IEEE P802.11  
Wireless LANs

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| TGbe Spec Text Volunteers and Status | | | | | |
| Date: 2021-01-15 | | | | | |
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Abstract

This document contains a table with the spec text volunteers and status updates for TGbe D0.1, D0.2, D0.3, and D0.4.

Revision History:

* Rev 0: Initial version of the document.
* Rev 1: Removed selected rows that had no motions (~~removal~~)
* Rev 2: Updated with received requests after the call for volunteers, incorporating modifications suggested by members to the subdivision of the topics.
* Rev 3: More updates. Highlighted in yellow rows that do not have POCs and in blue rows that have multiple POCs.
* Rev 4: More updates based on received feedback (members, and ad-hoc chairs). Also added some early R1/R2 classifications to be discussed during the Joint call and added guideline for categorizing R1 vs R2.
* Rev 5: More updates, including narrowing down POCs for certain rows for which did not receive e-mails prior to Monday 9:00am ET deadline. POCs for each row are requested to provide a list of motions that correspond to assigned row.
* Rev 6-7: More updates
* Rev 8: More updates, including the inputs from the MAC ad-hoc.
* Rev 9: Updates prior to (added two TTT members) and during the Joint call of July 30th.
* Rev 10-15: More updates
* Rev 16: More updates based on the discussion during the Joint call of August 20th.
* Rev 17: More updates including the status of the PDT text
* Rev 18-26: More updates
* Rev 27: More updates including the status of selected PDT texts, TTT assignment, and motions for selected TTTs.
* Rev 28: More updates including the status of selected PDT texts, and motions for selected TTTs.
* Rev 29: More updates on the status of selected PDT texts
* Rev 30: More updates including additional TTTs, and the confirmation on R1/R2 on selected TTTs
* Rev 31: More updates including an addition of a new TTT, an update on the name of an existing TTT, status of selected PDT texts, and motions for selected TTTs.
* Rev 32: More updates including an addition of another new TTT, and status of selected PDT texts.
* Rev 33-34: More updates including the status of selected PDT texts and TTT assignment.
* Rev 35: More update including an addition of a new TTT, the status of selected PDT texts and TTT assignment.
* Rev 36: More updates
* Rev 37-38: More updates including the status of selected PDT texts and TTT assignment.
* Rev 39-85: More updates
* NOTE: The green text in MAC means that the ad-hoc has agreed on the R1/R2 status.

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| **Unassigned motions (up to the joint call on August 20, 2020)** |
| PHY (12):  Motion 112, #SP48 (R2),  Motion 122, #SP138, Motion 122, #SP139, Motion 122, #SP140, Motion 122, #SP141, Motion 122, #SP142, Motion 122, #SP146,  Motion 122, #SP150, Motion 122, #SP151, Motion 122, #SP156  Multi-AP operation (9):  Motion 53, Motion 56, Motion 60, Motion 72, Motion 73, Motion 111, #SP0611-33, Motion 111, #SP0611-34, Motion 119, #SP113,  Motion 119, #SP114 |

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| **Unassigned motions from September 2020** |
| **September 3, 2020**  Motion 124, #SP172, Motion 124, #SP173, Motion 124, #SP174, Motion 124, #SP176, Motion 124, #SP177, Motion 124, #SP178, Motion 124, #SP179, Motion 124, #SP182, Motion 124, #SP183, Motion 124, #SP184, Motion 124, #SP188, Motion 124, #SP189  **September 17, 2020**  Motion 131, #SP194, Motion 131, #SP201, Motion 131, #SP208, Motion 131, #SP209  **October 29, 2020**  Motion 135, #SP211, Motion 135, #SP212, Motion 135, #SP213, Motion 135, #SP214, Motion 135, #SP216, Motion 135, #SP217, Motion 135, #SP219, Motion 135, #SP221, Motion 135, #SP222, Motion 135, #SP223, Motion 135, #SP224, Motion 135, #SP226, Motion 135, #SP227, Motion 135, #SP228, Motion 135, #SP229, Motion 135, #SP230, Motion 135, #SP231, Motion 135, #SP232, Motion 135, #SP233, Motion 135, #SP234, Motion 135, #SP235, Motion 135, #SP236, Motion 135, #SP237, Motion 135, #SP238, Motion 135, #SP239  **November 4, 2020**  Motion 137, #SP251, Motion 137, #SP252, Motion 137, #SP253, Motion 137, #SP254, Motion 137, #SP255, Motion 137, #SP256, Motion 137, #SP257, Motion 137, #SP258, Motion 137, #SP259, Motion 137, #SP262, Motion 137, #SP263, Motion 137, #SP264, Motion 137, #SP265, Motion 137, #SP268, Motion 137, #SP269, Motion 137, #SP282, Motion 137, #SP285, Motion 137, #SP286, Motion 137, #SP287, Motion 137, #SP288, Motion 137, #SP289, Motion 137, #SP290, Motion 137, #SP291, Motion 137, #SP292,  Motion 139, #SP175,  Motion 141, #SP260, Motion 141, #SP261  **November 9, 2020**  Motion 142, #SP296, Motion 142, #SP297, Motion 142, #SP298, Motion 142, #SP299, Motion 142, #SP302, Motion 142, #SP306  **December 2, 2020**  Motion 144, #SP317, Motion 144, #SP318, Motion 144, #SP319, Motion 144, #SP320, Motion 144, #SP321, Motion 144, #SP322, Motion 144, #SP323, Motion 144, #SP324, Motion 144, #SP325, Motion 144, #SP326, Motion 144, #SP328, Motion 144, #SP331,Motion 144, #SP332  **January 6, 2021**  Motion 146, #SP334, Motion 146, #SP335, Motion 146, #SP338, Motion 146, #SP339, Motion 146, #SP340, Motion 146, #SP341, Motion 146, #SP342, Motion 146, #SP343, Motion 146, #SP346, Motion 146, #SP347, Motion 146, #SP348, Motion 146, #SP349, Motion 146, #SP350, Motion 146, #SP351, Motion 146, #SP352, Motion 146, #SP354,  Motion 148, #SP345  **January 14, 2021**  Motion 150, #SP355, Motion 150, #SP356, Motion 150, #SP357, Motion 150, #SP358, Motion 150, #SP359, Motion 150, #SP360, Motion 150, #SP361,  Motion 150, #SP362, Motion 150, #SP363, Motion 150, #SP364, Motion 150, #SP365, Motion 150, #SP366, Motion 150, #SP367, Motion 150, #SP368,  Motion 150, #SP369, Motion 150, #SP370, Motion 150, #SP371, Motion 150, #SP374, Motion 150, #SP379, Motion 150, #SP380, Motion 150, #SP381, Motion 150, #SP382, Motion 150, #SP383, Motion 150, #SP384 |

| **Layer** | **SFD Topic** | **POC** | **TTT** | **R1/R2** | | **Status (following EDT for the date of the uploaded document)** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| PHY | Introduction to the EHT PHY | Bin Tian | Bo Sun, Youhan Kim | Basics (R1) | | Uploaded:  PDT text:  [20/1307r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1307-00-00be-pdt-phy-introduction-to-eht-phy.docx), 09/11/2020  [20/1307r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1307-01-00be-pdt-phy-introduction-to-eht-phy.docx), 09/15/2020  [20/1307r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1307-02-00be-pdt-phy-introduction-to-eht-phy.docx), 09/21/2020  [20/1307r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1307-03-00be-pdt-phy-introduction-to-eht-phy.docx), 09/22/2020  [20/1307r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1307-04-00be-pdt-phy-introduction-to-eht-phy.docx), 09/22/2020  TBD text:  [20/1584r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1584-00-00be-resolving-tbd-in-section-36-1.docx), 10/07/2020  [20/1783r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1783-00-00be-update-on-pdt-phy-introduction-to-eht-phy.docx), 11/09/2020  [20/1783r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1783-01-00be-update-on-pdt-phy-introduction-to-eht-phy.docx), 11/12/2020  [20/1783r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1783-02-00be-update-on-pdt-phy-introduction-to-eht-phy.docx), 11/16/2020  [20/1783r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1783-03-00be-update-on-pdt-phy-introduction-to-eht-phy.docx), 11/18/2020  [20/1963r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1963-00-00be-resolve-some-phy-tbds-in-d0-2.docx), 12/14/2020  [20/1963r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1963-01-00be-resolve-some-phy-tbds-in-d0-2.docx), 01/05/2021  Presented:  PDT text:  [20/1307r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1307-01-00be-pdt-phy-introduction-to-eht-phy.docx), 09/21/2020  [20/1307r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1307-04-00be-pdt-phy-introduction-to-eht-phy.docx), 09/24/2020  TBD text:  [20/1783r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1783-01-00be-update-on-pdt-phy-introduction-to-eht-phy.docx), 11/16/2020  [20/1783r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1783-03-00be-update-on-pdt-phy-introduction-to-eht-phy.docx), 11/18/2020  [20/1963r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1963-00-00be-resolve-some-phy-tbds-in-d0-2.docx), 01/04/2021  [20/1963r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1963-01-00be-resolve-some-phy-tbds-in-d0-2.docx), 01/11/2021  Straw Polled:  PDT text:  [20/1307r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1307-02-00be-pdt-phy-introduction-to-eht-phy.docx), 09/21/2020  (SP result: No objection)  [20/1307r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1307-04-00be-pdt-phy-introduction-to-eht-phy.docx), 09/24/2020  (SP result: No objection)  TBD text:  [20/1783r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1783-02-00be-update-on-pdt-phy-introduction-to-eht-phy.docx), 11/16/2020  (SP result: 34Y, 0N, 4A)  [20/1783r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1783-03-00be-update-on-pdt-phy-introduction-to-eht-phy.docx), 11/18/2020  (SP result: No objection)  [20/1963r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1963-01-00be-resolve-some-phy-tbds-in-d0-2.docx), 01/11/2021  (SP result: No objection) | Motion 115 #SP75 Motion 112 #SP13 Motion 112 #SP12  Motion 74  Motion 75  Motion 10  Motion 131, #SP195  Motion 137, #SP278  Motion 137, #SP279  Motion 137, #SP280  Motion 137, #SP281  Motion 124, #SP181  Motion 137, #SP284  Motion 137, #SP283  Motion 135, #SP215  Motion 137, #SP271  Motion 137, #SP272  Motion 137, #SP270  Motion 124, #SP180 |
| PHY | Scope and EHT PHY functions | Youhan Kim | Bo Sun, Youhan Kim | Basics (R1) | | Uploaded:  [20/1293r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1293-00-00be-pdt-phy-scope-and-eht-phy-functions.docx), 08/25/2020  [20/1293r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1293-01-00be-pdt-phy-scope-and-eht-phy-functions.docx), 08/25/2020  Presented:  [20/1293r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1293-01-00be-pdt-phy-scope-and-eht-phy-functions.docx), 08/27/2020  Straw Polled:  [20/1293r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1293-01-00be-pdt-phy-scope-and-eht-phy-functions.docx), 09/10/2020  (SP result: No objection) | No motion |
| PHY | TXVECTOR and RXVECTOR parameters | Bo Sun | Bo Sun, Youhan Kim | Basics (R1) | | Uploaded:  [20/1403r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1403-00-00be-pdt-phy-txvector-rxvector-trigvector-config-vector.doc), 09/06/2020  [20/1403r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1403-01-00be-pdt-phy-txvector-rxvector-trigvector-config-vector.doc), 09/10/2020  [20/1403r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1403-02-00be-pdt-phy-txvector-rxvector-trigvector-config-vector.doc), 09/14/2020  [20/1403r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1403-03-00be-pdt-phy-txvector-rxvector-trigvector-config-vector.doc), 09/14/2020  [20/1403r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1403-04-00be-pdt-phy-txvector-rxvector-trigvector-config-vector.doc), 09/21/2020  Presented:  [20/1403r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1403-03-00be-pdt-phy-txvector-rxvector-trigvector-config-vector.doc), 09/21/2020  Straw Polled:  [20/1403r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1403-04-00be-pdt-phy-txvector-rxvector-trigvector-config-vector.doc), 09/21/2020  (SP result: No objection) | Related to most PHY motions |
| PHY | Effect of CH\_BANDWIDTH parameter on PPDU format | Yujin Noh |  | R1 | | Uploaded:  Presented:  Straw Polled: |  |
| PHY | Support for non-HT, HT, VHT, and HE formats | Bo Sun | Bo Sun, Youhan Kim | Basics (R1) | | Uploaded:  [20/1404r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1404-00-00be-pdt-phy-support-for-non-ht-ht-vht-he-format-and-regulatory.doc), 09/06/2020  [20/1404r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1404-01-00be-pdt-phy-support-for-non-ht-ht-vht-he-format-and-regulatory.doc), 09/10/2020  [20/1404r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1404-02-00be-pdt-phy-support-for-non-ht-ht-vht-he-format-and-regulatory.doc), 09/14/2020  Presented:  [20/1404r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1404-02-00be-pdt-phy-support-for-non-ht-ht-vht-he-format-and-regulatory.doc), 09/21/2020  Straw Polled:  [20/1404r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1404-02-00be-pdt-phy-support-for-non-ht-ht-vht-he-format-and-regulatory.doc), 09/21/2020  (SP result: No objection | No motion |
