IEEE P802.11
Wireless LANs

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| REVmc Minutes for March - Berlin |
| Date: 2015-03-M-DD |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Jon Rosdahl | CSR Technologies Inc. | 10871 N 5750 WHighland, UT 84003 | +1-801-492-4023 | Jrosdahl@ieee.org |
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Abstract

Minutes for the 802.11 REVmc task group meetings held during the March 2015 802 Plenary at the Estrel Convention Center in Berlin, Germany.

3 meetings during the week – Monday PM1, Tuesday PM1 and Tuesday PM2

1. **802.11 TG REVmc called to order by Dorothy STANLEY (Aruba) at 1:31pm Monday, 9 March 2015**
	1. **Officer Introductions**: Dorothy STANLEY (Aruba), Mark HAMILTON (SpectraLink), Jon ROSDAHL (CSR), Emily QI (Intel), Adrian STEPHENS (Intel)
	2. **Proposed Agenda** for Monday

Monday PM1

1. Chair’s Welcome, Status, Review of Objectives, Approve agenda, minutes
2. Editor’s Report
3. Comment resolution
	1. **Review Patent Policy**
		1. Call for Potentially Essential Patents
			1. No Issues or items identified
	2. **Review Objectives**
		1. Comment resolution and next letter ballot
		2. EC Conditional approval for Sponsor Ballot
	3. **Review Agenda for Week** – 11-15/0221r1 (Slide 3)
		1. Monday PM1
* Chair’s Welcome, Status, Review of Objectives, Approve agenda, minutes
* Editor’s Report
* Comment resolution
	+ 1. Tuesday PM1
* 11ad presentations:
	+ 11-15-0253,
	+ 11-15-0254,
	+ 11-15-0255,
	+ 11-15-0256
		1. Tuesday PM2
* Comment resolution
* Motions
	+ 1. Wednesday PM1
* Comment resolution
* Motions
	+ 1. Thursday PM1
* Motions
* Plans for May, Schedule
* AOB, Adjourn
	+ 1. We may not need all slots, but we have this plan.
		2. Move to approve Agenda Plan:
			1. Moved: Adrian STEPHENS (Intel), 2nd Jon ROSDHAL (CSR)
			2. Unanimous approval
	1. **Approve prior meeting minutes**
		1. Atlanta minutes: <https://mentor.ieee.org/802.11/dcn/15/11-15-0007-00-000m-revmc-meeting-minutes-for-january-2015-in-atlanta.docx>
		2. Teleconference minutes: <https://mentor.ieee.org/802.11/dcn/15/11-15-0269-01-000m-tgmc-teleconference-minutes-feb-2015.docx>
		3. Move to approve Minutes:
			1. Moved: Jon ROSDHAL (CSR) 2nd Mark HAMILTON (Spectralink)
			2. Unanimously approved
	2. **Editor Report (Adrian STEPHENS (Intel))**
		1. Review Document: 11-13/95r19
		2. Editor report: [https://](https://mentor.ieee.org/802.11/dcn/13/11-13-0095-18-000m-editor-reports.ppt)[11-13-0095-19-000m-editor-reports.ppt](https://mentor.ieee.org/802.11/dcn/13/11-13-0095-19-000m-editor-reports.ppt)
		3. 46 total comments on last Recirculation
		4. Review Comment Status
			1. 2 telecons held (minutes just approved)
			2. Categorized all the comments.
			3. 23 Resolutions Drafted
			4. 22 Ready for Motion
		5. Review unsatisfied comments from all ballots
			1. Understand desire/process to determine which comments were satisfied
			2. Lei WANG, Matthew FISCHER, Mark RISON have indicated they would get response to Chair by end of day.
		6. Expect updated EC presentation ready for PM2 tomorrow.
	3. **Review current Comment spreadsheet 11-13/233r54**
		1. LB206 comments reviewed –
		2. Reviewed LB206 Rejected comment Tab
			1. Questions on specific CIDs
			2. CID 4036
				1. Need to remove the Skype Timestamp
			3. CID 4041
				1. Concern on the resolution
				2. This CID is not on this tab, it is in the Discussion Tab – need more discussion later.
			4. CID 4027
				1. Concern on the proposed resolution
				2. Commenter disagrees with the “clarity” of the text.
				3. WG Chair describes the comment processing process
				4. Comment Process should come to conclusion and move ahead on consensus > 75%
				5. Disagreement with the process, as no time to present was made.
				6. The Chair would like to see if the group would like to accept the tab with the Resolutions
				7. The purpose of Motion and formal action for making decisions to assure that we are treating all fairly.
				8. Motion 111# - LB 206 CID 4027

