**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | Licensed Narrowband Amendment TG16t November 2021 Plenary meeting notes | |
| Date Submitted | [The date the document is contributed, in the format “21 May, 1999”] | |
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| Re: | Meeting notes for November session | |
| Abstract | TG16t November 2021 Plenary meeting notes | |
| Purpose | Notes captured during the November plenary meeting | |
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# Licensed Narrowband Amendment TG16t November 2021 Plenary Meeting notes

Meeting called to order Tuesday, November 9, 2021

16t Task Group PM2 Tuesday

* Called to order at 15:13 ET
* Chair presents 15-21-0621-00
* Agenda approved by unanimous consent
* Chair gives registration reminder
* Chair presents the IEEE and 802 policy slides
  + Call for essential patents made, no responses
* Actions from September
* Cyber Security section in SDD (pending)
* Clean-up and clarification for SDD figures (pending)
* Contributions for this week
  + Document 15-21-0547-00
* Presentation Document 15-21-0547-00 Additional to the SRD
  + Derived from the Rail use case.
  + Noted that document was in response to request from the group and submitted in advance of the meeting for review
    - Discussion on fitting this into the 802.16 architecture
    - Requirements affect the control signaling
    - Considerable complexity
    - Is there a simple way to map this into the existing control state signaling?
    - Adds an additional network topology
  + Discussion of driving performance requirements
  + Consensus is that the requirements can be aligned with 802.16 topologies and capabilities already in the standard
  + Contributors will continue to develop the contribution based on group input
* Use case document 15-21-0213-13
  + brief discussion
  + May need update for the rail use case based on requirements discussion
  + Recess at 16:20 ET

Meeting called to order at 13.10 PM EST Tuesday 16th of November.

Chair called for WEBEX attendees to announce themselves and affiliation

* Everyone introduced themselves and their affiliation
* Thomas Almholt was elected to a secretary for this meeting

Reviewing contributions from previous meeting.

* document viewed and edited during the call today IEEE802.15-21-0562r2
* document 547-R0 was provided at the last meeting
* document 15.21.0547.01-016t was updated

Is the P-P mode a priority for this TG?

* a discussion about this feature being mandatory / optional
* recommended to adopt features and capabilities already available 802.16.
* Discussion about "how do we accomplish peer-to-peer requirements"
  + direct Peer-to-peer with infrastructure
  + need to identify a method of sharing the medium
  + discussion of benefits of using frequency allocation or time allocation
  + discussion of allowing devices switching mode of operation  
    this would involve dynamic transition from remove to base
    - it is believed that CMSA is more efficient, considdering 20-30 radios needing to co-exist
  + discussion about peer-to-peer is appropriate for inclusion 802.16t and should be handled in a seperate standard
    - how would that enable a transition between modes of operation?
    - would this impact quality of service?
    - is the technical fit
  + way forward?
    - focus on the capabilities of 802.16-2017
    - adopt the SDD description of private case of PtP
    - maintain the 802.16 air interface, MAC behavior
      * Avoids defining a new MACs

**Everyone of the call 2021-11-16 agrees that is sufficient P-P capability.**

It is recommended to defer the P-P MAC definition to a subsequent amendment

* discussion will be planned during the december meeting.

SDR status

* this is complete

SDD status

* this was thought to be complete and posted on October 13th, 2021, however there are some open actions from the October meeting.
* during the October meeting actions were taken to update some figures of the document
* these actions are still open, please refer to the October meeting notes for details
  + Menashe will make a contribution on how P-P mode would work and upload to the r8 revision

Plan for December teleconference

* Conclude P-P discussion from today’s meeting
* Finalize and approve the SDD
* Initiate draft development, call for contributions to draft

Closing remarks

* any other business
* review of actions

Adjourn

Meeting was adjourned at 14.12EST

Attendees for Meeting on November 9, 2021

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Tim Godfrey (EPRI) 
Host, me, internal 
[V] Kai Lennert Bober Fraunhofer HHI 
Bivesh Paudyal 
Claudio da Silva, Meta 
Daoud Serang CML Microcircuits 
Don Sturek Itron 
Eren Sasoglu 
Frank Leong NXP 
Frederic Nabki - SPARK 
Harry Bims 
Joe Polland 
Juha Juntunen [Meteorcomm] 
Kristian Granhaug [Novelda] 
Nathan Clanney [Siemens Mobility, Inc.] 
Pooria Pakrooh Qualcomm 
Raphael Guimond 
Royce Connerley [Union Pacific Railroad] 
Stuart Kerry 
Tero Kivinen 

Attendees for Meeting on November 16, 2021

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Participants (18) 
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Tim Godfrey (EPm 
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[V] Joerg Robert, TU IImenau/Fram 
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Edward Au, Huawei 
Friedbert Berens, FBConsulting Sarl 
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