| PHY | PPDU formats (The FORMAT parameters) | Dongguk Lim | Ross Yu, Rui Yang | R1 | | Uploaded:  [20/1726r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1726-00-00be-pdt-phy-ppdu-formats-for-clause-36-1-4.docx), 11/02/2020  Presented:  [20/1726r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1726-00-00be-pdt-phy-ppdu-formats-for-clause-36-1-4.docx), 11/02/2020  Straw Polled:  [20/1726r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1726-00-00be-pdt-phy-ppdu-formats-for-clause-36-1-4.docx), 11/02/2020  (SP result: No objection |  |
| PHY | Subcarriers and Resource Allocation- Wideband and noncontiguous spectrum utilization | Yan Xin | Eunsung Park, Wook Bong Lee, Bin Tian, Bo Sun,  Dandan Liang, Youhan Kim  Shimi Shilo, | All but one (see next column) are R1 | | Uploaded:  PDT text:  [20/1314r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1314-00-00be-draft-text-for-wideband-and-noncontiguous-spectrum-utilization.docx), 08/25/2020  [20/1371r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1371-00-00be-pdt-phy-subcarriers-and-resource-allocation-for-wideband.docx), 08/31/2020  [20/1371r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1371-01-00be-pdt-phy-subcarriers-and-resource-allocation-for-wideband.docx), 09/10/2020  [20/1371r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1371-02-00be-pdt-phy-subcarriers-and-resource-allocation-for-wideband.docx), 09/10/2020  [20/1371r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1371-03-00be-pdt-phy-subcarriers-and-resource-allocation-for-wideband.docx), 09/10/2020  [20/1371r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1371-04-00be-pdt-phy-subcarriers-and-resource-allocation-for-wideband.docx), 09/14/2020  TBD text:  [20/1888r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1888-00-00be-pdt-phy-removing-non-contiguous-ppdu.docx), 11/19/2020  [20/1888r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1888-01-00be-pdt-phy-removing-non-contiguous-ppdu.docx), 11/19/2020  [20/1888r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1888-02-00be-pdt-phy-removing-non-contiguous-ppdu.docx), 11/19/2020  Presented:  PDT text:  [20/1314r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1314-00-00be-draft-text-for-wideband-and-noncontiguous-spectrum-utilization.docx), 08/27/2020  [20/1371r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1371-00-00be-pdt-phy-subcarriers-and-resource-allocation-for-wideband.docx), 08/31/2020  [20/1371r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1371-03-00be-pdt-phy-subcarriers-and-resource-allocation-for-wideband.docx), 09/10/2020  [20/1371r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1371-04-00be-pdt-phy-subcarriers-and-resource-allocation-for-wideband.docx), 09/14/2020  TBD text:  [20/1888r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1888-02-00be-pdt-phy-removing-non-contiguous-ppdu.docx), 11/19/2020  Straw Polled:  PDT text:  [20/1371r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1371-04-00be-pdt-phy-subcarriers-and-resource-allocation-for-wideband.docx), 09/14/2020  (SP result: No objection)  TBD text:  [20/1888r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1888-02-00be-pdt-phy-removing-non-contiguous-ppdu.docx), 11/19/2020  (SP result: No objection) | Motion 11  Motion 18  Motion 19  Motion 33  Motion 34  Motion 35  Motion 112, #SP42  Motion 118 |
| PHY | Subcarriers and Resource Allocation-Support for large bandwidth | Uploaded:  [20/1315r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1315-00-00be-draft-text-for-support-for-large-bandwidth.docx), 08/25/2020  [20/1315r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1315-01-00be-draft-text-for-support-for-large-bandwidth.docx), 08/31/2020  [20/1315r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1315-02-00be-draft-text-for-support-for-large-bandwidth.docx), 09/13/2020  [20/1315r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1315-03-00be-draft-text-for-support-for-large-bandwidth.docx), 09/14/2020  [20/1315r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1315-04-00be-draft-text-for-support-for-large-bandwidth.docx), 09/14/2020  [20/1315r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1315-05-00be-draft-text-for-support-for-large-bandwidth.docx), 09/17/2020  [20/1315r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1315-06-00be-draft-text-for-support-for-large-bandwidth.docx), 09/20/2020  Presented:  [20/1315r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1315-01-00be-draft-text-for-support-for-large-bandwidth.docx), 08/31/2020  [20/1315r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1315-04-00be-draft-text-for-support-for-large-bandwidth.docx), 09/14/2020  [20/1315r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1315-06-00be-draft-text-for-support-for-large-bandwidth.docx), 09/21/2020  Straw Polled:  [20/1315r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1315-06-00be-draft-text-for-support-for-large-bandwidth.docx), 09/20/2020  (SP result: No objection) | Motion 115, #SP75 |
| ~~PHY~~ | ~~Subcarriers and Resource Allocation -Single RU~~ | ~~Uploaded:~~  [~~20/1316r0~~](https://mentor.ieee.org/802.11/dcn/20/11-20-1316-00-00be-draft-text-for-subcarriers-and-resource-allocation-for-single-ru.docx)~~, 08/25/2020~~  [~~20/1316r1~~](https://mentor.ieee.org/802.11/dcn/20/11-20-1316-01-00be-draft-text-for-subcarriers-and-resource-allocation-for-single-ru.docx)~~, 08/31/2020~~  ~~Presented:~~  [~~20/1316r1~~](https://mentor.ieee.org/802.11/dcn/20/11-20-1316-01-00be-draft-text-for-subcarriers-and-resource-allocation-for-single-ru.docx)~~, 08/31/2020~~  ~~Straw Polled:~~ | ~~Motion 112, #SP13~~ |
| PHY | Subcarriers and Resource Allocation -Multiple RU | Jianhan Liu | Eunsung Park, Bin Tian, Srinath Puducheri, Bo Sun, Myeongjin Kim, Youhan Kim, Oded Redlich | R1 | | Uploaded:  PDT text:  [20/1447r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1447-00-00be-pdt-subcarriers-and-resource-allocation-for-multiple-rus.docx), 09/10/2020  [20/1447r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1447-01-00be-pdt-subcarriers-and-resource-allocation-for-multiple-rus.docx), 09/11/2020  [20/1447r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1447-02-00be-pdt-subcarriers-and-resource-allocation-for-multiple-rus.docx), 09/17/2020  [20/1447r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1447-03-00be-pdt-subcarriers-and-resource-allocation-for-multiple-rus.docx), 09/18/2020  [20/1447r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1447-04-00be-pdt-subcarriers-and-resource-allocation-for-multiple-rus.docx), 09/20/2020  [20/1447r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1447-05-00be-pdt-subcarriers-and-resource-allocation-for-multiple-rus.docx), 09/21/2020  [20/1447r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1447-06-00be-pdt-subcarriers-and-resource-allocation-for-multiple-rus.docx), 09/21/2020  TBD text:  [21/0104r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0104-00-00be-subcarriers-and-resource-allocation-for-multiple-rus-update.docx), 01/14/2020  Presented:  PDT text:  [20/1447r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1447-05-00be-pdt-subcarriers-and-resource-allocation-for-multiple-rus.docx), 09/21/2020  TBD text:  Straw Polled:  PDT text:  [20/1447r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1447-06-00be-pdt-subcarriers-and-resource-allocation-for-multiple-rus.docx), 09/21/2020  (SP result: No objection)  TBD text: | Motion 6  Motion 76  Motion 91  Motion 69  Motion 78  Motion 79  Motion 80  Motion 118  Motion 81  Motion 112, #SP21  Motion 87  Motion 86  Motion 97  Motion 98  Motion 115, #SP71  Motion 115, #SP73  Motion 115, #SP74  Motion 115, #SP72  Motion 93  Motion 94  Motion 95  Motion 96  Motion 144, #SP312  Motion 144, #SP313  Motion 144, #SP314  Motion 144, #SP315  Motion 144, #SP316  Motion 144, #SP333 |
| PHY | RU/MRU restrictions for 20 MHz operation | Eunsung Park | Steve Shellhammer | R1 | | Uploaded:  [20/1803r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1803-00-00be-pdt-phy-ru-mru-restrictions-for-20-mhz-operation.docx), 11/08/2020  [20/1803r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1803-01-00be-pdt-phy-ru-mru-restrictions-for-20-mhz-operation.docx), 11/16/2020  [20/1803r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1803-02-00be-pdt-phy-ru-mru-restrictions-for-20-mhz-operation.docx), 11/18/2020  [20/1803r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1803-03-00be-pdt-phy-ru-mru-restrictions-for-20-mhz-operation.docx), 11/19/2020  Presented:  [20/1803r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1803-01-00be-pdt-phy-ru-mru-restrictions-for-20-mhz-operation.docx), 11/16/2020  [20/1803r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1803-02-00be-pdt-phy-ru-mru-restrictions-for-20-mhz-operation.docx), 11/19/2020  [20/1803r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1803-03-00be-pdt-phy-ru-mru-restrictions-for-20-mhz-operation.docx), 11/19/2020  Straw Polled:  [20/1803r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1803-03-00be-pdt-phy-ru-mru-restrictions-for-20-mhz-operation.docx), 11/19/2020  (SP result: No objection) | Motion 137, #SP270  Motion 137, #SP271  Motion 137, #SP272 |
| PHY | MU MIMO | Sameer Vermani | Sameer Vermani, Bo Sun, Youhan Kim, Dandan Liang, Junghoon Suh, Aiguo Yan | Basics (R1) | | Uploaded:  PDT text:  [20/1160r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1160-00-00be-pdt-phy-mu-mimo.docx), 08/25/2020  [20/1160r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1160-01-00be-pdt-phy-mu-mimo.docx), 08/27/2020  [20/1160r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1160-02-00be-pdt-phy-mu-mimo.docx), 09/02/2020  [20/1160r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1160-03-00be-pdt-phy-mu-mimo.docx), 09/02/2020  [20/1160r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1160-04-00be-pdt-phy-mu-mimo.docx), 09/08/2020  [20/1160r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1160-05-00be-pdt-phy-mu-mimo.docx), 09/17/2020  [20/1160r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1160-06-00be-pdt-phy-mu-mimo.docx), 09/24/2020  TBD text:  [20/1865r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1865-00-00be-pdt-phy-update-to-mu-mimo.docx), 11/16/2020  [20/1865r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1865-01-00be-pdt-phy-update-to-mu-mimo.docx), 11/18/2020  [20/1865r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1865-02-00be-pdt-phy-update-to-mu-mimo.docx), 11/18/2020  Presented:  PDT text:  [20/1160r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1160-01-00be-pdt-phy-mu-mimo.docx), 08/31/2020  [20/1160r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1160-04-00be-pdt-phy-mu-mimo.docx), 09/10/2020  TBD text:  [20/1865r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1865-02-00be-pdt-phy-update-to-mu-mimo.docx), 11/18/2020  Straw Polled:  PDT text:  [20/1160r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1160-04-00be-pdt-phy-mu-mimo.docx), 09/10/2020  (SP result: No objection)  [20/1160r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1160-06-00be-pdt-phy-mu-mimo.docx), 09/24/2020  (SP result: No objection)  TBD text:  [20/1865r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1865-02-00be-pdt-phy-update-to-mu-mimo.docx), 11/18/2020  (SP result: No objection) | Motion 65.  Motion 111, #SP0611-20  Motion 112, #SP15  Motion 112, #SP44  Motion 112, #SP47 |
| PHY | EHT PPDU formats | Dongguk Lim | Bo Sun, Rui Yang, Youhan Kim, Lei Huang | Basics (R1) | | Uploaded:  PDT text:  [20/1327r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1327-00-00be-pdt-eht-ppdu-format.docx), 08/26/2020  [20/1327r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1327-01-00be-pdt-eht-ppdu-format.docx), 09/01/2020  TBD text:  [20/1883r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1883-00-00be-pdt-eht-ppdu-format-update.docx), 11/19/2020  [20/1883r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1883-01-00be-pdt-eht-ppdu-format-update.docx), 11/19/2020  Presented:  PDT text:  [20/1327r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1327-00-00be-pdt-eht-ppdu-format.docx), 08/31/2020  TBD text:  [20/1883r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1883-01-00be-pdt-eht-ppdu-format-update.docx), 11/19/2020  Straw Polled:  PDT text:  [20/1327r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1327-01-00be-pdt-eht-ppdu-format.docx), 09/01/2020  (SP result: No objection)  TBD text:  [20/1883r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1883-01-00be-pdt-eht-ppdu-format-update.docx), 11/19/2020  (SP result: No objection) | Motion 111, #SP0611-08  Motion 111, #SP0611-09  Motion 112, #SP39 |
