IEEE P802.11
Wireless LANs

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| Minutes for REVmd CRC- June 3-5 2020 |
| Date: 2020-06-05 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
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|  |  |  |  |  |

Abstract

Minutes for the 802.11md REVmd CRC Telecons for June 3 and 5, 2020.

R0: Minutes for June 3, 2020

R1: Minutes for June 5, 2020 added.

1. **IEEE 802.11md REVmd CRC Telecon Wednesday June 3, 2020 16:00-18:00 ET**
	1. **Called to order at 4:03pm** ET by the TG Chair Dorothy STANLEY (HPE)
	2. **Review Patent and Participation Policy**
		1. No Issues noted.
	3. **Attendance:** -please log with IMAT:
		1. About 12 attendees reported by WebEx

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | TGmd | 6/3 | Au, Kwok Shum | Huawei Technologies Co., Ltd |
|  | TGmd | 6/3 | Coffey, John | Realtek Semiconductor Corp. |
|  | TGmd | 6/3 | Derham, Thomas | Broadcom Corporation |
|  | TGmd | 6/3 | Fischer, Matthew | Broadcom Corporation |
|  | TGmd | 6/3 | Goodall, David | Morse Micro |
|  | TGmd | 6/3 | Levy, Joseph | InterDigital, Inc. |
|  | TGmd | 6/3 | Montemurro, Michael | BlackBerry |
|  | TGmd | 6/3 | NANDAGOPALAN, SAI SHANKAR | Cypress Semiconductor Corporation |
|  | TGmd | 6/3 | RISON, Mark | Samsung Cambridge Solution Centre |
|  | TGmd | 6/3 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
|  | TGmd | 6/3 | Smith, Graham | SR Technologies |
|  | TGmd | 6/3 | Stanley, Dorothy | Hewlett Packard Enterprise |

* + 1. Missing from IMAT: None reported
	1. **Review Agenda**: 11-20/535r20:
		1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0535-20-000m-2020-april-july-teleconference-agendas.docx>
		2. **The draft agenda for the teleconferences is below:**

1.       Call to order, attendance, and patent policy

a.       **Patent Policy: Ways to inform IEEE:**

1. Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); or
2. Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
3. Speak up now and respond to this Call for Potentially Essential Patents

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

b.      Patent, Participation slides: See slides 5-12 in <https://mentor.ieee.org/802.11/dcn/20/11-20-0308-00-000m-2020-march-tgmd-agenda.pptx>

2.  Editor report – Emily QI/Edward AU

3.  Comment resolution:

a) 2020-06-03 Wednesday 4-6pm Eastern 2 hours

i. Matthew FISCHER, CID 4155, <https://mentor.ieee.org/802.11/dcn/19/11-19-1564-08-000m-originator-block-ack-state.docx>. Need the r8 posted(done) – Clarification to block ack state at originator text. Last discussed on 2020-05-20. Confirm ready for motion.

ii. Matthew Fischer CIDs 4159 – Addition of MSCS descriptor, confirm resolutions in <https://mentor.ieee.org/802.11/dcn/20/11-20-0516-06-000m-cr-mscs-and-cid4158.docx>. Mark Rison request for more time to review. Discuss any comments, changes, make ready for motion.

iii. GEN CIDs – Jon ROSDAHL

iv. Mark HAMILTON CIDs <https://mentor.ieee.org/802.11/dcn/20/11-20-0338-05-000m-revmd-initial-sa-comments-assigned-to-hamilton.docx>

