IEEE P802.11  
Wireless LANs

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| IEEE 802.11 Task Group AZ  September 2015 Bangkok Meeting Minutes | | | | |
| Date: 2015-09-19 | | | | |
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Abstract

Task Group AZ meeting minutes from the IEEE 802.11 Bangkok session, September 14-18, 2015.

**IEEE 802.11 Task Group AZ**

**September 2015 Bangkok Interim**

**September 14-18, 2015**

**Tuesday, September 15, 2015, PM2 session (30 attendees@16:00-18:00 )**

1. The meeting was called to order at 16:00 Bangkok local time by Jonathan Segev (Intel Corporation), the chair pro-tem for Task Group AZ.
2. Agenda Doc. IEEE 802.11-15/1003r2
3. Chair pro-tem reviewed the IEEE-SA Patency Policy, additional guidelines about IEEE-SA meeting and logistics
   1. Chair pro-tem asked if anyone has any questions about the IEEE-SA patent policy, logistics or reminders. No one spoke.
   2. Chair pro-tem called for any potentially essential patent, no one stepped up.
   3. Chair pro-tem reminded all to record their attendance.
4. Chair pro-tem reviewed the task group meeting time slots and agenda items for this session and the week.
   1. Alan Zhu requested to add one contribution 802.11-15/907r3 UAV usage case to the agenda of this week
   2. The agenda of the week and this session is approved by unanimous consent.
5. Approve of the meeting minutes of July Hawaii Plenary meeting 802.11-15/970r1 is deferred to the next session.
6. Brian Hart (Cisco systems) presented 802.11az PAR changes
7. Closing the nominees for TG chair and nominees presentation
   1. Jonathan Segev (Intel Corporation) was nominated as the TG chair candidate.
   2. No further nominees showed up.
8. Brain Hart (Cisco systems) presented the NGP Use Case Template (802.11-15/0388r1)
   1. It was suggested to add AOA in the spectrum management use case. Other attributes may be needed. Discussion on the necessity of attribute of AOA.
   2. **Motion (#1) to approve document 802.11-15/0338r1 as TG working draft baseline for the TG use case document**

**Moved by Brian Hart (Cisco systems), Seconded by Ganesh Venkatesan (Intel Corporation)**

**Passed by unanimous consent.**

1. Edward Au (Marvell) presented TGaz Draft Amendment Development process (802.11-15/1154r0).

Discussions:

C: Using evaluation methodology is a proven process taken by other TGs.

C: It’s possible to combine functional requirement document and usage model document.

R: many of the documents can be combined and still make sense, the real question is whether the group is interested in putting the time to develop requirements and relevant content, or is it such that the content is clear enough without the need for the time overhead and effort associated with these.

Straw Poll:

For the development of TGaz amendment we prefer the following documents to be used:

D1: Usage model, D2: Functional requirement, D3: Specification framework, D4: Channel model?

For D1: Yes 23, No 0, Abs 0; For D2: Yes 21, No 0, Abs 0; For D3: Yes 21, No 0, Abs 3;

For D4: Yes 10, No 1, Abs 11

**Motion (#2) to approve TGaz will use at least the following documents to develop the amendment text: usage model/Use Case document, Functional Requirement, Specification Framework document**

**Moved by Edward Au (Marvell), Seconded by Bill Carney (Sony)**

**Passes with unanimous consent**

1. Kare Agardh (Sony) presented additional use case (802.11-15/1061r0).

Straw poll:

we support the addition of use case depicted by slide 3 in this submission 11-15/1061r0 to the use case working draft document.

Use case “1. Positioning for Medical Applications”

Yes 21, No 0, Abs 3

Straw poll:

we support the addition of use case depicted by slide 4 in this submission 11- 15/1061r0 to the use case working draft document.

Use case “2. Indoor Geotagging”

Yes 10, No 0, Abs 1

Straw Poll:

we support the addition of use case depicted by slide 5 in this submission 11- 15/1061r0 to the use case working draft document.

Use case “3. Positioning for Video Cameras”

Yes 17, No 0, Abs 7

**Motion (#3) to approve to adopt the use cases depicted by slide 3, 4, 5 in this submission 11-15/1061r0 into the TG use case document 11-15/338.**

**Moved by Kare Agardh (Sony), Seconded by Edward Au (Marvell)**

**Passes with Yes 15, No 0 and Abstain 2**

1. Meeting recessed at 18:00 Bangkok local time and will be resumed on Wednesday AM1.

**Wednesday, September 16, 2015, AM1 session (30 attendees@08:00-10:00)**

1. The meeting was called to order at 08:00 Bangkok local time by Jonathan Segev (Intel Corporation), the chair pro-tem for Task Group AZ.
2. Agenda Doc. IEEE 802.11-15/1003r3
3. Chair pro-tem reviewed the IEEE-SA Patency Policy, additional guidelines about IEEE-SA meeting and logistics
   1. Chair pro-tem asked if anyone has any questions about the IEEE-SA patent policy, logistics or reminders. No one spoke.
   2. Chair pro-tem called for any potentially essential patent, no one stepped up.
   3. Chair pro-tem reminded all to record their attendance.
4. Chair pro-tem reviewed the task group meeting time slots and agenda items for the week.
   1. Adding the approval of the Hawaii meeting minutes in the agenda of this session.
   2. Agenda for this session is approved by unanimous consent
5. 802.11WG chair (Adrian Stephens) conducted 802.11 TGaz chair election procedure.