| PHY | Transmitter block diagram | Xiaogang Chen | Bo Sun, Rui Yang, Youhan Kim | Basics (R1) | | Uploaded:  PDT text:  [20/1479r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1479-00-00be-pdt-phy-t-block.docx), 09/15/2020  [20/1479r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1479-01-00be-pdt-phy-t-block.docx), 09/24/2020  [20/1479r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1479-02-00be-pdt-phy-t-block.docx), 09/24/2020  TBD text:  [20/1479r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1479-03-00be-pdt-phy-t-block.docx), 11/13/2020  [20/1479r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1479-04-00be-pdt-phy-t-block.docx), 11/19/2020  Presented:  PDT text:  [20/1479r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1479-01-00be-pdt-phy-t-block.docx), 09/24/2020  TBD text:  [20/1479r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1479-03-00be-pdt-phy-t-block.docx), 11/18/2020  Straw Polled:  PDT text:  [20/1479r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1479-02-00be-pdt-phy-t-block.docx), 09/24/2020  (SP result: No objection)  TBD text:  [20/1479r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1479-04-00be-pdt-phy-t-block.docx), 11/19/2020  (SP result: No objection) | No motion |
| PHY | Overview of the PPDU encoding process | Youhan Kim | Bo Sun, Youhan Kim | Basics (R1) | | Uploaded:  PDT text:  [20/1295r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1295-00-00be-pdt-phy-overview-of-the-ppdu-enconding-process.docx), 08/25/2020  [20/1295r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1295-01-00be-pdt-phy-overview-of-the-ppdu-enconding-process.docx), 08/25/2020  TBD text:  [20/1882r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1882-00-00be-pdt-phy-overview-of-the-ppdu-enconding-process.docx), 11/19/2020  [20/1882r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1882-01-00be-pdt-phy-overview-of-the-ppdu-enconding-process.docx), 11/19/2020  [20/1882r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1882-02-00be-pdt-phy-overview-of-the-ppdu-enconding-process.docx), 11/19/2020  [20/1882r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1882-03-00be-pdt-phy-overview-of-the-ppdu-enconding-process.docx), 11/19/2020  Presented:  PDT text:  [20/1295r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1295-01-00be-pdt-phy-overview-of-the-ppdu-enconding-process.docx), 08/27/2020  TBD text:  [20/1882r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1882-02-00be-pdt-phy-overview-of-the-ppdu-enconding-process.docx), 11/19/2020  Straw Polled:  PDT text:  [20/1295r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1295-01-00be-pdt-phy-overview-of-the-ppdu-enconding-process.docx), 09/10/2020  (SP result: No objection)  TBD text:  [20/1882r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1882-03-00be-pdt-phy-overview-of-the-ppdu-enconding-process.docx), 11/19/2020  (SP result: No objection) | No motion |
| PHY | EHT Modulation and coding schemes (EHT-MCSs) | Rethna Pulikkoonattu | Bo Sun, Ruchen Duan, Youhan Kim | Basics (R1) | | Uploaded:  [20/1338r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1338-00-00be-pdt-phy-eht-modulation-and-coding-eht-mcss.docx), 08/27/2020  [20/1338r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1338-01-00be-pdt-phy-eht-modulation-and-coding-eht-mcss.docx), 08/27/2020  [20/1338r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1338-02-00be-pdt-phy-eht-modulation-and-coding-eht-mcss.docx), 08/27/2020  [20/1338r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1338-03-00be-pdt-phy-eht-modulation-and-coding-eht-mcss.docx), 08/27/2020  [20/1338r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1338-04-00be-pdt-phy-eht-modulation-and-coding-eht-mcss.docx), 08/27/2020  [20/1338r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1338-05-00be-pdt-phy-eht-modulation-and-coding-eht-mcss.docx), 09/10/2020  [20/1338r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1338-06-00be-pdt-phy-eht-modulation-and-coding-eht-mcss.docx), 09/14/2020  Presented:  [20/1338r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1338-05-00be-pdt-phy-eht-modulation-and-coding-eht-mcss.docx), 09/14/2020  Straw Polled:  [20/1338r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1338-06-00be-pdt-phy-eht-modulation-and-coding-eht-mcss.docx), 09/14/2020  (SP result: No objection) | Motion 111, #SP0611-21  Motion 112, #SP147 |
| PHY | Timing-related parameters | Bin Tian | Bo Sun, Youhan Kim, Yan Zhang, Shimi Shilo | R1 | | Uploaded:  [20/1153r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1153-00-00be-pdt-phy-timing-related-parameters.docx), 07/29/2020.  [20/1153r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1153-01-00be-pdt-phy-timing-related-parameters.docx), 08/24/2020  [20/1153r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1153-02-00be-pdt-phy-timing-related-parameters.docx), 08/28/2020  [20/1153r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1153-03-00be-pdt-phy-timing-related-parameters.docx), 09/10/2020  Presented:  [20/1153r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1153-01-00be-pdt-phy-timing-related-parameters.docx), 08/27/2020  [20/1153r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1153-03-00be-pdt-phy-timing-related-parameters.docx), 09/10/2020  Straw Polled:  [20/1153r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1153-03-00be-pdt-phy-timing-related-parameters.docx), 09/10/2020  (SP result: No objection) | No motion |
| PHY | Mathematical description of signals | Yan Zhang | Bo Sun, Ruchen Duan, Youhan Kim | Basics (R1) | | Uploaded:  PDT text:  [20/1337r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1337-00-00be-pdt-phy-mathematical-description-of-signals.docx), 08/27/2020  [20/1337r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1337-01-00be-pdt-phy-mathematical-description-of-signals.docx), 08/30/2020  [20/1337r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1337-02-00be-pdt-phy-mathematical-description-of-signals.docx), 09/10/2020  [20/1337r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1337-03-00be-pdt-phy-mathematical-description-of-signals.docx), 09/14/2020  TBD text:  [20/1337r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1337-04-00be-pdt-phy-mathematical-description-of-signals.docx), 12/03/2020  [20/1337r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1337-05-00be-pdt-phy-mathematical-description-of-signals.docx), 12/04/2020  [20/1337r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1337-06-00be-pdt-phy-mathematical-description-of-signals.docx), 12/07/2020  [20/1337r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1337-07-00be-pdt-phy-mathematical-description-of-signals.docx), 12/18/2020  [20/1337r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1337-08-00be-pdt-phy-mathematical-description-of-signals.docx), 01/04/2021  [20/1337r9](https://mentor.ieee.org/802.11/dcn/20/11-20-1337-09-00be-pdt-phy-mathematical-description-of-signals.rtf), 01/04/2021  Phase Noise:  [20/1958r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1958-00-00be-pdt-phy-phase-noise-per-160mhz.docx). 12/11/2020  [20/1958r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1958-01-00be-pdt-phy-phase-noise-per-160mhz.docx), 12/14/2020  Presented:  PDT text:  [20/1337r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1337-02-00be-pdt-phy-mathematical-description-of-signals.docx), 09/14/2020  TBD text: [20/1337r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1337-05-00be-pdt-phy-mathematical-description-of-signals.docx), 12/07/2020  [20/1958r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1958-01-00be-pdt-phy-phase-noise-per-160mhz.docx), 12/14/2020  [20/1337r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1337-08-00be-pdt-phy-mathematical-description-of-signals.docx), 01/04/2021  [20/1337r9](https://mentor.ieee.org/802.11/dcn/20/11-20-1337-09-00be-pdt-phy-mathematical-description-of-signals.rtf), 01/04/2021  Straw Polled:  PDT text:  [20/1337r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1337-03-00be-pdt-phy-mathematical-description-of-signals.docx), 09/14/2020  (SP result: No objection)  TBD text:  [20/1337r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1337-06-00be-pdt-phy-mathematical-description-of-signals.docx), 12/07/2020  (SP result: No objection)  [20/1337r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1337-08-00be-pdt-phy-mathematical-description-of-signals.docx), 01/04/2021  (SP result: No objection)  [20/1337r9](https://mentor.ieee.org/802.11/dcn/20/11-20-1337-09-00be-pdt-phy-mathematical-description-of-signals.rtf), 01/04/2021  (SP result: No objection) | Motion 41, Phase rotation  Motion 112, #SP30, Phase rotation  Motion 115 #SP 81, Phase rotation  Motion 112, #SP 31, Phase rotation  Motion 111, #SP 0611-08, EHT PPDU format  Motion 111, SP0611-09, EHT PPDU format  Motion 112, #SP39, EHT PPDU format  Motion 150, #SP344 |
| PHY | EHT preamble-Cyclic shift for pre-EHT and EHT modulated fields | Wook Bong Lee | Lin Yang, Chenchen Liu, Jinyoung Chun | R1 (smaller than or equal to 8 streams) | | Uploaded:  [20/1796r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1796-00-00be-pdt-phy-cyclic-shift.docx), 11/05/2020  [20/1796r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1796-01-00be-pdt-phy-cyclic-shift.docx), 11/06/2020  [20/1796r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1796-02-00be-pdt-phy-cyclic-shift.docx), 11/12/2020  [20/1796r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1796-03-00be-pdt-phy-cyclic-shift.docx), 11/16/2020  Presented:  [20/1796r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1796-01-00be-pdt-phy-cyclic-shift.docx), 11/12/2020  [20/1796r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1796-03-00be-pdt-phy-cyclic-shift.docx), 11/18/2020  Straw Polled:  [20/1796r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1796-02-00be-pdt-phy-cyclic-shift.docx), 11/12/2020  (SP result: 37Y, 0N, 3A)  [20/1796r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1796-03-00be-pdt-phy-cyclic-shift.docx), 11/18/2020  (SP result: No objection) | No motion |
| PHY | EHT preamble-L-STF, L-LTF, L-SIG, and RL-SIG | Dongguk Lim | Eunsung Park, Bo Sun, Youhan Kim | Basics (R1) | | Uploaded:  PDT text:  [20/1329r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1329-00-00be-pdt-eht-preamble-l-stf-l-ltf-l-sig-and-rl-sig.docx), 08/26/2020  [20/1329r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1329-01-00be-pdt-eht-preamble-l-stf-l-ltf-l-sig-and-rl-sig.docx), 09/03/2020  [20/1329r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1329-02-00be-pdt-eht-preamble-l-stf-l-ltf-l-sig-and-rl-sig.docx), 09/10/2020  TBD text:  [20/1885r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1885-00-00be-pdt-eht-preamble-l-stf-l-ltf-and-l-sig-update.docx), 11/19/2020  [21/0002r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0002-00-00be-pdt-phy-eht-preamble-l-stf-l-ltf-l-sig-and-rl-sig-update.docx), 01/03/2021  [21/0002r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0002-01-00be-pdt-phy-eht-preamble-l-stf-l-ltf-l-sig-and-rl-sig-update.docx), 01/04/2021  [21/0002r2](https://mentor.ieee.org/802.11/dcn/21/11-21-0002-02-00be-pdt-phy-eht-preamble-l-stf-l-ltf-l-sig-and-rl-sig-update.docx), 01/04/2021  Presented:  PDT text:  [20/1329r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1329-00-00be-pdt-eht-preamble-l-stf-l-ltf-l-sig-and-rl-sig.docx), 08/31/2020  [20/1329r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1329-01-00be-pdt-eht-preamble-l-stf-l-ltf-l-sig-and-rl-sig.docx), 09/10/2020  [20/1329r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1329-02-00be-pdt-eht-preamble-l-stf-l-ltf-l-sig-and-rl-sig.docx), 09/10/2020  TBD text:  [20/1885r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1885-00-00be-pdt-eht-preamble-l-stf-l-ltf-and-l-sig-update.docx), 11/19/2020  [21/0002r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0002-01-00be-pdt-phy-eht-preamble-l-stf-l-ltf-l-sig-and-rl-sig-update.docx), 01/04/2021  Straw Polled:  PDT text:  [20/1329r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1329-02-00be-pdt-eht-preamble-l-stf-l-ltf-l-sig-and-rl-sig.docx), 09/10/2020  (SP result: No objection)  TBD text:  [20/1885r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1885-00-00be-pdt-eht-preamble-l-stf-l-ltf-and-l-sig-update.docx), 11/19/2020  (SP result: No objection)  [21/0002r2](https://mentor.ieee.org/802.11/dcn/21/11-21-0002-02-00be-pdt-phy-eht-preamble-l-stf-l-ltf-l-sig-and-rl-sig-update.docx), 01/04/2021  (SP result: No objection) | Motion 1  Motion 29  Motion 41  Motion 49  Motion 107  Motion 112, #SP30  Motion 112, #SP31  Motion 115, #SP81 |