4.       AOB

5. Adjourn

* + 1. Discussion of Agenda
			1. No comments on proposed agenda
		2. No objection to updated Agenda see R21
	1. **Editor Report** – Emily QI (Intel)
		1. Still working on d3.4 – should be ready be end of month.
		2. Will incorporate the June 19th Motioned CIDs prior to next Draft.
	2. **Review doc 11-19/1564r8** Matthew FISCHER (Broadcom)
		1. <https://mentor.ieee.org/802.11/dcn/19/11-19-1564-08-000m-originator-block-ack-state.docx>
		2. CID 4155 (MAC)
			1. Review Changes from R7
			2. Proposed Resolution: CID4155 (MAC): REVISED (MAC: 2020-06-03 20:23:48Z) - Make the changes as shown in 11-19/1564r8 (<https://mentor.ieee.org/802.11/dcn/19/11-19-1564-08-000m-originator-block-ack-state.docx> ). This clarifies the text for block ack state processing, as requested.
			3. No Objection - Mark Ready for Motion
	3. **Review doc 11-20/516r6** Matthew FISCHER (Broadcom)
		1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0516-06-000m-cr-mscs-and-cid4158.docx>
		2. CID 459 (MAC)
			1. Review comment
			2. Review proposed changes
			3. Note a “re(association)” needed to be changed to “(re)association”.
			4. Discussion on if an add can be done and if we know what fields are cleared or saved.
			5. The draft is not consistent of subelement-id “0” so there is not a reason for being mandated as reserved.
			6. Request to have a decision made on what things may be reset or not.
			7. Discussion on Association Response behaviour
			8. See 11.3.4.5 c) for location of potential items that need to be reset.
			9. Add a list item to page 2225 (d3.2) Non-AP and nonPCP STA reassociation initialization procedures add 14) MSCS setup and 15) SCS setup. We then debated if “setup” or “parameter” or just MSCS and SCS.
			10. Proposed Resolution: CID 4159 (MAC): REVISED (MAC: 2020-06-03 20:25:36Z): Incorporate the changes as shown in 11-20/0516r7 (<https://mentor.ieee.org/802.11/dcn/20/11-20-0516-07-000m-cr-mscs-and-cid4158.docx> ) for CID 4159. These include the MSCS setup in (Re)Association request and response frames, as requested.
			11. No objection – Mark Ready for Motion
	4. **Review doc 11-20/338r5** Mark HAMILTON (Ruckus/Comscope)
		1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0338-05-000m-revmd-initial-sa-comments-assigned-to-hamilton.docx>
		2. CID 4802 (MAC)
			1. Review Comment.
			2. Review proposed changes.
			3. Proposed Resolution: Revised. Break the cited paragraph into two, after the first sentence (at the full stop on line 2). Add a new sentence to the start of the new paragraph as, "Some elements in the Reported Frame Body subelement, or the Reported Frame Body subelement itself, might be large." (Note to Editor: The change is shown in 11-20/0338r6 <<https://mentor.ieee.org/802.11/dcn/20/11-20-0338-06-000m-revmd-initial-sa-comments-assigned-to-hamilton.docx>>)
			4. No objection – Mark Ready for Motion
		3. CID 4799 (MAC)
			1. Review comment.
			2. Review proposed changes.
			3. No objection – Mark Ready for Motion
		4. CID 4797, 4347, 4351, 4349 (MAC)
			1. Review comments.
			2. Review proposed changes.
			3. Proposed resolutions:
				1. CID 4797: Revised. Delete e) and in d) after "send zero or more probe requests" add " to the broadcast destination address"
				2. CID 4347: Revised. Delete e) and in d) after "send zero or more probe requests" add " to the broadcast destination address"
				3. CID 4351: Accepted.
				4. CID 4349: Rejected. While it is true that sending more Probe Requests using an SSID already covered by (c) is redundant, it would potentially make existing implementations non-compliant to make this a hard requirement.
				5. Add a note to the editor in CIDs 4797, 4347 and 4351 that the changes are the same for all three.
			4. No objection - Mark all 4 CIDs Ready for Motion.
		5. CID 4641 (MAC)
			1. Review Comment
			2. Review submission discussion.
			3. Proposed resolution: Rejected. Given the immediately nearby antecedent phrases in the first sentence which spells out that these are in reference to the beam tracking roles, the references in the second sentence are clear enough.
			4. After discussion to want to be more consistent,
			5. Update Proposed Resolution: (MAC): REVISED (MAC: 2020-06-04 21:04:29Z): Change

“If the initiator receives the expected feedback from the beam tracking responder within time that is greater than or equal to the beam tracking time limit of the last request, the beam tracking initiator should ignore it.”

to

“If the initiator receives the expected feedback from the responder within time that is greater than or equal to the beam tracking time limit of the last request, the initiator should ignore it.”

