IEEE P802.11
Wireless LANs

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| 802.11 TGah Teleconference September 9th, 2014 Minutes |
| Date: 2014-09-12 |
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Abstract

This document contains the meeting minutes from the 802.11 TGah teleconference on September 9th, 2014.

**September 9th, 2014 (Tuesday) PM 8:00 – 10:00, ET**

**Notes – Tuesday, September 9th 2014;**

1. **Yongho Seok (representing Self) is the chair of TGah and was running this session. Chair called the meeting to order at 8:01 PM, ET.**
2. **Chair reviewed the proposed agenda of the teleconference, which was circulated through the TGah email reflector.** The agenda contained
	1. — Proposed agenda —
	2. - Call for secretary
	3. - IPR and other relevant IEEE policies
	4. - Attendance Reminder (send an email to leizd@i2r.a-star.edu.sg and/or yongho.seok@gmail.com)
	5. - Review the current status of LB203 comment resolution (11-14/796r7)
	6. - Submissions to address comments received on Draft 2.0
		1. - lb203-bidirectional-txop-comment-resolution (11-14/1094r0, Yongho)
			1. - Note: The document may not be ready for this PhC
		2. - lb203-mac-comment-resolution-part2 (11-14/1095r0, Yongho)
			1. - Note The document may not be ready for this PhC
		3. -LB203 MAC resolution subclause 10.3.8 and 10.3.5.11 (11-14/1115r0, Zander)
		4. -LB203 MAC resolution sub-clause 8.4.1.x (11-14/1114r0, Zander)
		5. -LB203 MAC resolution subclauses-8.4.2.170r-8.6.24.5-9.21.5.8-9.7.6.5.4a-9.17-9.43 (11-14/1113r0, Zander)
		6. -LB203 MAC resolution subclauses 8.4.2.1-8.4.2.28-10.5-10.48 (11-14/1112r0, Zander)
		7. -LB203 MAC resolution sub-clause 9.7.6.6 (11-14/1111r0, Zander)
		8. -LB203 MAC resolution sub-clause 8.4.2.6 (11-14/1110r0, Zander)
		9. -LB203-MAC-Resolution-8.4.2.170j (11-14/1088r0, Alfred)
		10. -LB203-MAC-Resolution-Misc\_part 2 (11-14/1089r0, Alfred)
		11. -LB203-MAC-Resolution-Misc\_part 4 (11-14/1090r0, Alfred)
		12. -LB203 comment resolution for sub-clause 8.9.1.7 (11-14/1096r0, Sun Bo)
		13. -LB203 comment resolution for sub-clause 24.4 9 (11-14/1097r0, Sun Bo)
		14. -LB 200 Comment Resolution for Clause 8.8.5.4 (11-14/1135r0, Chitto)
		15. -LB 200 Comment Resolution for Clause 9.42a.5 (11-14/1134r0, Chitto)
		16. -lb-203-comment-resolution-for-8\_4\_2\_170a-and-9\_21\_5\_4 (11-14/1105r0, Yuan)
		17. -TBC
	7. Chair went through the agenda.
		1. Chair indicated that if not all documents were finished during this call, all those remaining will be put on agenda of F2F.
		2. There were no other submissions.
3. **Call for Secretary**
	1. Li Chia volunteered to be the secretary for this session as Zander was unavailable.
4. **Administrative items**
	1. Chair reviewed the administrative items and presented the links for accessing the related documents.
	2. Chair reviewed the patent policy and meeting guideline.
	3. Chair presented the Call for Potentially Essential Patents slide. Chair asked: “Are there any patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of that standard?” Chair asked: “Does anybody want to speak up now?” **None were heard**.
	4. Chair reviewed other guide lines of the IEEE WG meetings.
5. **Attendance Reminder**
	1. Chair reminded members who wanted their attendance recorded to send an email to choolc@i2r.a-star.edu.sg and/or yongho.seok@gmail.com.
6. **Review the current status of LB203 comment resolution (11-14/796r5)**
	1. Chair noted that the status of comments resolution:
		1. All assignees were to submit resolutions by Sept 7.
		2. Chair received a number of submissions, had not completed list of CIDs yet, but almost all unassigned CIDs can be covered.