| PHY | EHT preamble-U-SIG | Sameer Vermani | Ross Yu, Bo Sun, Lei Huang, Wook Bong Lee, Rui Cao, Bo Sun, Mark Rison, Youhan Kim | Basics (R1) | | Uploaded:  PDT text:  [20/1464r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1464-00-00be-pdt-phy-u-sig.docx), 09/15/2020  [20/1464r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1464-01-00be-pdt-phy-u-sig.docx), 09/24/2020  [20/1464r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1464-02-00be-pdt-phy-u-sig.docx), 09/24/2020  TBD text:  [20/1875r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1875-00-00be-pdt-phy-update-to-preamble-u-sig.docx), 11/18/2020  [20/1875r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1875-01-00be-pdt-phy-update-to-preamble-u-sig.docx), 11/19/2020  [20/1875r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1875-02-00be-pdt-phy-update-to-preamble-u-sig.docx), 11/19/2020  [21/0049r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0049-00-00be-pdt-phy-update-to-preamble-u-sig-for-d0-3.docx), 01/11/2021  [21/0049r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0049-01-00be-pdt-phy-update-to-preamble-u-sig-for-d0-3.docx), 01/11/2021  Presented:  PDT text:  [20/1464r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1464-01-00be-pdt-phy-u-sig.docx), 09/24/2020  TBD text:  [20/1875r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1875-01-00be-pdt-phy-update-to-preamble-u-sig.docx), 11/19/2020  [21/0049r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0049-00-00be-pdt-phy-update-to-preamble-u-sig-for-d0-3.docx), 01/11/2021  Straw Polled:  PDT text:  [20/1464r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1464-02-00be-pdt-phy-u-sig.docx), 09/24/2020  (SP result: No objection)  TBD text:  [20/1875r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1875-02-00be-pdt-phy-update-to-preamble-u-sig.docx), 11/19/2020  (SP result: No objection)  [21/0049r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0049-01-00be-pdt-phy-update-to-preamble-u-sig-for-d0-3.docx), 01/11/2021  (SP result: No objection) | Motion 27  Motion 28  Motion 42  Motion 45  Motion 47  Motion 48  Motion 59  Motion 88  Motion 89  Motion 99  Motion 100  Motion 111, #SP0611-10  Motion 111, #SP0611-11  Motion 111, #SP0611-12  Motion 111, #SP0611-13  Motion 111, #SP0611-14  Motion 111, #SP0611-15  Motion 111, #SP0611-16  Motion 111, #SP0611-18  Motion 112  Motion 113  Motion 17  Motion 122, #SP165 |
| PHY | EHT preamble-EHT-SIG | Ross Yu | Lei Huang, Rui Cao, Bo Sun, Myeongjin Kim, Mark Rison, Dongguk Lim | Basics (R1) | | Uploaded:  PDT text:  [20/1276r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1276-00-00be-pdt-phy-eht-preamble-eht-sig.docx), 08/25/2020  [20/1276r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1276-01-00be-pdt-phy-eht-preamble-eht-sig.docx), 08/28/2020  [20/1276r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1276-02-00be-pdt-phy-eht-preamble-eht-sig.docx), 09/02/2020  [20/1276r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1276-03-00be-pdt-phy-eht-preamble-eht-sig.docx), 09/10/2020  [20/1276r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1276-04-00be-pdt-phy-eht-preamble-eht-sig.docx), 09/10/2020  [20/1276r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1276-05-00be-pdt-phy-eht-preamble-eht-sig.docx), 09/14/2020  [20/1276r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1276-06-00be-pdt-phy-eht-preamble-eht-sig.docx), 09/14/2020  [20/1276r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1276-07-00be-pdt-phy-eht-preamble-eht-sig.docx), 09/14/2020  [20/1276r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1276-08-00be-pdt-phy-eht-preamble-eht-sig.docx), 09/29/2020  TBD text:  [20/1612r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1612-00-00be-pdt-phy-spatial-configuration-table-typo-fixed.docx), 10/10/2020  [20/1612r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1612-01-00be-pdt-phy-spatial-configuration-table-typo-fixed.docx), 10/12/2020  [20/1925r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1925-00-00be-pdt-eht-preamble-eht-sig-follow-up.docx), 12/06/2020  [20/1925r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1925-01-00be-pdt-eht-preamble-eht-sig-follow-up.docx), 12/08/2020  [20/1925r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1925-02-00be-pdt-eht-preamble-eht-sig-follow-up.docx), 12/09/2020  [20/1925r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1925-03-00be-pdt-eht-preamble-eht-sig-follow-up.docx), 12/11/2020  [20/1925r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1925-04-00be-pdt-eht-preamble-eht-sig-follow-up.docx), 12/14/2020  [20/1925r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1925-05-00be-pdt-eht-preamble-eht-sig-follow-up.docx), 12/14/2020  [20/1925r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1925-06-00be-pdt-eht-preamble-eht-sig-follow-up.docx), 12/14/2020  Presented:  PDT text:  [20/1276r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1276-00-00be-pdt-phy-eht-preamble-eht-sig.docx), 08/25/2020  [20/1276r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1276-04-00be-pdt-phy-eht-preamble-eht-sig.docx), 09/10/2020  [20/1276r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1276-06-00be-pdt-phy-eht-preamble-eht-sig.docx), 09/14/2020  TBD text:  [20/1612r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1612-00-00be-pdt-phy-spatial-configuration-table-typo-fixed.docx), 10/10/2020  [20/1925r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1925-00-00be-pdt-eht-preamble-eht-sig-follow-up.docx), 12/07/2020  [20/1925r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1925-05-00be-pdt-eht-preamble-eht-sig-follow-up.docx), 12/14/2020  Straw Polled:  PDT text:  [20/1276r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1276-07-00be-pdt-phy-eht-preamble-eht-sig.docx), 09/14/2020  (SP result: No objection)  TBD text:  [20/1612r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1612-00-00be-pdt-phy-spatial-configuration-table-typo-fixed.docx), 10/12/2020  (SP result: No objection)  [20/1925r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1925-06-00be-pdt-eht-preamble-eht-sig-follow-up.docx), 12/14/2020  (SP result: No objection) | Motion 43  Motion 44  Motion 57  Motion 112, #SP46  Motion 112, #SP45  Motion 112, #SP43  Motion 58  Motion 112, #SP44  Motion 115, #SP57  Motion 115, #SP84  Motion 115, #SP58  Motion 85  Motion 111, #SP0611-17  Motion 111, #SP0611-18  Motion 111, #SP0611-19  Motion 112, #SP1  Motion 100  Motion 99  Motion 111, #SP0611-11  Motion 111, #SP0611-12  Motion 111, #SP0611-14  Motion 111, #SP0611-15  Motion 119, #SP103  Motion 119, #SP104  Motion 119, #SP105  Motion 119, #SP106  Motion 119, #SP107  Motion 119, #SP108  Motion 119, #SP120  Motion 119, #SP122  Motion 119, #SP123  Motion 119, #SP121  Motion 122, #SP131  Motion 122, #SP132  Motion 122, #SP134  Motion 122, #SP135  Motion 122, #SP136  Motion 122, #SP137  Motion 122, #SP164  Motion 122, #SP166  Motion 131, #SP200 |
| PHY | EHT preamble-EHT-STF | Eunsung Park | Dandan Liang, Bo Sun, Youhan Kim | Basics (R1) | | Uploaded:  [20/1260r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1260-00-00be-pdt-phy-eht-stf.docx), 08/20/2020  [20/1260r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1260-01-00be-pdt-phy-eht-stf.docx), 08/25/2020  [20/1260r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1260-02-00be-pdt-phy-eht-stf.docx), 08/27/2020  [20/1260r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1260-03-00be-pdt-phy-eht-stf.docx), 08/30/2020  [20/1260r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1260-04-00be-pdt-phy-eht-stf.docx), 09/10/2020  Presented:  [20/1260r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1260-01-00be-pdt-phy-eht-stf.docx), 08/27/2020  [20/1260r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1260-03-00be-pdt-phy-eht-stf.docx), 09/10/2020  Straw Polled:  [20/1260r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1260-04-00be-pdt-phy-eht-stf.docx), 09/10/2020  (SP result: No objection) | Motion 112, #SP8  Motion 112, #SP9  Motion 112, #SP10  Motion 115, #SP56  Motion 115, #SP82  Motion 115, #SP83 |
| PHY | EHT preamble-EHT-LTF | Chenchen Liu | Bo Sun, Youhan Kim, Jinyoung Chun | Basics (R1) | | Uploaded:  PDT text:  [20/1495r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1495-00-00be-pdt-of-eht-ltf-sequences.docx), 09/16/2020  [20/1495r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1495-01-00be-pdt-of-eht-ltf-sequences.docx), 09/17/2020  [20/1495r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1495-02-00be-pdt-of-eht-ltf-sequences.docx), 09/21/2020  [20/1495r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1495-03-00be-pdt-of-eht-ltf-sequences.docx), 09/24/2020  TBD text:  [20/1495r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1495-04-00be-pdt-of-eht-ltf-sequences.docx), 11/19/2020  [20/1495r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1495-05-00be-pdt-of-eht-ltf-sequences.docx), 11/19/2020  [20/1495r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1495-06-00be-pdt-of-eht-ltf-sequences.docx), 11/19/2020  [21/0114r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0114-00-00be-pdt-updates-on-ltf.docx), 01/15/2021  Presented:  PDT text:  [20/1495r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1495-03-00be-pdt-of-eht-ltf-sequences.docx), 09/24/2020  TBD text:  [20/1495r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1495-05-00be-pdt-of-eht-ltf-sequences.docx), 11/19/2020  Straw Polled:  PDT text:  [20/1495r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1495-03-00be-pdt-of-eht-ltf-sequences.docx), 09/24/2020  (SP result: No objection)  TBD text:  [20/1495r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1495-06-00be-pdt-of-eht-ltf-sequences.docx), 11/19/2020  (SP result: No objection) | Motion 74  Motion 75  Motion 83  Motion 111, #SP0611-20  Motion 112, #SP11  Motion 112, #SP41 |
| PHY | EHT preamble-Preamble puncture | Oded Redlich | Wook Bong Lee, Bo Sun, Youhan Kim | R1 | | Uploaded:  [20/1319r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1319-00-00be-pdt-phy-preamble-puncture.docx), 08/26/2020  [20/1319r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1319-01-00be-pdt-phy-preamble-puncture.docx), 08/27/2020  [20/1319r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1319-02-00be-pdt-phy-preamble-puncture.docx), 09/15/2020  [20/1319r3,](https://mentor.ieee.org/802.11/dcn/20/11-20-1319-03-00be-pdt-phy-preamble-puncture.docx) 09/21/2020  PDT text:  [21/0010r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0010-00-00be-pdt-phy-preamble-puncture-update.docx), 01/07/2021  [21/0010r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0010-01-00be-pdt-phy-preamble-puncture-update.docx), 01/13/2021  Presented:  [20/1319r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1319-02-00be-pdt-phy-preamble-puncture.docx), 09/212020  PDT text:  [21/0010r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0010-00-00be-pdt-phy-preamble-puncture-update.docx), 01/13/2021  Straw Polled:  [20/1319r3,](https://mentor.ieee.org/802.11/dcn/20/11-20-1319-03-00be-pdt-phy-preamble-puncture.docx) 09/21/2020  (SP result: No objection)  PDT text:  [21/0010r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0010-01-00be-pdt-phy-preamble-puncture-update.docx), 01/13/2021  (SP result: No objection) | Motion 30  Motion 31  Motion 90  Motion 111, #SP0611-13  Motion 111, #SP0611-18 |
| PHY | Data field-Scrambler | Chenchen Liu | Bo Sun, Youhan Kim | Basics (R1) | | Uploaded:  [20/1494r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1494-00-00be-pdt-of-eht-phy-data-scrambler-and-descrambler.docx), 09/16/2020  [20/1494r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1494-01-00be-pdt-of-eht-phy-data-scrambler-and-descrambler.docx), 09/17/2020  [20/1494r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1494-02-00be-pdt-of-eht-phy-data-scrambler-and-descrambler.docx), 09/21/2020  [20/1494r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1494-03-00be-pdt-of-eht-phy-data-scrambler-and-descrambler.docx), 09/24/2020  [20/1494r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1494-04-00be-pdt-of-eht-phy-data-scrambler-and-descrambler.docx), 09/28/2020  Presented:  [20/1494r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1494-03-00be-pdt-of-eht-phy-data-scrambler-and-descrambler.docx), 09/24/2020  [20/1494r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1494-03-00be-pdt-of-eht-phy-data-scrambler-and-descrambler.docx), 09/28/2020  Straw Polled:  [20/1494r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1494-04-00be-pdt-of-eht-phy-data-scrambler-and-descrambler.docx), 09/28/2020  (SP result: No objection) | Motion 112, #SP16 |
| PHY | Data field-DUP mode | Jianhan Liu | Srinath Puducheri, Youhan Kim, Yujin Noh, Yan Xin, Eunsung Park, Bo Sun | R1 | | Uploaded:  Presented:  Straw Polled: | Motion 137, #SP250  Motion 137, #SP279  Motion 122, #SP162  Motion 122, #SP163  Motion 122, #SP170  Motion 137, #SP280  Motion 135, #SP210 |