Move to approve to change the resolution of 4027 to “Accepted”

Moved: Mark RISON (Samsung) 2nd Mike MONTEMURRO (Blackberry)

Discussion:

What is the root issue?

Concern for the missing hyphen in HMAC-SHA1 which is defined as HMAC-SHA-1.

Concern on the use of the use of Consensus rejection.

This comment has been discussed in the past, while technically correct that the “-“ is missing, but it is not critical.

We are at a state of any change can delay going to sponsor ballot for 3 months.

This error is not important enough to delay the process.

The change was included in 11-14/1357r2, but apparently it was for a CID that was not accepted.

We have a lot of agreement for the change to be made, but the change being done now is what is in disagreement.

Results: Y –2 N -8 A-1 -- **Motion Fails**

New Proposed Resolution: Rejected – The Task Group considered the comment and has decided not to make any change to the current text at this time. – Motion 111# to change the resolution of 4027 to Accept. Moved: Mark RISON 2nd Mike MONTEMURRO Results: Y-2 N-8 A-1 Motion Failed.

No objection – Mark ready for Motion

* + - 1. No other Comments were asked to be discussed.
		1. Review LB206 Out of Scope Tab
			1. Review comments on the tab
			2. No CIDs identified for discussion
		2. Review LB206 Insufficient Detail Tab
			1. Review comments on the Tab
			2. Request to pull CIDs 4026, 4031, 4042 and move to LB206 Discussion.
				1. Comments moved to Discussion group in comment database.
		3. Review LB206 Invalid Comment Tab
			1. Only one comment – not valid
		4. Request to return to the LB206 Rejected Tab
			1. Request to pull CID 4036, 4034, 4037, 4038, 4039 and move to LB206 Discussion.
				1. Move CIDs to the Discussion comment group in the comment database
		5. Review LB206 Discussion Tab
			1. CID 4040/4041
				1. Review comment
				2. Identified an error in the adhoc notes – update to match the minutes
				3. CIDs were marked ready for motion, but were still on the discussion tab
				4. MOTION #112 – LB206 CIDs 4041, 4040

Approve a resolution of “Accepted” for CID 4041 and 4040

Moved Mark RISON

**Motion fails** for lack of a second

* + - 1. CID 4030
				1. Review comment
				2. Review minutes from Feb Telecon for CID 4030
				3. Review context of the comment
				4. Assertion PTKLen is not referred to in the standard and it needs to be changed.
				5. Assertion that the Other Comment resolution should be used.
				6. New Proposed Resolution: Rejected – The Task Group considered the comment and has decided not to make any change to the current text at this time.

Concern that we have not had a motion to document the group consideration

* + - * 1. **MOTION #113** – LB206 CID 4030

Move to approve a resolution of “Accepted” for CID 4030.

Moved: Mark HAMILTON, 2nd Jouni MALLINEN

Discussion:

Speakers against motion due to delay in process.

Results: Y-2 N-10 A-2 - **Motion Fails**

Amended New Proposed Resolution: Rejected – The Task Group considered the comment and has decided not to make any change to the current text at this time. MOTION #113 Move to approve a resolution of “Accepted” for CID 4030. Moved: Mark Hamilton, 2nd Jouni Mallinen – Results: Y-2, N-10, A-2 Motion Fails

No objection to the new resolution – Mark Ready for motion.