		3. Will send out spreadsheet on Saturday, any unassigned CIDs will be re-assigned to appropriate topics and members
		4. Chair asked members to please send comment resolution documents to the server, Chair will update the database.
			1. Alfred: Any deadline for submission? Chair: To upload before 14 September end of day CAD time. Any objections? There were no objections. Alfred: OK. Chair: Will update database and spreadsheet by end of day 13 September.
7. **Submissions to address comments received on Draft 2.0**
	1. **11-14/1115r0, LB203 MAC resolution subclause 10.3.8 and 10.3.5.11 (Zander Lei (Insitute for Infocomm Research))**
		1. This submission proposes resolution to comments in D2.0 subclauses 10.3.5.11 and 10.3.8. There are 13 CIDs addressed: 3058, 3059, 3909, 3188, 3189, 3190, 3191, 3192, 3193, 3194, 4013, 3195, 4035.
		2. Changes are (referring to D2.1):
			1. For CIDs 3909, 3188, 3189, to modify subclause 10.3.5.11 (Service type indication during association);
			2. For CIDs 3058, 3190, to modify subclause 10.3.8 (Authentication Control);
			3. For CIDs 4013, 3191, 3192, 3193, 3194, to modify the first 4 paragraphs of the subclause 10.3.8.1 (Authentication Control);
			4. For CID 4035, to insert several MIB details into Annex C (C.3).
		3. Discussions:
			1. Alfred: For CID 4013, couldn’t find the changes. Zander: Made the change, did not combine all 3 paragraphs. Alfred: CID 4013 will refer to changes in all 3 paragraphs.
			2. Alfred made a comment regarding CID 3195, Zander: After a check with Minyoung, found that it can be changed. Alfred:- MIB values don't change throughout BSS operation - no proposed change. Zander: If it is changeable, no need to change. Alfred: But they are not changeable according to Adrian Stephens. Alfred: Need to find some other way of signalling. Yongho: For CID 3195 is it accepted or revised? Alfred: Should be rejected. Zander: OK to update. Alfred: Need to clarify AP setting of S1G capabilities element.
			3. Yongho: For CID 4035 new MIB variables defined, need to mention how to use them, that is missing. Zander: The sentences should appear at 10.3.8.2 or elsewhere? Yongho: Should be mentioned in normative text, otherwise MIB variable is meaningless, all MIB variables used in CL 9,10,11. Alfred: Should we add in Cl 6? Yongho: This document defined. Alfred: We have not defined any MIB variables in any subclause. Yongho: These defined MIB variables not in protocol descriptions. Alfred: An example is in 10.3.8.2 need to add in MIB variables. Zander: To insert some sentences at start of subclause or elsewhere? Yognho: -Can Zander update? Zander: OK.
			4. Yongho: For CID 3058, the problem of normative and informative is still mixed together in 1 paragraph. For example, the resolution for CIDs 3058,3190. Alfred: We should change "may" to "can". Zander: OK.
			5. Alfred: dot11S1GCACDeferral - SYNTAX should be TruthValue. Yongho agrees, Zander will check.
			6. Yongho: For CID 3192 authentication control is for support of STA, there is no normative , behaviour, suggested change is not necessary in protocol behaviour. Alfred: The bit is needed. Yongho: AP decides. Alfred: STA decides whether to follow authentication control, Zander's wording is correct.
			7. Mitsuru: For CID 3058, 2nd paragraph of 10.3.8.1 should also be changed; in resolution column, document number not specified. Zander: Ok will update these.
			8. There were no other comments.
	2. **11-14/1114r0, LB203 MAC resolution sub-clause 8.4.1.x (Zander Lei (Insitute for Infocomm Research))**