| PHY | Coding | Yan Zhang | Bo Sun, Youhan Kim | Basics (R1) | | Uploaded:  PDT text:  [20/1339r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1339-00-00be-pdt-phy-data-field-coding.docx), 08/30/2020  [20/1339r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1339-01-00be-pdt-phy-data-field-coding.docx), 08/31/2020  [20/1339r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1339-02-00be-pdt-phy-data-field-coding.docx), 09/03/2020  [20/1339r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1339-03-00be-pdt-phy-data-field-coding.docx), 09/07/2020  [20/1339r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1339-04-00be-pdt-phy-data-field-coding.docx), 09/09/2020  [20/1339r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1339-05-00be-pdt-phy-data-field-coding.docx), 09/14/2020  TBD text:  [20/1339r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1339-06-00be-pdt-phy-data-field-coding.docx), 12/03/2020  [20/1339r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1339-07-00be-pdt-phy-data-field-coding.docx), 12/07/2020  [20/1339r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1339-08-00be-pdt-phy-data-field-coding.docx), 12/14/2020  [20/1339r9](https://mentor.ieee.org/802.11/dcn/20/11-20-1339-09-00be-pdt-phy-data-field-coding.docx), 12/18/2020  Presented:  PDT text:  [20/1339r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1339-04-00be-pdt-phy-data-field-coding.docx), 09/14/2020  TBD text:  [20/1339r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1339-06-00be-pdt-phy-data-field-coding.docx), 12/07/2020  [20/1339r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1339-07-00be-pdt-phy-data-field-coding.docx), 12/14/2020  Straw Polled:  PDT text:  [20/1339r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1339-05-00be-pdt-phy-data-field-coding.docx), 09/14/2020  (SP result: No objection)  TBD text:  [20/1339r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1339-08-00be-pdt-phy-data-field-coding.docx), 12/14/2020  (SP result: No objection) | Motion 92  Motion 112, #SP12  Motion 112, #SP14 Motion 111, #SP0611-02  Motion 111, #SP0611-04  Motion 111, #SP0611-05 |
| PHY | Data field-Segment Parser | Jianhan Liu | Tianyu Wu, Bo Sun, Youhan Kim, Dandan Liang | Basics (R1) | | Uploaded:  Segment Parser:  [20/1452r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1452-00-00be-pdt-segment-parser.docx), 09/11/2020  [20/1452r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1452-01-00be-pdt-segment-parser.docx), 09/15/2020  [20/1452r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1452-02-00be-pdt-segment-parser.docx), 09/15/2020  [20/1452r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1452-03-00be-pdt-segment-parser.docx), 09/21/2020  Stream Parser:  [20/1884r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1884-00-00be-pdt-phy-stream-parser.docx), 11/19/2020  Presented:  [20/1452r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1452-02-00be-pdt-segment-parser.docx), 09/21/2020  [20/1884r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1884-00-00be-pdt-phy-stream-parser.docx), 11/19/2020  Straw Polled:  [20/1452r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1452-03-00be-pdt-segment-parser.docx), 09/21/2020  (SP result: No objection)  [20/1884r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1884-00-00be-pdt-phy-stream-parser.docx), 11/19/2020  (SP result: No objection) | Motion 111, #SP0611-07  Motion 111, #SP2  Motion 111, #SP3  Motion 115, #SP70 |
| PHY | Resource unit-Interleaving for RUs and aggregated RUs | Jianhan Liu | Tianyu Wu, Bo Sun, Junghoon Suh, Ruchen Duan, Youhan Kim | Basics (R1) | | Uploaded:  [20/1448r0,](https://mentor.ieee.org/802.11/dcn/20/11-20-1448-00-00be-pdt-resource-unit-interleaving-for-rus-and-multipe-rus.docx) 09/10/2020  [20/1448r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1448-01-00be-pdt-resource-unit-interleaving-for-rus-and-multipe-rus.docx), 09/11/2020  [20/1448r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1448-02-00be-pdt-resource-unit-interleaving-for-rus-and-multipe-rus.docx), 09/11/2020  [20/1448r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1448-03-00be-pdt-resource-unit-interleaving-for-rus-and-multipe-rus.docx), 09/15/2020  [20/1448r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1448-04-00be-pdt-resource-unit-interleaving-for-rus-and-multipe-rus.docx), 09/15/2020  [20/1448r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1448-05-00be-pdt-resource-unit-interleaving-for-rus-and-multipe-rus.docx), 09/21/2020  [20/1448r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1448-06-00be-pdt-resource-unit-interleaving-for-rus-and-multipe-rus.docx), 09/21/2020  [20/1448r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1448-07-00be-pdt-resource-unit-interleaving-for-rus-and-multipe-rus.docx), 09/21/2020  Presented:  [20/1448r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1448-06-00be-pdt-resource-unit-interleaving-for-rus-and-multipe-rus.docx), 09/21/2020  Straw Polled:  [20/1448r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1448-07-00be-pdt-resource-unit-interleaving-for-rus-and-multipe-rus.docx), 09/21/2020  (SP result: No objection) | Motion 82  Motion 92  Motion 112, #SP12  Motion 112, #SP14  Motion 115, #SP66  Motion 115, #SP67  Motion 115, #SP68  Motion 115, #SP69  Motion 111, #SP0611-02  Motion 111, #SP0611-03  Motion 111, #SP0611-04  Motion 111, #SP0611-05  Motion 111, #SP0611-06  Motion 122, #SP149 |
| PHY | Pilot | Jinyoung Chun | Bo Sun, Youhan Kim | Basics (R1) | | Uploaded:  PDT text:  [20/1351r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1351-00-00be-pdt-phy-pilot.docx), 08/29/2020  [20/1351r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1351-01-00be-pdt-phy-pilot.docx), 09/11/2020  [20/1351r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1351-02-00be-pdt-phy-pilot.docx), 09/13/2020  [20/1351r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1351-03-00be-pdt-phy-pilot.docx), 09/14/2020  [20/1351r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1351-04-00be-pdt-phy-pilot.docx), 09/21/2020  [20/1351r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1351-05-00be-pdt-phy-pilot.docx), 09/21/2020  TBD text:  [20/1876r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1876-00-00be-update-on-pdt-phy-pilot.docx), 11/18/2020  [20/1876r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1876-01-00be-update-on-pdt-phy-pilot.docx), 11/18/2020  [20/1876r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1876-02-00be-update-on-pdt-phy-pilot.docx), 11/18/2020  [20/1876r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1876-03-00be-update-on-pdt-phy-pilot.docx), 11/19/2020  [20/1876r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1876-04-00be-update-on-pdt-phy-pilot.docx), 11/19/2020  [20/1876r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1876-05-00be-update-on-pdt-phy-pilot.docx), 11/25/2020  Presented:  PDT text:  [20/1351r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1351-04-00be-pdt-phy-pilot.docx), 09/21/2020  TBD text:  [20/1876r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1876-03-00be-update-on-pdt-phy-pilot.docx), 11/19/2020  [20/1876r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1876-05-00be-update-on-pdt-phy-pilot.docx), 11/30/2020  Straw Polled:  PDT text:  [20/1351r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1351-05-00be-pdt-phy-pilot.docx), 09/21/2020  (SP result: No objection)  TBD text:  [20/1876r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1876-04-00be-update-on-pdt-phy-pilot.docx), 11/19/2020  (SP result: No objection)  [20/1876r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1876-05-00be-update-on-pdt-phy-pilot.docx), 11/30/2020  (SP result: No objection) | Motion 116  Motion 115, #SP78  Motion 115, #SP80  Motion 122, #SP143  Motion 122, #SP144  Motion 122, #SP145  Motion 137, #SP273  Motion 137, #SP274 |
| PHY | OFDM Modulation (Constellation) | Sigurd Schelstraete | Shimi Shilo, Bo Sun, Rethna Pulikkoonattu, Youhan Kim, Rui Cao | Basics (R1) | | Uploaded:  [20/1349r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1349-00-00be-pdt-constellation-mapping.docx), 08/28/2020  [20/1349r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1349-01-00be-pdt-constellation-mapping.docx), 09/08/2020  [20/1349r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1349-02-00be-pdt-constellation-mapping.docx), 09/09/2020  [20/1349r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1349-03-00be-pdt-constellation-mapping.docx), 09/10/2020  Presented:  [20/1349r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1349-00-00be-pdt-constellation-mapping.docx), 08/31/2020  [20/1349r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1349-02-00be-pdt-constellation-mapping.docx), 09/10/2020  Straw Polled:  [20/1349r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1349-03-00be-pdt-constellation-mapping.docx), 09/10/2020  (SP result: No objection) | Motion 111, #SP0611-21  Motion 111, #SP0611-22  Motion 112, #SP147 |
| PHY | OFDM modulation (Data field) | Rui Cao | Alice Li | R1 | | Updated:  [20/1868r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1868-00-00be-pdt-phy-ofdm-modulation.docx), 11/18/2020  [20/1868r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1868-01-00be-pdt-phy-ofdm-modulation.docx), 11/18/2020  [20/1868r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1868-02-00be-pdt-phy-ofdm-modulation.docx), 11/19/2020  [20/1868r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1868-03-00be-pdt-phy-ofdm-modulation.docx), 11/28/2020  Presented:  [20/1868r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1868-02-00be-pdt-phy-ofdm-modulation.docx), 11/19/2020  [20/1868r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1868-03-00be-pdt-phy-ofdm-modulation.docx), 11/30/2020  Straw Polled:  [20/1868r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1868-02-00be-pdt-phy-ofdm-modulation.docx), 11/19/2020  (SP result: No objection)  [20/1868r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1868-03-00be-pdt-phy-ofdm-modulation.docx), 11/30/2020  (SP result: No objection) | No motion |
| PHY | Packet extension | Yan Zhang | Bo Sun, Yujin Noh, Youhan Kim | Basics (R1) | | Uploaded:  PDT text:  [20/1340r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1340-00-00be-pdt-phy-packet-extension.docx), 09/07/2020  [20/1340r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1340-01-00be-pdt-phy-packet-extension.docx), 09/09/2020  [20/1340r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1340-02-00be-pdt-phy-packet-extension.docx), 09/14/2020  TBD text:  [20/1340r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1340-03-00be-pdt-phy-packet-extension.docx), 12/03/2020  [20/1340r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1340-04-00be-pdt-phy-packet-extension.docx), 12/07/2020  [20/1340r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1340-05-00be-pdt-phy-packet-extension.docx), 12/14/2020  [20/1340r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1340-06-00be-pdt-phy-packet-extension.docx), 01/08/2021  Presented:  PDT text:  [20/1340r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1340-01-00be-pdt-phy-packet-extension.docx), 09/14/2020  TBD text:  [20/1340r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1340-03-00be-pdt-phy-packet-extension.docx), 12/07/2020  [20/1340r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1340-05-00be-pdt-phy-packet-extension.docx), 12/14/2020  [20/1340r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1340-06-00be-pdt-phy-packet-extension.docx), 01/11/2021  Straw Polled:  PDT text:  [20/1340r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1340-02-00be-pdt-phy-packet-extension.docx), 09/14/2020  (SP result: No objection)  TBD text:  [20/1340r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1340-04-00be-pdt-phy-packet-extension.docx), 12/07/2020  (SP result: No objection)  [20/1340r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1340-06-00be-pdt-phy-packet-extension.docx), 01/11/2021  (SP result: No objection) | No motion |
| PHY | Non-HT duplicate transmission | Rui Cao | Chenchen Liu, Alice Li | R1 | | Uploaded:  [20/1867r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1867-00-00be-pdt-phy-non-ht-duplicate-transmission.docx), 11/18/2020  [20/1867r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1867-01-00be-pdt-phy-non-ht-duplicate-transmission.docx), 11/19/2020  Presented:  [20/1867r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1867-01-00be-pdt-phy-non-ht-duplicate-transmission.docx), 11/19/2020  Straw Polled:  [20/1867r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1867-01-00be-pdt-phy-non-ht-duplicate-transmission.docx), 11/19/2020  (SP result: No objection) |  |