* + - 1. No objection – Mark Ready for Motion
		1. CID 4782 (MAC)
			1. Review Comment
			2. Review proposed changes
			3. Proposed Resolution: Revised. Replace the sentence with: "If a FILS STA receives one or more Probe Request frame(s) and the STA has dot11FILSOmitReplicateProbeResponses equal to true, then the responding STA shall respond, subject to the criteria above, via the next Beacon frame, a broadcast Probe Response frame, or one or more individually addressed Probe Response frames.". Also, move the paragraph at P2164.48 to appear after the paragraph at P2164.52.
			4. No objection – Mark Ready for Motion
		2. CID 4488 (MAC)
			1. Review Comment
			2. Review proposed change.
			3. Proposed Resolution: Revised. Change each “Remaining BI field” (singular) in the cited paragraph to “Handover Remaining BI field”.
			4. No objection – Mark Ready for Motion
		3. CID 4723 (MAC)
			1. Review comment
			2. Review submission discussion.
			3. Concern that there may be another location to make same change. Just in front of 12.7.10.2.2.
			4. Discussion on if the wrapped and encrypted is correct.
				1. The location of cited text may be just incorrect, as it has had many changes over the years.
			5. Need more research before we can proceed on this CID.
		4. CID 4722 (MAC)
			1. Review comment
			2. Similar to another CID 2510.
			3. Review submission discussion.
			4. Proposed resolution: Accept
			5. Discussion on what the side effects maybe.
			6. ACTION ITEM: Mark H to check with Jouni and Dan.
		5. CID 4658 (MAC)
			1. Review Comment
			2. Proposed resolution: Accept
			3. No objection – Mark Ready for Motion
		6. CID 4795 (MAC)
			1. Review Comment
			2. Review proposed change – 2 locations.
			3. Proposed Resolution: Accepted. Note to Editor, there are two locations, at 2060.28 and 2060.35.
			4. No objection – Mark Ready for Motion
		7. CID 4234 (MAC)
			1. Review Comment
			2. A S1G STA is a QoS STA as described in clause 4.3.14.1.
			3. There are other places in the spec where the duration is set differently.
			4. ACTION ITEM: David GOODALL will provide feedback offline.
			5. The proposed resolution is Sufficient
			6. Proposed resolution: Revised. Change

"In Data and Management frames sent by QoS STAs, the Duration/ID field contains a duration value as defined for each frame type in 9.2.5 (Duration/ID field (QoS STA))."

to

"In Data and Management frames sent by QoS STAs, the Duration/ID field contains a duration value as defined for each frame type in 9.2.5 (Duration/ID field (QoS STA)). In Extension frames the Duration/ID field contains a duration value as defined in 9.3.4."

* + - 1. No objection - Mark Ready for Motion
		1. CID 4318 (MAC) and 4317 (MAC)
			1. Review the Comments
			2. Proposed Resolutions:
				1. CID 4317: Accepted.
				2. CID 4318: Revised. Delete "to a STA " in the cited text; also in 10.12.5.
			3. No Objection – Mark Ready for Motion
		2. CID 4309 (MAC)
			1. Review Comment
			2. Review submission discussion.
			3. Proposed Resolution: Accepted
			4. No Objection – Mark Ready for Motion
		3. CID 4295 (MAC)
			1. Review Comment
			2. Review submission discussion.
			3. Proposed Resolution: Accepted.
			4. No Objection – Mark Ready for Motion.
		4. CID 4285 (MAC)
			1. Review comment
			2. Review submission discussion.
			3. Proposed Resolution: Rejected. The request is for the requested STA to perform FTM range operations with a subset of the APs listed in the Neighbor Report subelements, up to at least the number specified in the Minimum AP Count field. Thus, the Neighbor Report subslements are a superset of the APs that are expected to be ranged.
			4. Discussion on the proposed resolution: it’s still confusing. Suggest something like “specify a set of nearby APs; the requested STA is requested to perform the FTM procedure with a subset of these APs”
			5. Updated Proposed Resolution: Revised. Change … to “specify a set of nearby APs; the requested STA is requested to perform the FTM procedure with a subset of these APs”
			6. No Objection – Mark Ready for Motion.
		5. CID 4253 (MAC)
			1. Review Comment
			2. Proposed Resolution: Accepted
			3. No Objection – Mark Ready for Motion.
		6. CID 4490 (MAC)
			1. Review Comment
			2. Proposed Resolution: Accepted
			3. No Objection – Mark Ready for Motion.
		7. CID 4240 (MAC)
			1. Review Comment
			2. Proposed Resolution: Accepted
			3. No Objection – Mark Ready for Motion.
	1. **Review Schedule for Future Telecons.**
	2. **Future Telecons –**
		1. July 1 and July 3 are national holidays.
		2. June 29th and June 30th 3-5pm.
		3. ACTION ITEM: Dorothy to send announcement
	3. **Adjourned 6:03pm**
1. **IEEE 802.11md REVmd CRC Telecon Friday June 5, 2020 10:00-12:00 ET**
	1. **Called to order at 10:03am** ET by the TG Chair Dorothy STANLEY (HPE)
	2. **Review Patent and Participation Policy**
		1. No Issues noted.
	3. **Attendance:** -please log with IMAT:
		1. About 17 attendees reported by WebEx