		1. This submission proposes resolution to comments in subclauses 8.4.1.6, 8.4.1.15a, 8.4.1.49b, 8.4.1.50, 8.4.1.56 and 8.4.1.58, regarding the 10 CIDs 3710, 3243, 3245, 3246, 3247, 3989, 3248, 3249, 3639, and 3972.
		2. Changes are:
			1. For CID 3249, to replace “Reserved” under B3 with “Response Requested” in Figure 8-118a3—TWT Information field format of subclause 8.4.1.57c (TWT Information field) of D2.1;
			2. For CID 3639, to replace “Reserved” under B3 with “Response Requested” in Figure 8-118a3—TWT Information field format of subclause 8.4.1.57c (TWT Information field) of D2.1;
			3. For CID 3243, to insert text and table after Figure 8-77a—Originator Parameter field in subclause 8.4.1.15a (Originator Parameter field) of TGah D2.1;
			4. For CID 3245 to modify the first paragraph in subclause 8.4.1.48.1 (VHT Compressed Beamforming Report field in S1G Band) of TGah D2.1;
			5. For CIDs3246, 3247, to modify the 1st and 2nd paragraphs of D2.1 subclause 8.4.1.52 (Operating Mode field);
			6. For CID 3248, to modify the second row of Table 8-84a1—Subfields of the Sync Control field in subclause 8.4.1.57a Sync Control field of TGah D2.1.
		3. Discussions:
			1. Alfred: Please update the xxx in some parts of resolutions.
			2. Yongho: For CID 3248, the same comment was decided last week. Alfred: Should add "after expiration of a wake up timer" for TimeSlot Protection Request subfield definition in Table 8-84a1. Zander: OK will add it.
			3. There were no other comments.
	3. **11-14/1113r0, LB203 MAC resolution subclauses-8.4.2.170r-8.6.24.5-9.21.5.8-9.7.6.5.4a-9.17-9.43 (Zander Lei (Insitute for Infocomm Research))**
		1. This submission proposes resolution to comments in D2.0 subclauses 8.4.2.170r, 8.6.24.5, 9.21.5.8, 9.7.6.5.4a, 9.17, and 9.43. There are 7 CIDs: 3273, 3290, 3786, 3129, 3331, 3131 and 3784.
		2. Changes are:
			1. For CID 3273, to change the last paragraph in subclause 8.4.2.170s AID Announcement element) of TGah D2.1;
			2. For CID 3290, to change the 1st paragraph in subclause 8.6.23a.5(STA Information Announcement frame format) of TGah D2.1;
			3. For CID 3129, to change the 6th paragraph in subclause 9.18 (Short GI operation) of TGah D2.1;
			4. For CID 3331, 3784, to change the paragraph starting at Line 7 of Page 267 of TGah D2.1.
		3. Discussions:
			1. Alfred: Please update the xxx in some parts of resolutions. Zander: OK. Yongho: For CID 3290, for proposed res (p3 bottom), behaviour should be used for STAs, please check P338L12, where STAs can change its AID to peer STAs. Zander: OK thanks.
			2. There were no other comments.
	4. **11-14/1112r0, LB203 MAC resolution subclauses 8.4.2.1-8.4.2.28-10.5-10.48 (Zander Lei (Insitute for Infocomm Research))**
		1. This submission proposes resolution to comments in D2.0 in subclauses 8.4.2.1, 8.4.2.28, 10.5, and 10.48, addressing the 4 CIDs 3005, 3035, 3162, 3159.
		2. Changes are:
			1. To replace “Sensor type STA” with “Sensor STA” throughout the Draft.
			2. For CID 3005, to modify Table 8-85 (Element IDs) in subclause 8.4.2.1 (General) of TGah D2.1;
			3. For CID 3159, to modify subclause 10.44d (Sensor-only BSS) of TGah D2.1.
				1. Zander: Will overwrite the approved resolution to CID 3509.
			4. A title change to 10.44c7 S1G BSS type and STA type;
			5. For CID 3162, to modify subclause 10.5.2 (Block ack operation) of TGah D2.1:
				1. At 10.5.2.2 Procedure at the originator,
				2. At 10.5.2.3 Procedure at the recipient;
		3. Discussions:
			1. Alfred: Please update the xxx in resolution. Zander: OK, thanks.
		4. There were no other comments.
	5. Zander noted that the next 2 documents 11-14/1111r0 and 11-14/1110r0, were not ready,he will upload them later