| PHY | Transmit requirements for PPDUs sent in response to a triggering frame | Mengshi Hu |  | R1 | | Uploaded:  Presented:  Straw Polled: |  |
| PHY | Beamforming | Genadiy Tsodik | Sameer Vermani, Bo Sun, Youhan Kim, Wook Bong Lee, Jinyoung Chun, Ruchen Duan | Basics (R1) | | Uploaded:  [20/1231r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1231-00-00be-pdt-phy-beamforming.docx), 08/23/2020  [20/1231r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1231-01-00be-pdt-phy-beamforming.docx), 08/27/2020  [20/1231r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1231-02-00be-pdt-phy-beamforming.docx), 08/31/2020  [20/1231r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1231-03-00be-pdt-phy-beamforming.docx), 09/09/2020  Presented:  [20/1231r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1231-01-00be-pdt-phy-beamforming.docx), 08/31/2020  [20/1231r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1231-03-00be-pdt-phy-beamforming.docx), 09/10/2020  Straw Polled:  [20/1231r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1231-03-00be-pdt-phy-beamforming.docx), 09/10/2020  (SP result: No objection) | Motion 111, #SP0611-23  Motion 112, #SP44  Motion 6 |
| PHY | EHT sounding NDP | Sameer Vermani | Bo Sun, Youhan Kim, Junghoon Suh | R1 | | Uploaded:  PDT text:  [20/1466r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1466-00-00be-pdt-phy-eht-sounding-ndp.docx), 09/14/2020  TBD text:  [20/1878r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1878-00-00be-pdt-phy-update-to-eht-sounding-ndp.docx), 11/18/2020  [20/1878r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1878-01-00be-pdt-phy-update-to-eht-sounding-ndp.docx), 11/19/2020  Presented:  PDT text:  [20/1466r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1466-00-00be-pdt-phy-eht-sounding-ndp.docx), 09/24/2020  TBD text:  [20/1878r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1878-00-00be-pdt-phy-update-to-eht-sounding-ndp.docx), 11/19/2020  Straw Polled:  PDT text:  [20/1466r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1466-00-00be-pdt-phy-eht-sounding-ndp.docx), 09/24/2020  (SP result: No objection)  TBD text:  [20/1878r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1878-01-00be-pdt-phy-update-to-eht-sounding-ndp.docx), 11/19/2020  (SP result: No objection) | No motion |
| PHY | Transmit specification: Transmit spectral mask and spectral flatness | Xiaogang Chen | Bo Sun, Youhan Kim, Wook Bong Lee, Bin Tian | Basics (R1) | | Uploaded:  Transmit spectral mask:  PDT text:  [20/1462r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1462-00-00be-pdt-phy-tx-mask.docx), 09/14/2020  [20/1462r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1462-01-00be-pdt-phy-tx-mask.docx), 09/15/2020  [20/1462r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1462-02-00be-pdt-phy-tx-mask.docx), 09/24/2020  TBD text:  [20/1462r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1462-03-00be-pdt-phy-tx-mask.docx), 11/17/2020  [20/1462r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1462-04-00be-pdt-phy-tx-mask.docx), 11/19/2020  Spectral flatness:  PDT text:  [20/1480r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1480-00-00be-pdt-phy-s-flatness.docx), 09/15/2020  [20/1480r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1480-01-00be-pdt-phy-s-flatness.docx), 09/24/2020  TBD text:  [20/1480r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1480-02-00be-pdt-phy-s-flatness.docx), 01/11/2021  [20/1480r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1480-03-00be-pdt-phy-s-flatness.docx), 01/11/2021  Presented:  PDT text:  [20/1462r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1462-01-00be-pdt-phy-tx-mask.docx), 09/24/2020  [20/1480r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1480-00-00be-pdt-phy-s-flatness.docx), 09/24/2020  TBD text:  [20/1462r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1462-03-00be-pdt-phy-tx-mask.docx), 11/17/2020  [20/1480r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1480-02-00be-pdt-phy-s-flatness.docx), 01/11/2021  Straw Polled:  PDT text:  [20/1462r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1462-02-00be-pdt-phy-tx-mask.docx), 09/24/2020  (SP result: No objection)  [20/1480r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1480-01-00be-pdt-phy-s-flatness.docx), 09/24/2020  (SP result: No objection)  TBD text:  [20/1462r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1462-04-00be-pdt-phy-tx-mask.docx), 11/19/2020  (SP result: No objection)  [20/1480r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1480-03-00be-pdt-phy-s-flatness.docx), 01/11/2021  (SP result: No objection) | Motion 119, #SP117 |
| PHY | Transmit specification: Clock frequency and modulation accuracy | Wook Bong Lee | Bo Sun, Youhan Kim, Wook Bong Lee, Bin Tian, Xiaogang Chen | Basics (R1) | | Uploaded:  PDT texts:  [20/1252r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1252-00-00be-pdt-phy-frequency-tolerance.docx), 08/20/2020  [20/1252r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1252-01-00be-pdt-phy-frequency-tolerance.docx), 08/27/2020  [20/1252r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1252-02-00be-pdt-phy-frequency-tolerance.docx), 09/10/2020  [20/1253r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1253-00-00be-pdt-phy-modulation-accuracy.docx), 08/20/2020  [20/1253r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1253-01-00be-pdt-phy-modulation-accuracy.docx), 08/24/2020  [20/1253r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1253-02-00be-pdt-phy-modulation-accuracy.docx), 08/26/2020  [20/1253r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1253-03-00be-pdt-phy-modulation-accuracy.docx), 08/27/2020  [20/1253r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1253-04-00be-pdt-phy-modulation-accuracy.docx), 08/27/2020  [20/1253r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1253-05-00be-pdt-phy-modulation-accuracy.docx), 09/09/2020  [20/1253r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1253-06-00be-pdt-phy-modulation-accuracy.docx), 09/10/2020  TBD texts:  [20/1791r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1791-01-00be-pdt-tbd-phy-modulation-accuracy.docx), 11/05/2020  [20/1791r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1791-02-00be-pdt-tbd-phy-modulation-accuracy.docx), 11/19/2020  [20/1791r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1791-03-00be-pdt-tbd-phy-modulation-accuracy.docx), 11/19/2020  [20/1791r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1791-04-00be-pdt-tbd-phy-modulation-accuracy.docx), 11/19/2020  [20/1791r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1791-05-00be-pdt-tbd-phy-modulation-accuracy.docx), 11/19/2020  [20/1792r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1792-00-00be-pdt-tbd-phy-frequency-tolerance.docx), 11/05/2020  [21/0014r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0014-00-00be-proposed-draft-text-pdt-phy-modulation-accuracy.docx), 01/11/2021  [21/0014r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0014-01-00be-proposed-draft-text-pdt-phy-modulation-accuracy.docx), 01/13/2021  Presented:  PDT texts:  [20/1252r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1252-00-00be-pdt-phy-frequency-tolerance.docx), 08/20/2020  [20/1252r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1252-02-00be-pdt-phy-frequency-tolerance.docx), 09/10/2020  [20/1253r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1253-03-00be-pdt-phy-modulation-accuracy.docx), 08/27/2020  [20/1253r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1253-06-00be-pdt-phy-modulation-accuracy.docx), 09/10/2020  TBD texts:  [20/1791r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1791-01-00be-pdt-tbd-phy-modulation-accuracy.docx), 11/12/2020  [20/1792r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1792-00-00be-pdt-tbd-phy-frequency-tolerance.docx), 11/12/2020  [20/1791r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1791-04-00be-pdt-tbd-phy-modulation-accuracy.docx), 11/19/2020  [21/0014r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0014-01-00be-proposed-draft-text-pdt-phy-modulation-accuracy.docx), 01/13/2021  Straw Polled:  PDT texts:  [20/1252r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1252-02-00be-pdt-phy-frequency-tolerance.docx), 09/10/2020  (SP result: No objection)  [20/1253r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1253-06-00be-pdt-phy-modulation-accuracy.docx), 09/10/2020  (SP result: No objection)  TBD (10/26/2020)  Do you agree to change from +-2 ppm to +-25 ppm for 2.4 GHz band transmit center frequency tolerance?Note that it is a typo in section 36.3.18.3. Please refer 11-20/1252r2.  (SP result: No objection)  TBD texts:  [20/1791r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1791-01-00be-pdt-tbd-phy-modulation-accuracy.docx), 11/12/2020  (SP result: 39Y, 1N, 6A)  [20/1792r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1792-00-00be-pdt-tbd-phy-frequency-tolerance.docx), 11/12/2020  (SP result: 36Y, 0N, 5A)  [20/1791r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1791-05-00be-pdt-tbd-phy-modulation-accuracy.docx), 11/19/2020  (SP result: No objection)  [21/0014r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0014-01-00be-proposed-draft-text-pdt-phy-modulation-accuracy.docx), 01/13/2021  (SP result: No objection) | Motion 112, #SP20  Motion 137, #SP288  Motion 140  Motion 135, #SP218  Motion 150, #SP375  Motion 150, #SP376  Motion 150, #SP377 |
| PHY | Receive specification: General and receiver minimum input sensitivity and channel rejection | Wook Bong Lee | Bo Sun, Youhan Kim, Aiguo Yan, Bin Tian | Basics (R1) | | Uploaded:  PDT text:  [20/1254r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1254-00-00be-pdt-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx), 08/20/2020  [20/1254r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1254-01-00be-pdt-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx), 08/24/2020  [20/1254r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1254-02-00be-pdt-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx), 08/25/2020  [20/1254r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1254-03-00be-pdt-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx), 08/27/2020  [20/1254r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1254-04-00be-pdt-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx), 09/09/2020  [20/1254r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1254-05-00be-pdt-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx), 09/10/2020  [20/1254r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1254-06-00be-pdt-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx), 09/10/2020  TBD text:  [20/1793r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1793-00-00be-pdt-tbd-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx), 11/05/2020  [21/0013r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0013-00-00be-proposed-draft-text-pdt-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx), 01/11/2021  [21/0013r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0013-01-00be-proposed-draft-text-pdt-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx), 01/13/2021  [21/0013r2](https://mentor.ieee.org/802.11/dcn/21/11-21-0013-02-00be-proposed-draft-text-pdt-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx), 01/13/2021  Presented:  PDT text:  [20/1254r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1254-01-00be-pdt-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx), 08/27/2020  [20/1254r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1254-05-00be-pdt-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx), 09/10/2020  TBD text:  [20/1793r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1793-00-00be-pdt-tbd-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx), 11/12/2020  [21/0013r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0013-01-00be-proposed-draft-text-pdt-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx), 01/13/2021  Straw Polled:  PDT text:  [20/1254r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1254-06-00be-pdt-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx), 09/10/2020  (SP result: No objection)  TBD text:  [20/1793r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1793-00-00be-pdt-tbd-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx), 11/12/2020  (SP result: 36Y, 0N, 6A)  [21/0013r2](https://mentor.ieee.org/802.11/dcn/21/11-21-0013-02-00be-proposed-draft-text-pdt-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx), 01/13/2021  (SP result: No objection) | Motion 137, #SP288  Motion 135, #SP218  Motion 131, #SP209  Motion 137, #SP250  Motion 150, #SP378 |