**Motion (#4)**

**To approve Jonathan Segev (Intel Corporation) as TGaz chair.**

**Moved by Peter Ecclesine (Cisco systems), Seconded by Rich Kennedy (MediaTek)**

**Passes with Yes 15, No 0 and Abs 0**

**Motion (#5) to approve document 11-15/970r1 as SG meeting minutes for the Waikoloa meeting.**

**Moved by Peter Ecclesine (Cisco systems) , Seconded by Rich Kennedy (MediaTek)**

**Passes with Yes 15, No 0 and Abstain 0**

1. Jonathan Segev (Intel Corporation) presented liaison from ATIS standard on emergency location (11-15/0992).

Discussion:

C: In the proposed architecture the WLAN presumably extends to AP STA only and not the non AP STA which is included in the UE. This is different than the 802.11 standard view.

C: The document does not include UE definition, my understanding is that other elements such as mobile OS, cellular baseband and protocol stack, GNSS components are all part of that UE.

C: 802.11 location support is already part of 802.11-2012 (11v, 11k) further complemented by REVmc FTM.

C: E911 services are both network and device centric usages, the response should indicate whether both are supported in the relevant 802.11 specifications.

C: WLAN talking to UE could be an issue to support the architecture. It is recommended to present WLAN location architecture to ATIS.

TGaz worked on the response to ATIS ELOC TF.

**Motion (#6)**

**To approve document “11-15/1172r0-00-Response to ATIS ELOC liaison communication.docx” as the IEEE 802.11 response to ATIS ELOC TF request and grant the 802.11 chair editorial license.**

**Moved by Ganesh Venkatesan (Intel corporation) , Seconded by Peter Ecclesine (Cisco systems)**

**Passes with unanimous consent**

1. Meeting recessed at 9:48am Bangkok local time and will be resumed on Thursday AM2.

**Thursday, Sepetember 17, 2015, AM2 Session (46 attendees@10:00-12:00)**

1. The meeting was called to order at 10:00 Bangkok local time by Jonathan Segev (Intel Corporation), the chair for Task Group AZ.
2. Agenda Doc. IEEE 802.11-15/1003r3
3. Chair reviewed the IEEE-SA Patency Policy, additional guidelines about IEEE-SA meeting and logistics
   1. Chair asked if anyone has any questions about the IEEE-SA patent policy, logistics or reminders. No claims.
   2. Chair pro-tem called for any potentially essential patent, no one stepped up.
   3. Chair reminded all to record their attendance.
4. Chair reviewed the task group meeting time slots and agenda items for the week.
   1. Agenda for this session is approved by unanimous consent
5. Xun Yang (Huawei) presented underground location service use case 11-15/1159r1.
   1. It is commented that WiFi might not be a correct technology to deal with mining environment. Reference point should be required to decide the relative location.
6. Alan Zhu (Huawei) presented UAV use case 11-15/0907r3.
   1. Discussions on the accuracy of the angle if it is needed to be that high as specified in the submission. Author change the accuracy to TBD for later decision.

**Motion (#7)**

**Instruct the use case document editor to add use cases depicted in submission 11-15/907r4 to the use case working draft document.**

**Moved by Alan Zhu (Huawei) , Seconded by Brian Hart (Cisco systems)**

**Passes with unanimous consent.**

1. Discussions on the development of the amendment.
   1. Discussion on the Timeline

**Motion (#8)**

**Approve the timeline depicted by slide 37 of 11-15/1003r5 as TG timeline for the project development**

**Moved by Peter Ecclesine (Cisco systems), Seconded by Praveen Dua (Qualcomm)**

**Passes with unanimous consent**

1. Discussions of the goals for the November meeting.
   1. Initiating the functional requirement document was added to the November plan.
2. Discussion on the teleconference schedule : 7th 10:00 ET for 1 hr –Do we need any more calls?
   1. Straw poll: to agree the above teleconference schedule.
      1. Yes 9, No 1 and Abs 1

**Motion (#9)**

**Approve the conference call schedule depicted above the above teleconference schedule.**

**Moved by Liang, Seconded by Peter Ecclesine (Cisco systems)**

**Failed with Yes 2, No 2 and Abs 13**

No telecon planned till the next face to face meeting, in case a telecon needed the chair will set one with 10 day notice.

1. Xun Yang (Huawei) presented modification of underground usage case document (11-15/1159r2).

Straw poll: do you agree to add the following use cases to the 802.11az use case working draft?

Use case “Location services for underground mining ” and “pipe/vault robot positioning”

Yes 12, No 0 and Abs 10

**Motion (#10) to approve to instruct the use case document editor to add use cases depicted by slides 3 to 5 of submission 11-15/1159r2 to the use case working draft document.**

**Moved by Xun Yang (Huawei), Seconded by Brian Hart (Cisco systems)**

**Passes with Yes 9, No 0 and Abs 6.**

1. Task Group Bangkok meeting adjourned at 12:00 Bangkok local time.