		1. Chair: Would you like to defer to F2F? Zander: OK.
	6. **11-14/1088r0, LB203-MAC-Resolution-8.4.2.170j (Alfred Asterjadhi (Qualcomm))**
		1. This submission proposes resolutions for comments in clause 8.4.2.170j of TGah Draft 2.0 with the CIDs 3473, 3574, 3912, 3934, 4140, 4176, 4191 (7 CIDs).
		2. Changes are:
			1. For CID 3473, to replace “S1G Compressed Beamforming frame” with “VHT Compressed Beamforming frame carried in an S1G PPDU”;
			2. For CIDs 3574, 3912, 4140, 4176, in Cl. 8.4.2.170k S1G Capabilities element, Cl. 8.4.2.170k.3 Supported S1G-MCS and NSS Set field, to change the figure Figure 8-575a26—Supported S1G-MCS and NSS Set field format and the table Table 8-258a6—Supported S1G-MCS and NSS Set subfields
		3. There were no questions or comments.
	7. **11-14/1089r0, LB203-MAC-Resolution-Misc\_part 2 (Alfred Asterjadhi (Qualcomm))**
		1. This submission proposes resolutions for comments in different subclauses of TGah Draft 2.0 with the CIDs 3161, 3007, 3009, 3031, 3033, 3034, 3387, 3388, 3292, 3293, 3418, 3457 (12 CIDs).
		2. Changes are in:
			1. Cl. 10.44e Support for energy limited STAs for CID 3161;
				1. Alfred makes a change on p2 of the document, will update to r1.
				2. There were no comments or questions for this part.
		3. Changes are in:
			1. Cl. 8.4.2.30 TCLAS element, in Table 8-152 -- Frame classifier type for CIDs 3007 and Classifier Mask Control subfield values in this subclause for CID 3009;
			2. Cl. 9.7.6.5.2 Selection of a rate or MCS for CID 3031 (several places):
				1. Cl. 9.7.6.5.3 Control response frame MCS computation
				2. Cl. 9.21.5.2 RAW structure and timing
				3. Cl. 9.42h.2 Relay operation
			3. Cl. 9.7.6.5.4b Control Response MCS Negotiation for CID 3033 (several places), also including changes in
				1. Cl. 9.7.6.6 Channel Width selection for Control frames
				2. Cl. 9.24.2 Setup and modification of the block ack parameters
				3. Cl. 9.42a.1 TWT overview
				4. Cl. 9.42a.5 TWT grouping
				5. Cl. 9.42b.2 Rescheduling of awake/doze cycle
				6. Cl. 9.42j Traveling Pilot Operation
				7. Cl. 10.2.2.1 General
				8. Cl. 10.2.2.3 AP TIM transmissions
			4. Cl. 8.4.2.6.3 OLB mode for CIDs 3387, 3388;
			5. Cl. 8.6.27.2 Control Response MCS Negotiation Request frame format for CIDs 3292, 3293.
				1. Yongho: A previous comment was that "MCS" is confusing; should we tchange to S1G-MCS? Alfred: Don't think so, previous comment was in MLME, this part has no inconsistency. Yongho: OK.
		4. Changes continued:
			1. Cl. 8.2.3 General frame format for CIDs 3418, 3457.
		5. There were no other comments.
			1. Alfred will revise to r1 with an editorial change.
8. Chair noted that we are out of time; asked if Alfred can postpone the rest of his documents to F2F. Alfred: OK, like to check if revised 1st document to r1? Yongho: Yes. Alfred: 2nd doc also revised to r1 with editorial change.
	1. Yongho: There are still 8 submissions to be discussed next week. Also received emails requesting agenda time, will update and send out agenda. Zander: Have all CIDs been allocated and addressed by assignees? Yongho: Will update new spreadsheet.
	2. As there were no other topics to discuss and no objections to adjourning, the call was adjourned at 10.00 pm.
9. **Attendance list**
Yongho Seok - self

Li Chia Choo - Institute for Infocomm Research (I2R)

Mitsuru Iwaoka - Yokogawa

Shusaku Shimada - Schubiquist Technologies Guild

Yuan Zhou - Institute for Infocomm Research (I2R)

Chittabrata Ghosh - Nokia

Alfred Asterjadhi - Qualcomm

Jae Sung Lee - ETRI

Zander Lei - Institute for Infocomm Research (I2R)

Shahrnaz Aziz - Intel

Shoukang Zheng - Institute for Infocomm Research (I2R)