
4. The chair covered the IEEE copyright and participation rules.
   1. No questions

1. **Discussion of agenda 11-22-1762r1 (slide #16)**
   1. Adoption of agenda 11-22-1762r1 slide #16 by unanimous consent (19 participants).
2. **Administrative**
   1. There are three more teleconferences scheduled ahead of the November 2022 plenary (20 Oct, 27 Oct, 3 Nov). Two of these teleconference (20 Oct, 3 Nov) are scheduled for two hours.
3. **Presentations**  
   1. **Pre-Association Management Frame Protection, 11-22-1666r1, Okan Mutgan (Nokia)**The presentation suggests that an AP should have a way of establishing the identity of a non-AP STA before association.   
        
      **Discussion:  
        
      Q**: We are already adding the reverse requirement of this, namely that non-AP STA should identify APs. But if you're already authenticated before association - why do we need this?   
      **A:** These frames that we want to add will verify the identity of the non-AP STA. They should be any frames - authentication frames, probe requests, or whatever. The non-AP STA should be legit.  
      **C:** I don't understand why a probe needs to have a verified identity.  
      **Q:** I do not understand how this feature improves privacy?  
      **A:** This is similar to requirement 53. With randomized MAC addresses we no longer have a way of verifying the identity and this plugs that gap.  
      **C:** We can have private PASN identifiers for SAE and that already satisfies requirements 53 and 54. I think this helps here too.  
      **Chair:** We can hold a strawpoll now on whether this requirement is needed in addition to the requirements we've already catalogued. But formally we have already progressed from the requirements specification phase.  
      **A:** SAE password identifiers covers partially the problem we're trying to target. We want a broader range of frames covered. A strawpoll would be good at this stage to know if we can change this.  
        
      **Strawpoll:** 11bi hall define a mechanism that will allow an AP to verify the identity of a known non-AP STA before association (without exposing its identity).  
        
      Y: 4  
      N: 10  
      A: 4  
      No answer: 1
   2. **Auth-Assoc Privacy Protection, 11-22-1764r0, Mike Montemurro (Huawei)**The presentation covers establishing temporary (quickly disposable) keys and leveraging existing security mechanisms to enable 11bi functionality on top of existing BSS.  
        
      **Discussion:**  
        
      **C:** On a high level this goes in the right direction.  
      **C:** We would have to do this in action frames, I suppose? We could expand this to cover more than just association?  
      A: Yes, the illustration in the presentation is just for showing a message flow. We can also discuss alternative ways of creating this encrypted channel.  
        
      Large agreement to continue working on this.
4. **AoB**
   1. Call for presentations. No immediate response. Chair announces that call will be canceled unless notice is given by Tuesday 18 October 2022.
   2. No other business.
5. Chair adjourned the meeting at 09:54 ET.

**Attendance**

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| **Name** | **Affiliation** |
| Andersdotter, Amelia | Sky Group/Comcast |
| Ansley, Carol | Cox Communications Inc. |
| Bahn, Christy | IEEE STAFF |
| baron, stephane | Canon Research Centre France |
| Halasz, David | Morse Micro |
| Harkins, Daniel | Hewlett Packard Enterprise (Aruba Networks) |
| Hawkes, Philip | Qualcomm Incorporated |
| Ho, Duncan | Qualcomm Incorporated |
| Huang, Po-Kai | Intel Corporation |
| Kain, Carl | USDOT; Noblis, Inc |
| Kneckt, Jarkko | Apple, Inc. |
| Luo, Chaoming | Beijing OPPO telecommunications corp., ltd. |
| McCann, Stephen | Huawei Technologies Co., Ltd |
| Montemurro, Michael | Huawei Technologies Co., Ltd |
| Mutgan, Okan | Nokia |
| Nezou, Patrice | Canon Research Centre France |
| Sam, Harvey | Broadcom Corporation |
| Sevin, Julien | Canon Research Centre France |
| Smith, Luther | Cable Television Laboratories Inc. (CableLabs) |