Move to a “LB206 Berlin Monday pm1” Tab

* + - 1. CID 4041 and 4040
				1. Proposed New Resolution: Rejected – The Task Group considered the comment and has decided not to make any change to the current text at this time MOTION #112 – Approve a resolution of “Accepted” for CID 4041 and 4040 Moved: Mark Rison – Motion fails for lack of second
				2. No objection to the resolution – Mark ready for Motion and move to the “LB206 Berlin Monday pm1” tab.
		1. Review pulled CID 4036
			1. Review comment and current proposed Resolution
			2. Review Teleconference notes on CID 4036
			3. Discussion on changes that were proposed in 11-14/1104 previously.
			4. Exception on assertion of not enough time given to discuss the idea.
			5. **Motion #114** – LB206 CID 4036
				1. Move to adopt the proposed Resolution for CID 4036 in 11-13/233r54 – “LB206 rejected” Tab.
				2. Moved: Jon ROSDAHL 2nd:Micheal MONTEMURRO
				3. Discussion:

Please explain why the resolution needs the history

Call the Question: Michael Montemurro

No objection to calling the question

* + - * 1. Results: Y-10 N-2 A-1 --**Motion Passes**
	1. **Recess** – 3:30pm – will Reconvene Tuesday PM1.
1. **802.11 TG REVmc called to order by Dorothy STANLEY (Aruba) at 1:30pm Tuesday, 10 March 2015**
	1. Review Agenda
2. 11ad presentations:
	1. 11-15/253, 11-15/0254, 11-15/255, 11-15/0256 – Solomon TRAININ (Intel)
	2. 11-15/410 – Payam TORAB (Broadcom)
3. Comment resolution
4. Motions
	1. **Review document 11-15/253** – Solomon TRAININ (Intel)
		1. The document was presented to the group.
		2. Comment, on Page 5, last three sections need to have the exact changes included to be a complete presentation.
			1. Action Item: Author to include specific changes and revise the document
	2. **Review document 11-15/254** – Solomon TRAININ (Intel)
		1. The document was presented to the group
		2. Question on page 3 for the diagram –the new text should be in the bubble.
			1. Transitions between the substrates
			2. Question on normative change on the transitions between substates
			3. The figure may need to be redrawn as it seemed to cause some confusion.
	3. **Review document 11-15/255** – Solomon TRAININ (Intel)
		1. The document was presented to the group
		2. Question on the duty cycle of the sleep mode – page 2
			1. The existing text does not have a periodicity
			2. The existing definition is used for the DMG in this proposal.
			3. The Wake-up schedule element is now expected to be applicable to DMG STA
	4. **Review document 11-15/256** – Solomon TRAININ (Intel)
		1. The document was presented to the group
		2. Question on the wakeup schedule
			1. how to determine how to change the schedule
	5. The plan for these presentations is to have more review offline and then bring back updated documents for consideration at the 2015 May Interim.
	6. Review document 11-15/410 – Payam TORAB (Broadcom)
		1. Presentation of the document to the group
		2. Question on the change of “Shall” to “may”
			1. Need to change the two “may” back to “Shall”
			2. This is to ensure that the MCS is from the set expected.
		3. The plan is to bring the updated presentation back to the May 2015 Interim
	7. Question on other presentations that were made, but a motion was not taken in the past
		1. A comment on Sponsor ballot should be made, or a request to put on agenda
	8. **Comment Resolution**:
		1. Review 11-13/233r55
		2. LB206 for Discussion Tab – 7 comments left
		3. CID 4042
			1. Review Comment
			2. Previous proposed resolution reviewed – Reject for insufficient detail
			3. Request to defer all the CIDs with the reject for insufficient detail be considered together after all the others.
		4. CID 4037, 4038 and 4039
			1. Comments are similar
			2. Review comments
			3. Review proposed resolution: - Rejected – the text seemed clear
			4. Review context of the CIDs in Draft 4
			5. Possible process options – make a motion to either make a change or to accept the proposed resolution and then process the debate.
				1. The precise definition of KDF-X is not made, belief that a change was requested in the past, and it should have been changed by the editor.
			6. **Motion #115** -- LB206 CIDS 4037,4038,4039
				1. Move to adopt the proposed resolution to CIDs 4037, 4038, 4039 in 11-13/233r55 “lb206 for discussion” tab.
				2. Move Adrian STEPHENS, 2nd Michael MONTEMURRO
				3. Discussion:

No discussion

* + - * 1. Results: Y-15 N-1 A-1 – **Motion passes**
		1. CID 4034
			1. Review Comment
			2. Review proposed Resolution –
			3. Review Context in D4.0
			4. **Motion #116** -- LB206 CIDS 4034
				1. Move to adopt the proposed resolution to CID 4034 in 11-13/233r55 “lb206 for discussion” tab.
			5. Moved Michael MONTEMURRO, 2nd Adrian STEPHENS
			6. Discussion
				1. One spoke in favor and one against motion
			7. Results: Y-11 N-1 A-3 -- Motion Passes
		2. CID 4042, 4026, 4031
			1. Review Comment
			2. Are these comments similar to the CIDs we disposed of yesterday?
				1. Not specifically
			3. Desire to proceed as were have been today with a motion
			4. **Motion #117**-- LLB206 CIDs 4042, 4031, 4026
				1. Move to adopt the proposed resolution to CIDs 4042, 4031, 4026 in 11-13/233r55 “lb206 for discussion” tab.
			5. Moved: Jouni MALINEN 2nd Michael MONTEMURRO
			6. Discussion – none
			7. Results: Y-14 N-1 A-1 -- Motion passes
	1. **Motions**:
		1. **Motion #118** -- LB 206 CIDs
			1. Approve resolutions to comments in the “LB206 Berlin Monday” (3 CIDs), “LB206 Insufficient Detail”(2 CIDs), “LB206 Invalid Comment” (1 CID), “LB206 Out of Scope” (13 CIDs), and “LB206 Rejected” (19 CIDs) tabs in 11-13/233r55.
			2. Moved: Michael MONTEMURRO, 2nd George CALCEV
			3. Discussion – None
			4. Results: Y-13 N-1 A-2 – Motion Passes
	2. **Recess** at 3:31pm – to reconvene at 4pm.
1. **802.11 TG REVmc called to order by Dorothy STANLEY (Aruba) at 4:04pm Tuesday, 10 March 2015**
	1. Review agenda for this slot
		1. See 11-15/0221r4
		2. Agenda:
* Motions
* Review Conditional EC Approval for Sponsor Ballot
* Plans for May, Schedule
* AOB, Adjourn
	1. **Motions:**
		1. **Motion** #119 -- Motion for WGLB on P802.11mc D4.0 (Unchanged)
		2. **Having approved comment resolutions for all of the comments received from LB206 on P802.11mc D4.0**

**Approve a 15 day Working Group Recirculation Ballot asking the question “Should P802.11mc D4.0 be forwarded to Sponsor Ballot?”**

* + 1. Moved Edward AU 2nd Michael MONTEMURRO
		2. Discussion - None
		3. Results: Y-12 n-0 A-1 **Motion Passes**.
	1. **Review Conditional EC Approval for Sponsor Ballot**
		1. Review document 11-15/287r3
		2. Revision R4 is the changes made during today’s discussion and subsequent corrections.
		3. Discussion of the list of Unsatisfied comments by commenter.
			1. The changes may leave 32 or 31 unsatisfied comments.
		4. Unsatisfied Comment categories still need to be tabulated
		5. Need spreadsheet of 32 open CIDs to embed in the report
			1. **Action Item**: Adrian to create and send to Dorothy
		6. Review Timeline to be reported
			1. Start Final SB on 17-March 2015 – 01-April-2015
			2. First Sponsor Ballot – 7April to 7 May
			3. 2nd Sponsor Ballot 27Sept2015 to 11 Oct-2015
			4. 3rd Sponsor Ballot 5-Jan-2016 to 20 Jan-2016
			5. 4th Sponsor Ballot 4-Feb-2016 to 19-Feb-2016
			6. EC to RevCom – Jan 16
			7. RevCom to Standards Board March 16 (note it is an early meeting in 2016)
			8. Question on where good opportunities to make changes?
				1. Initial, between 1-2 and between 2-3 where 4 is the unchanged draft from 3 with any comments received.
		7. **Motion #120** -- Motion for EC Approval on P802.11mc D4.0
			1. **Approve document 11-15-0287r4 as the report to the IEEE 802 Executive Committee on the requirements for conditional approval to forward Draft P802.11-REVmc/D4.0 to sponsor ballot, granting the chair editorial license and**