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | TGmd | 6/5 | Au, Kwok Shum | Huawei Technologies Co., Ltd |
|  | TGmd | 6/5 | Coffey, John | Realtek Semiconductor Corp. |
|  | TGmd | 6/5 | Derham, Thomas | Broadcom Corporation |
|  | TGmd | 6/5 | Hamilton, Mark | Ruckus Wireless |
|  | TGmd | 6/5 | Hamilton, Mark | Ruckus Wireless |
|  | TGmd | 6/5 | Huang, Po-Kai | Intel Corporation |
|  | TGmd | 6/5 | Kwon, Young Hoon | NXP Semiconductors |
|  | TGmd | 6/5 | Levy, Joseph | InterDigital, Inc. |
|  | TGmd | 6/5 | McCann, Stephen | BlackBerry |
|  | TGmd | 6/5 | Montemurro, Michael | BlackBerry |
|  | TGmd | 6/5 | Qi, Emily | Intel Corporation |
|  | TGmd | 6/5 | RISON, Mark | Samsung Cambridge Solution Centre |
|  | TGmd | 6/5 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
|  | TGmd | 6/5 | Smith, Graham | SR Technologies |
|  | TGmd | 6/5 | Stacey, Robert | Intel Corporation |
|  | TGmd | 6/5 | Stanley, Dorothy | Hewlett Packard Enterprise |
|  | TGmd | 6/5 | Wentink, Menzo | Qualcomm Incorporated |

* + 1. Missing from IMAT: None reported
	1. **Review Agenda**: 11-20/535r21:
		1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0535-21-000m-2020-april-july-teleconference-agendas.docx>
		2. **The draft agenda for the teleconferences is below:**

1.       Call to order, attendance, and patent policy

a.       **Patent Policy: Ways to inform IEEE:**

1. Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); or
2. Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
3. Speak up now and respond to this Call for Potentially Essential Patents

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

b.      Patent, Participation slides: See slides 5-12 in <https://mentor.ieee.org/802.11/dcn/20/11-20-0308-00-000m-2020-march-tgmd-agenda.pptx>

2.  Editor report – Emily QI/Edward AU

3.  Comment resolution:

1. **2020-06-05 Friday 10 am Eastern 2 hours**
	1. Osama ABOUL-MAGD - <https://mentor.ieee.org/802.11/dcn/20/11-20-0814-00-000m-proposed-resolutions-to-cids-4145-4146-and-4147.docx>
	2. Menzo WENTINK – including CIDs 4725, 4743, 4750, 4754, 4699 <https://mentor.ieee.org/802.11/dcn/20/11-20-0150-11-000m-assorted-crs-revmd-draft-3-0.docx>
	3. Graham Smith & Menzo Wentink – CID 4444. Also see <https://mentor.ieee.org/802.11/dcn/20/11-20-0367-03-000m-resolution-of-cid-4444.docx>
	4. Matthew FISCHER, CID 4156 <https://mentor.ieee.org/802.11/dcn/19/11-19-1562-08-000m-all-sta-crs-mcs-negotiation.docx> . Extend 802.11ah-2016 MCS negotiation. Technical issues with current proposal? Straw poll for direction.