| PHY | Receive specification: CCA sensitivity | Bin Tian | Bo Sun, Youhan Kim, Aiguo Yan, Wook Bong Lee | R1 | | Uploaded:  [20/1766r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1766-00-00be-pdt-cca-sensitivity.docx), 11/05/2020  [20/1766r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1766-01-00be-pdt-cca-sensitivity.docx), 11/12/2020  Presented:  [20/1766r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1766-00-00be-pdt-cca-sensitivity.docx), 11/12/2020  Straw Polled:  [20/1766r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1766-01-00be-pdt-cca-sensitivity.docx), 11/12/2020  (SP result: 33Y, 0N, 11A) | Motion 90  Motion 137, #SP275  Motion 137, #SP276 |
| PHY | EHT transmit procedure | Xiaogang Chen | Bo Sun, Yujin Noh, Youhan Kim | Basics (R1) | | Uploaded:  [20/1836r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1836-00-00be-pdt-phy-tx-procedure.docx), 11/13/2020  Presented:  [20/1836r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1836-00-00be-pdt-phy-tx-procedure.docx), 11/18/2020  Straw Polled:  [20/1836r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1836-00-00be-pdt-phy-tx-procedure.docx), 11/18/2020  (SP result: No objection) | No motion |
| PHY | EHT receive procedure | Xiaogang Chen | Bo Sun, Yujin Noh, Youhan Kim | Basics (R1) | | Uploaded:  PDT text:  [20/1837r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1837-00-00be-pdt-phy-rx-procedure.docx), 11/13/2020  [20/1837r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1837-01-00be-pdt-phy-rx-procedure.docx), 11/19/2020  [20/1837r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1837-02-00be-pdt-phy-rx-procedure.docx), 11/19/2020  TBD text:  [20/1837r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1837-03-00be-pdt-phy-rx-procedure.docx), 01/11/2021  [20/1837r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1837-04-00be-pdt-phy-rx-procedure.docx), 01/11/2021  [20/1837r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1837-05-00be-pdt-phy-rx-procedure.docx), 01/11/2021  Presented:  PDT text:  [20/1837r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1837-00-00be-pdt-phy-rx-procedure.docx), 11/18/2020  [20/1837r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1837-01-00be-pdt-phy-rx-procedure.docx), 11/19/2020  TBD text:  [20/1837r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1837-03-00be-pdt-phy-rx-procedure.docx), 01/11/2021  Straw Polled:  PDT text:  [20/1837r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1837-02-00be-pdt-phy-rx-procedure.docx), 11/19/2020  (SP result: No objection)  TBD text:  [20/1837r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1837-04-00be-pdt-phy-rx-procedure.docx), 01/11/2021  (SP result: No objection)  [20/1837r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1837-05-00be-pdt-phy-rx-procedure.docx), 01/11/2021  (SP result: No objection) | No motion |
| PHY | Channel numbering and channelization | Ruchen Duan | Bo Sun, Ruchen Duan, Youhan Kim | R1 | | Uploaded:  [20/1229r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1229-00-00be-pdt-phy-channel-numbering-and-channelization.docx), 08/14/2020  [20/1229r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1229-01-00be-pdt-phy-channel-numbering-and-channelization.docx), 08/27/2020  [20/1229r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1229-02-00be-pdt-phy-channel-numbering-and-channelization.docx), 08/31/2020  [20/1229r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1229-03-00be-pdt-phy-channel-numbering-and-channelization.docx), 08/31/2020  Presented:  [20/1229r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1229-03-00be-pdt-phy-channel-numbering-and-channelization.docx), 08/31/2020  [20/1229r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1229-03-00be-pdt-phy-channel-numbering-and-channelization.docx), 09/10/2020  Straw Polled:  [20/1229r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1229-03-00be-pdt-phy-channel-numbering-and-channelization.docx), 09/10//2020  (SP result: No objection) | Motion 111, #SP0611-01  Motion 119, #SP115  Motion 16  Motion 119, #SP116 |
| PHY | Regulatory requirements | Bo Sun | Bo Sun, Youhan Kim | R1 | | Uploaded:  [20/1404r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1404-00-00be-pdt-phy-support-for-non-ht-ht-vht-he-format-and-regulatory.doc), 09/06/2020  [20/1404r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1404-01-00be-pdt-phy-support-for-non-ht-ht-vht-he-format-and-regulatory.doc), 09/10/2020  [20/1404r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1404-02-00be-pdt-phy-support-for-non-ht-ht-vht-he-format-and-regulatory.doc), 09/14/2020  Presented:  [20/1404r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1404-02-00be-pdt-phy-support-for-non-ht-ht-vht-he-format-and-regulatory.doc), 09/21/2020  Straw Polled:  [20/1404r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1404-02-00be-pdt-phy-support-for-non-ht-ht-vht-he-format-and-regulatory.doc), 09/21/2020  (SP result: No objection | No motion |
| PHY | EHT PLME | Youhan Kim | Bo Sun, Youhan Kim | Basics (R1) | | Uploaded:  PDT text:  [20/1294r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1294-00-00be-pdt-phy-eht-plme.docx), 08/25/2020  [20/1294r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1294-01-00be-pdt-phy-eht-plme.docx), 08/25/2020  [20/1294r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1294-02-00be-pdt-phy-eht-plme.docx), 08/25/2020  [20/1294r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1294-03-00be-pdt-phy-eht-plme.docx), 09/10/2020  [20/1294r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1294-04-00be-pdt-phy-eht-plme.docx), 09/10/2020  TBD text:  [20/1873r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1873-00-00be-pdt-phy-txtime-and-psdu-length-calculation.docx), 11/18/2020  Presented:  PDT text:  [20/1294r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1294-01-00be-pdt-phy-eht-plme.docx), 08/27/2020  [20/1294r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1294-04-00be-pdt-phy-eht-plme.docx), 09/10/2020  TBD text:  [20/1873r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1873-00-00be-pdt-phy-txtime-and-psdu-length-calculation.docx), 11/18/2020  Straw Polled:  PDT text:  [20/1294r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1294-04-00be-pdt-phy-eht-plme.docx), 09/10/2020  (SP result: No objection)  TBD text:  [20/1873r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1873-00-00be-pdt-phy-txtime-and-psdu-length-calculation.docx), 11/18/2020  (SP result: No objection) | No motion |
| PHY | Parameters for EHT-MCSs | Yujin Noh | Bo Sun, Yujin Noh, Ruchen Duan, Youhan Kim | Basics (R1) | | Uploaded:  [20/1290r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1290-00-00be-pdt-phy-parameters-for-eht-mcss.docx), 08/27/2020  [20/1290r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1290-01-00be-pdt-phy-parameters-for-eht-mcss.docx), 08/31/2020  [20/1290r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1290-02-00be-pdt-phy-parameters-for-eht-mcss.docx), 09/09/2020  [20/1290r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1290-03-00be-pdt-phy-parameters-for-eht-mcss.docx), 09/11/2020  Presented:  [20/1290r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1290-01-00be-pdt-phy-parameters-for-eht-mcss.docx), 08/31/2020  [20/1290r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1290-02-00be-pdt-phy-parameters-for-eht-mcss.docx), 09/10/2020  [20/1290r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1290-03-00be-pdt-phy-parameters-for-eht-mcss.docx), 09/14/2020  Straw Polled:  [20/1290r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1290-03-00be-pdt-phy-parameters-for-eht-mcss.docx), 09/14/2020  (SP result: No objection) | Motion 111, #SP0611-21  Motion 122, #SP147  Motion 122, #SP148  Motion 122, #SP162  Motion 131, #SP209 |
|  | | | | | | | |
| MAC | Introduction to the EHT MAC | Carol Ansley | Po-Kai Huang, Abhishek Patil | R1 | | Uploaded:  [20/1957r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1957-00-00be-proposed-spec-text-for-eht-mac-and-mlo-intros.docx), 12/12/2020  [20/1957r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1957-01-00be-proposed-spec-text-for-eht-mac-and-mlo-intros.docx), 12/14/2020  Presented:  [20/1957r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1957-00-00be-proposed-spec-text-for-eht-mac-and-mlo-intros.docx), 12/14/2020  [20/1957r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1957-01-00be-proposed-spec-text-for-eht-mac-and-mlo-intros.docx), 01/11/2021  Straw Polled:  [20/1957r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1957-01-00be-proposed-spec-text-for-eht-mac-and-mlo-intros.docx), 01/11/2021  (SP result: No objection) |  |
| MAC | General | Dibakar Das | George Cherian, Jarkko Kneckt, Yunbo Li, BARON Stephane,  VIGER Pascal, Akhmetov Dmitry, NEZOU Patrice, James Yee, Jeongki Kim, Chunyu Hu, Yonggang Fang, John Yi, Liuming Lu, Payam Torab | Basics (R1) | | Uploaded:  Presented:  Straw Polled: | Motion 22  Motion 111, #SP0611-24 |
| MAC | EHT Operation Element | Guogang Huang | Liwen Chu, Po-kai Huang, Insun Jang, George Cherian, Mark Rison, Chunyu Hu, John Yi, Liuming Lu | Basics (R1) | | Uploaded:  [20/1359r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1359-00-00be-pdt-mac-eht-operation-element.docx), 08/31/2020  [20/1359r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1359-01-00be-pdt-mac-eht-operation-element.docx), 09/08/2020  [20/1359r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1359-02-00be-pdt-mac-eht-operation-element.docx), 09/14/2020  [20/1359r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1359-03-00be-pdt-mac-eht-operation-element.docx), 09/16/2020  [20/1359r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1359-04-00be-pdt-mac-eht-operation-element.docx), 09/16/2020  Presented:  [20/1359r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1359-01-00be-pdt-mac-eht-operation-element.docx), 09/09/2020  [20/1359r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1359-02-00be-pdt-mac-eht-operation-element.docx), 09/14/2020  [20/1359r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1359-03-00be-pdt-mac-eht-operation-element.docx), 09/16/2020  Straw Polled:  [20/1359r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1359-04-00be-pdt-mac-eht-operation-element.docx), 09/16/2020 (SP result: 51Y, 13N, 35A) | Motion 111, #SP0611-25  Motion 112, #SP53  Motion 112, #SP54 |
| MAC | EHT BSS Operation | Liwen Chu | Guogang Huang, Po-kai Huang, Insun Jang, George Cherian, Mark Rison, Yonggang Fang, John Yi, Liuming Lu | Basics (R1) | | Uploaded:  [20/1353r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1353-00-00be-pdt-mac-eht-bss-operation.docx), 08/30/2020  [20/1353r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1353-01-00be-pdt-mac-eht-bss-operation.docx), 09/09/2020  [20/1353r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1353-02-00be-pdt-mac-eht-bss-operation.docx), 09/14/2020  [20/1353r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1353-03-00be-pdt-mac-eht-bss-operation.docx), 09/16/2020  [20/1353r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1353-04-00be-pdt-mac-eht-bss-operation.docx), 09/16/2020  [20/1353r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1353-05-00be-pdt-mac-eht-bss-operation.docx), 09/16/2020  Presented:  [20/1353r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1353-01-00be-pdt-mac-eht-bss-operation.docx), 09/09/2020  [20/1353r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1353-02-00be-pdt-mac-eht-bss-operation.docx), 09/14/2020  [20/1353r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1353-04-00be-pdt-mac-eht-bss-operation.docx), 09/16/2020  Straw Polled:  [20/1353r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1353-05-00be-pdt-mac-eht-bss-operation.docx), 09/16/2020  (SP result: 54Y, 1N, 39A) | Motion 112, #SP53  Motion 112, #SP54 |
| MAC | TXOP: BW Signaling | Kaiying Lu | Yanjun Sun ,Das, Dibakar, Jarkko Kneckt, Yunbo Li, Jeongki Kim, Akhmetov Dmitry, Liuming Lu, Greg Geonjung Ko, John Yi, Yonggang Fang | R1 | | Uploaded:  PDT text:  [20/1281r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1281-00-00be-pdt-mac-txop-bandwidth-signaling.docx), 08/25/2020  [20/1281r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1281-01-00be-pdt-mac-txop-bandwidth-signaling.docx), 09/09/2020  [20/1281r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1281-02-00be-pdt-mac-txop-bandwidth-signaling.docx), 09/10/2020  [20/1281r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1281-03-00be-pdt-mac-txop-bandwidth-signaling.docx), 09/16/2020  [20/1281r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1281-04-00be-pdt-mac-txop-bandwidth-signaling.docx), 09/16/2020  TBD text:  [21/0077r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0077-00-00be-mac-pdt-wideband-bw-signaling-tbds.docx), 01/12/2021  Presented:  PDT text:  [20/1281r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1281-02-00be-pdt-mac-txop-bandwidth-signaling.docx), 09/10/2020  [20/1281r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1281-03-00be-pdt-mac-txop-bandwidth-signaling.docx), 09/16/2020  TBD text:  [21/0077r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0077-00-00be-mac-pdt-wideband-bw-signaling-tbds.docx), 01/13/2021  Straw Polled:  PDT text:  [20/1281r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1281-04-00be-pdt-mac-txop-bandwidth-signaling.docx), 09/16/2020  (SP result: No objection)  TBD text:  [21/0077r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0077-00-00be-mac-pdt-wideband-bw-signaling-tbds.docx), 01/13/2021  (SP result: 38Y, 21N, 37A) | Motion 111, #SP0611-27  Motion 115, #SP102 |