**Request the IEEE 802 Executive Committee to conditionally approve forwarding Draft P802.11REVmc/D4.0 to sponsor ballot.**

* + - 1. Moved: Jon ROSDAHL 2nd: Mark HAMILTON
			2. Discussion: None
			3. Result: Y-14 N-0 A-3 -- **Motion Passes**
	1. **May Meeting Planning**
		1. Objectives: Initial Sponsor Ballot comment resolution
		2. Conference calls 10am Eastern 2 hours
			1. Need a Conference call on March 30 to resolve any comments from final Letter ballot.
				1. This call will allow voting on the telecom to resolve the comments that may be received from the Final WG letter ballot.
				2. Then additional telecons with 10-day notice
		3. Comment Resolution Committee meeting – Planning
			1. Possible -2015 July 7-8-9-10 (Tues-Fri, HI Locations) to process SB comments
			2. Discussions on possible locations that help the most to attend.
			3. Strawpoll on possible locations
				1. I prefer
1. Hawaii
2. San Diego
	* + - 1. Results: a-3 b-3
			1. Stawpoll on having a Comment Resolution Committee Face-to-Face mtg
				1. I plan to attend a Comment Resolution Committee Face-to-Face meeting in July at
3. Hawaii
4. San Diego
	* + - 1. Results: a-4 b-4
			1. Strawpoll on holding a CRC F2F Mtg
				1. Will attend in principle (not a commitment)? 8
			2. Not enough support to support having a face to face at this time
				1. Revisit this in May
	1. **Schedule Review**
		1. Current timeline is still looking like March 2016 completion
	2. No other business – REVmc to adjourn for the week.
	3. **Adjourned** at 5:25pm

**References:**

Agenda Slides:

<https://mentor.ieee.org/802.11/dcn/15/11-15-0221-05-000m-tgmc-agenda-march-2015.pptx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0221-04-000m-tgmc-agenda-march-2015.pptx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0221-03-000m-tgmc-agenda-march-2015.pptx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0221-02-000m-tgmc-agenda-march-2015.pptx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0221-01-000m-tgmc-agenda-march-2015.pptx>

Report to EC:

<https://mentor.ieee.org/802.11/dcn/15/11-15-0287-06-000m-p802-11revmc-report-to-ec-on-conditional-approval-to-go-to-sponsor-ballot.pptx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0287-05-000m-p802-11revmc-report-to-ec-on-conditional-approval-to-go-to-sponsor-ballot.pptx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0287-02-000m-p802-11revmc-report-to-ec-on-conditional-approval-to-go-to-sponsor-ballot.pptx>

TGad Presentations:

<https://mentor.ieee.org/802.11/dcn/15/11-15-0256-00-000m-802-11ad-atim-frame-usage-clarifications.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0255-01-000m-802-11ad-pcp-power-management-clarifications.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0254-01-000m-802-11ad-non-pcp-sta-power-management-clarifications.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0253-01-000m-802-11ad-grant-frame-related-clarifications.docx>

<https://mentor.ieee.org/802.11/dcn/15/11-15-0410-01-000m-dmg-control-response-frame-rate-selection.docx>

Ballot Comments:

<https://mentor.ieee.org/802.11/dcn/13/11-13-0233-56-000m-revmc-wg-ballot-comments.xls>

<https://mentor.ieee.org/802.11/dcn/13/11-13-0233-55-000m-revmc-wg-ballot-comments.xls>

Approved Minutes:

Atlanta Minutes: <https://mentor.ieee.org/802.11/dcn/15/11-15-0007-00-000m-revmc-meeting-minutes-for-january-2015-in-atlanta.docx>

Teleconference minutes: <https://mentor.ieee.org/802.11/dcn/15/11-15-0269-01-000m-tgmc-teleconference-minutes-feb-2015.docx>

Editor Report:

[https://](https://mentor.ieee.org/802.11/dcn/13/11-13-0095-18-000m-editor-reports.ppt)[11-13-0095-19-000m-editor-reports.ppt](https://mentor.ieee.org/802.11/dcn/13/11-13-0095-19-000m-editor-reports.ppt)