4.       AOB

5. Adjourn

* + 1. Discussion of Agenda
			1. Change order to put Osama first today
		2. No objection to updated Agenda see R22
	1. **Editor Report** – Emily QI (Intel)
		1. No update since last telecon
		2. Question – How many CIDs are left?
			1. On the order of 250 CIDs left
			2. Motions will be on June 19th, and that will clear many more comments.
			3. About 50 CIDs proposed since last motions (May 15).
	2. **Review doc 11-20/814r0** - Osama ABOUL-MAGD (Huawei)
		1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0814-00-000m-proposed-resolutions-to-cids-4145-4146-and-4147.docx>
		2. CID 4145, 4147 (MAC)
			1. Review comment
			2. Review submission discussion
			3. Proposal to delete Traffic category and replace the use with User Priority.
			4. Discussion on the use of “frame UP” in replacing “TC”. Not sure the use of “frame” is appropriate.
			5. Discussion on just deleting the “frame”.
			6. Table 9-12 – context reviewed.
			7. This is part of CID 4146(MAC) and was going to be discussed later.
			8. Take all 3 CIDs together to ensure consistent resolution.
			9. Review CID 4146 (MAC)
			10. Review the submission discussion for CID 4146.
			11. Discussion this may be related to CID 7796 in doc 11-16/0276r15
				1. <https://mentor.ieee.org/802.11/dcn/16/11-16-0276-15-000m-resolutions-for-some-comments-on-11mc-d5-0-sbmc1.docx>
				2. We had preserved TC in the past, so reviewed the rationale for doing so.
				3. Caution on the use of WMM for an example that is not the same as the QoS as defined in 802.11e.
				4. From the document: some perspective asserted:

• A TS is a traffic stream

• A TSPEC is a definition of a traffic stream

• The UP is a number in the range 0-7 specifying a user priority

• The TC is a number also in the range 0-7 but identifying a user priority or a frame that is not part of a defined traffic stream (not 100% sure how this differs from a UP, really)

• The TSID is a number in the range 8-15 identifying a defined traffic stream or a frame that is part of this stream (but the frames in this stream are, in EDCA, identified over the air by the UP for that stream)

• The TID is a number in the range 0-15 that is a UP if it is <8 and is a TSID otherwise

• BA is set up and identified on a per-UP (not per-TSID) basis even for defined traffic streams (hm, so why 16 replay counters? Or maybe you can have BAs under HCCA/HEMM/SPCA/SEMM?)

* + - * 1. Note that the document relates to REVmc CID 7796. CID 7796 was never resolved - left as insufficient detail.
			1. Perhaps a note to indicate why the TC is needed could be considered.
			2. Discussion on how user priority are defined, and at what level, and how are they mapped. Code points that may not have a UP, may need to have the extra layer of TC to address how the internal priority is generated when there is no priority coming from the MAC SAP.
			3. Discussion on CS (Clause selector). It has 8 priority levels. There are code points that have mappings, but not always directly mapped.
			4. Discussion on 5.1.1.2 clause would need to address when the UP is not provided at the MAC SAP. Minor clean-up may need to be made. For the change at P299l51, may need a bit more details added.
			5. Two instances of Traffic Categories are not included in the proposed changes that will need to be added.
				1. ""Other "traffic category" locations; P275.13 and P299.24
			6. The discussion was leading to removing TC and update the description on how UP is defined when it is not passed in through the MAC SAP.
			7. More time for addressing the open issues and will come back later.
	1. **Review Doc 11-20/0150r12** -- Menzo WENTINK (Qualcomm)
		1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0150-12-000m-assorted-crs-revmd-draft-3-0.docx>
		2. CID 4444 (MAC)
			1. Review Comment
			2. Originally worked on by Graham SMITH
			3. Discussion how CAP is defined in HCCA.
			4. Definition in 3.2 may be the point of confusion.
			5. Discussion on possible change to the definition.
			6. The main reason for the comment is to address the ambiguity of HC which may mean HCCA or EDCA.
			7. Review the proposed changes.
			8. Discussion on if a CAP consists of multiple TXOPs. The First TXOP will start a CAP.
			9. Possible path forward – start from the beginning and identify the basic principles and then walk back into the draft text. The concern is that if we do that, then it is a concern on what the pain will be to effect the required changes to the draft.
			10. Discussion on what the ambiguity really is. AP with EDCA or CAP with HCCA or maintain control of the medium. What does it mean to maintain control of the medium?
			11. More work needed –
			12. ACTION ITEM: Menzo and Graham to work on proposed resolution.
			13. Note Graham Smith & Menzo Wentink Also have doc 11-20/367r3 that has some history in the discussion on this CID.
				1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0367-03-000m-resolution-of-cid-4444.docx>
		3. CID 4725 (MAC)
			1. Still active and under development.
		4. CID 4743 (MAC), 4750 (PHY), 4699 (PHY)
			1. Assigned to Mark RISON
			2. It is on his list.
		5. There are 14 CIDs assigned to Menzo:
			1. The list of CIDS:

4811, 4764, 4763, 4762, 4761, 4725, 4699, 4574, 4444, 4416, 4315, 4149, 4144, 4143

* 1. **Review doc 11-650r1** -- Menzo WENTINK (Qualcomm) and Graham SMITH (SR Technologies)
		1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0650-01-000m-cids-4438-4439-delete-ht-delayed-block-ack.docx>
		2. CID 4438 and 4439 (PHY)
			1. Review comment
			2. Review submission discussion
			3. Review clauses for context
			4. Discussion on use of BAR Ack Policy.
			5. Review of the proposed changes.
			6. Discussion on what are the items needed to do to delete HT-delayed Block Ack.
			7. The direction seems agreeable, but more review is necessary, and comments should be provided back to Graham and Menzo.
	2. **Review doc 11-19/1562r8** - CID 4156 - Matthew FISCHER (Broadcom)
		1. <https://mentor.ieee.org/802.11/dcn/19/11-19-1562-08-000m-all-sta-crs-mcs-negotiation.docx>
		2. Extend 802.11ah-2016 MCS negotiation. Technical issues with current proposal? Straw poll for direction.
		3. CID 4156 (MAC)
			1. Review changes from R7
			2. Discussion on the changes proposed.
			3. Plan to have a motion on June 19th to incorporate the changes proposed.
			4. Discussion on feedback from Mark RISON – annotated edits/comments on R8.
			5. Discussion to include S1G issue into the solution.
			6. Disagreement on if there is unanimous support of the direction.
			7. Any resolutions need to be technical in nature.
			8. Proposed resolution: CID 4156 (MAC): REVISED (MAC: 2020-06-05 16:16:45Z): Incorporate changes in 11-19/1562r9 (<https://mentor.ieee.org/802.11/dcn/19/11-19-1562-09-000m-all-sta-crs-mcs-negotiation.docx> ), which proposed a MCS negotiation facility beyond S1G.
			9. Mark Ready for Motion.
			10. Make a standalone Motion.
	3. **Adjourned 12:01pm**

**References:**

 **June 3:**

1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0535-20-000m-2020-april-july-teleconference-agendas.docx>
2. <https://mentor.ieee.org/802.11/dcn/20/11-20-0308-00-000m-2020-march-tgmd-agenda.pptx>
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4. <https://mentor.ieee.org/802.11/dcn/20/11-20-0516-06-000m-cr-mscs-and-cid4158.docx>
5. <https://mentor.ieee.org/802.11/dcn/20/11-20-0516-07-000m-cr-mscs-and-cid4158.docx>
6. <https://mentor.ieee.org/802.11/dcn/20/11-20-0338-05-000m-revmd-initial-sa-comments-assigned-to-hamilton.docx>
7. <https://mentor.ieee.org/802.11/dcn/20/11-20-0338-06-000m-revmd-initial-sa-comments-assigned-to-hamilton.docx>

**June 5:**

1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0535-21-000m-2020-april-july-teleconference-agendas.docx>
2. <https://mentor.ieee.org/802.11/dcn/20/11-20-0308-00-000m-2020-march-tgmd-agenda.pptx>
3. <https://mentor.ieee.org/802.11/dcn/20/11-20-0814-00-000m-proposed-resolutions-to-cids-4145-4146-and-4147.docx>
4. <https://mentor.ieee.org/802.11/dcn/16/11-16-0276-15-000m-resolutions-for-some-comments-on-11mc-d5-0-sbmc1.docx>
5. <https://mentor.ieee.org/802.11/dcn/20/11-20-0150-12-000m-assorted-crs-revmd-draft-3-0.docx>
6. <https://mentor.ieee.org/802.11/dcn/20/11-20-0367-03-000m-resolution-of-cid-4444.docx>
7. <https://mentor.ieee.org/802.11/dcn/20/11-20-0650-01-000m-cids-4438-4439-delete-ht-delayed-block-ack.docx>
8. <https://mentor.ieee.org/802.11/dcn/19/11-19-1562-08-000m-all-sta-crs-mcs-negotiation.docx>
9. <https://mentor.ieee.org/802.11/dcn/19/11-19-1562-09-000m-all-sta-crs-mcs-negotiation.docx>