| MAC | TXOP: Preamble Puncturing | Yanjun Sun | Kaiying Lu, Das, Dibakar, Jarkko Kneckt, Yunbo Li, Jeongki Kim, Akhmetov Dmitry, Liuming Lu, Greg Geonjung Ko, John Yi, Yonggang Fang | Basics (R1) | | Uploaded:  [20/1408r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1408-00-00be-pdt-mac-txop-preamble-puncturing.docx), 09/09/2020  [20/1408r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1408-01-00be-pdt-mac-txop-preamble-puncturing.docx), 09/24/2020  [20/1408r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1408-02-00be-pdt-mac-txop-preamble-puncturing.docx), 09/24/2020  Presented:  [20/1408r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1408-00-00be-pdt-mac-txop-preamble-puncturing.docx), 09/23/2020  Straw Polled:  [20/1408r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1408-02-00be-pdt-mac-txop-preamble-puncturing.docx), 09/24/2020  (SP result: No objection) | Motion 111, #SP0611-27 |
| MAC | Priority access support for NS/EP services | Subir Das | Leif Wilhelmsson, An Nguyen,  Chitto Ghosh | R1 | | Uploaded:  PDT text:  [20/1434r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1434-00-00be-pdt-for-ns-ep-priority-access.docx), 09/08/2020  [20/1434r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1434-01-00be-pdt-for-ns-ep-priority-access.docx), 09/17/2020  [20/1434r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1434-02-00be-pdt-for-ns-ep-priority-access.docx), 09/21/2020  [20/1434r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1434-03-00be-pdt-for-ns-ep-priority-access.docx), 09/22/2020  [20/1434r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1434-04-00be-pdt-for-ns-ep-priority-access.docx), 09/24/2020  [20/1434r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1434-05-00be-pdt-for-ns-ep-priority-access.docx), 09/27/2020  [20/1434r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1434-06-00be-pdt-for-ns-ep-priority-access.docx), 09/28/2020  TBD text:  [20/1722r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1722-00-00be-mac-pdt-nsep-tbds.docx), 11/01/2020  [20/1722r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1722-01-00be-mac-pdt-nsep-tbds.docx), 12/16/2020  [20/1722r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1722-02-00be-mac-pdt-nsep-tbds.docx), 12/17/2020  [20/1722r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1722-03-00be-mac-pdt-nsep-tbds.docx), 01/06/2021  [20/1722r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1722-04-00be-mac-pdt-nsep-tbds.docx), 01/11/2021  Presented:  PDT text:  [20/1434r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1434-03-00be-pdt-for-ns-ep-priority-access.docx), 09/23/2020  [20/1434r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1434-04-00be-pdt-for-ns-ep-priority-access.docx), 09/24/2020  [20/1434r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1434-05-00be-pdt-for-ns-ep-priority-access.docx), 09/28/2020  TBD text:  [20/1722r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1722-00-00be-mac-pdt-nsep-tbds.docx), 11/02/2020  [20/1722r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1722-02-00be-mac-pdt-nsep-tbds.docx), 12/17/2020  [20/1722r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1722-03-00be-mac-pdt-nsep-tbds.docx), 01/07/2021  [20/1722r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1722-04-00be-mac-pdt-nsep-tbds.docx), 01/13/2021  Straw Polled:  PDT text:  [20/1434r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1434-06-00be-pdt-for-ns-ep-priority-access.docx), 09/28/2020  (SP result: No objection)  TBD text:  [20/1722r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1722-04-00be-mac-pdt-nsep-tbds.docx), 01/13/2021  (SP result: No objection) | Motion 50  Motion 115, #SP90  Motion 126  Motion 131, #SP207 |
| MAC | Wideband and noncontiguous spectrum utilization | Young Hoon Kwon | Yanjun Sun, Kaiying Lu, Jarkko Kneckt, Laurent Cariou, Yunbo Li, Chunyu Hu, John Yi, Liuming Lu | R2 | | Uploaded:  Presented:  Straw Polled: | Motion 119, #SP128  Motion 119, #SP129  Motion 124, #SP171  Motion 135, #SP220  **[To relocate Motion 137, #SP277 to another section of SFD]** |
| MAC | MLO-Introduction | Carol Ansley | Po-Kai Huang, Abhishek Patil | R1 | | Uploaded:  [20/1957r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1957-00-00be-proposed-spec-text-for-eht-mac-and-mlo-intros.docx), 12/12/2020  Presensted:  Straw Polled: |  |
| MAC | MLO mandatory/optional | Laurent Cariou |  | R1 | | Uploaded:  [20/1965r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1965-00-00be-pdt-mac-mlo-mandatory-optional.docx), 01/12/2021  Presensted:  Straw Polled: | Motion 142, #SP303  Motion 142, #SP308  Motion 142, #SP309  Motion 119, #SP118  Motion 119, #SP125 |
| MAC | MLO-Mult-link elements: Common formats and Types | Rojan Chitrakar | Abhishek Patil, Jason Yuchen Guo, Xiandong Dong, Zhigang Han, Xiaofei Wang, Namyeong Kim | R1 | | Uploaded:  [20/1835r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1835-00-00be-pdt-mac-mlo-ml-element-common-format-and-types.docx), 11/11/2020  [20/1835r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1835-01-00be-pdt-mac-mlo-ml-element-common-format-and-types.docx), 11/12/2020  [20/1835r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1835-02-00be-pdt-mac-mlo-ml-element-common-format-and-types.docx), 11/17/2020  [20/1835r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1835-03-00be-pdt-mac-mlo-ml-element-common-format-and-types.docx), 11/18/2020  Presensted:  [20/1835r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1835-01-00be-pdt-mac-mlo-ml-element-common-format-and-types.docx), 11/12/2020  [20/1835r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1835-03-00be-pdt-mac-mlo-ml-element-common-format-and-types.docx), 11/18/2020  Straw Polled:  [20/1835r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1835-03-00be-pdt-mac-mlo-ml-element-common-format-and-types.docx), 11/18/2020  (SP result (with Type subfield size option2): 53Y, 3N, 13A) | Motion 137, #SP245  Motion 137, #SP246  Motion 137, #SP267 |
| MAC | MLO-General | Po-kai Huang | Young Hoon Kwon, Yonggang Fang, Abhishek Patil, Dibakar Das, Kaiying Lu, Jarkko Kneckt, Yunbo Li, VIGER Pascal, Zhou Lan, Ryuichi Hirata, Sanghyun Kim, Xiaofei Wang, Harry Wang, Gabor Bajko , Chunyu Hu, Liuming Lu, Payam Torab, Namyeong Kim, Arik Klein | R1 | | Uploaded:  PDT text:  [20/1309r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1309-00-00be-proposed-draft-specification-for-ml-general-mld-authentication-mld-association-and-ml-setup.docx), 08/26/2020  [20/1309r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1309-01-00be-proposed-draft-specification-for-ml-general-mld-authentication-mld-association-and-ml-setup.docx), 09/08/2020  [20/1309r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1309-02-00be-proposed-draft-specification-for-ml-general-mld-authentication-mld-association-and-ml-setup.docx), 09/10/2020  [20/1309r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1309-03-00be-proposed-draft-specification-for-ml-general-mld-authentication-mld-association-and-ml-setup.docx), 09/10/2020  [20/1309r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1309-04-00be-proposed-draft-specification-for-ml-general-mld-authentication-mld-association-and-ml-setup.docx), 09/14/2020  [20/1309r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1309-05-00be-proposed-draft-specification-for-ml-general-mld-authentication-mld-association-and-ml-setup.docx), 09/16/2020  [20/1309r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1309-06-00be-proposed-draft-specification-for-ml-general-mld-authentication-mld-association-and-ml-setup.docx), 09/18/2020  TBD text:  [20/1650r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1650-00-00be-proposed-tbd-fix-for-mld-association-sa-query.docx), 10/20/2020  [20/1650r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1650-01-00be-proposed-tbd-fix-for-mld-association-sa-query.docx), 10/21/2020  [20/1924r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1924-00-00be-pdt-for-clarification-of-mld-association.docx), 12/01/2020  [20/1924r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1924-01-00be-pdt-for-clarification-of-mld-association.docx), 12/02/2020  [20/1924r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1924-02-00be-pdt-for-clarification-of-mld-association.docx), 12/02/2020  [20/1924r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1924-03-00be-pdt-for-clarification-of-mld-association.docx), 12/02/2020  [20/1924r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1924-04-00be-pdt-for-clarification-of-mld-association.docx), 12/04/2020  [20/1924r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1924-05-00be-pdt-for-clarification-of-mld-association.docx), 12/07/2020  Presented:  PDT text:  [20/1309r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1309-01-00be-proposed-draft-specification-for-ml-general-mld-authentication-mld-association-and-ml-setup.docx), 09/08/2020  [20/1309r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1309-03-00be-proposed-draft-specification-for-ml-general-mld-authentication-mld-association-and-ml-setup.docx), 09/10/2020  [20/1309r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1309-04-00be-proposed-draft-specification-for-ml-general-mld-authentication-mld-association-and-ml-setup.docx), 09/14/2020  [20/1309r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1309-05-00be-proposed-draft-specification-for-ml-general-mld-authentication-mld-association-and-ml-setup.docx), 09/16/2020  TBD text:  [20/1650r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1650-01-00be-proposed-tbd-fix-for-mld-association-sa-query.docx), 10/22/2020  [20/1650r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1650-01-00be-proposed-tbd-fix-for-mld-association-sa-query.docx), 10/26/2020  [20/1924r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1924-03-00be-pdt-for-clarification-of-mld-association.docx), 12/03/2020  [20/1924r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1924-05-00be-pdt-for-clarification-of-mld-association.docx), 12/07/2020  Straw Polled:  PDT text:  [20/1309r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1309-04-00be-proposed-draft-specification-for-ml-general-mld-authentication-mld-association-and-ml-setup.docx) (Part I), 09/14/2020  (SP result: No objection)  [20/1309r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1309-05-00be-proposed-draft-specification-for-ml-general-mld-authentication-mld-association-and-ml-setup.docx) (Part II), 09/16/2020  (SP result: No objection)  [20/1309r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1309-06-00be-proposed-draft-specification-for-ml-general-mld-authentication-mld-association-and-ml-setup.docx) (Part III), 09/21/2020  (SP result: No objection)  TBD text:  [20/1650r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1650-01-00be-proposed-tbd-fix-for-mld-association-sa-query.docx), 10/26/2020  (SP result: 36Y, 4N, 30A)  [20/1924r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1924-05-00be-pdt-for-clarification-of-mld-association.docx), 12/07/2020  (SP result: 40Y, 9N, 40N) | Motion 23  Motion 24  Motion 40  Motion 111, #SP0611-28 |
| MAC | MLO-Multi-link setup: Procedure | Po-kai Huang | Insun Jang, Duncan Ho,  Yonggang Fang, Liwen Chu, Abhishek Patil,  Dibakar Das, Yongho Seok, Jarkko Kneckt, Guogang Huang, Rojan Chitrakar, Chenhe Ji, Yonggang Fang, Jason Yuchen Guo, Xiaofei Wang, Harry Wang, Gabor Bajko, Chunyu Hu, John Yi, Liuming Lu, Payam Torab, Arik Klein | R1 | | Motion 112, #SP38  Motion 108  Motion 109  Motion 25  Motion 115, #SP76  Motion 70  Motion 115, #SP88  Motion 112 # SP40 (authentication)  Motion 115, #SP86  Motion 115, #SP87  Motion 115, #SP94  Motion 115, #SP89  Motion 112, #SP32  Motion 131, #SP192  Motion 131, #SP196  Motion 131, #SP197 |
| MAC | MLO-Multi-link setup: ML transition | Po-Kai Huang | Zhiqiang Han, Xiandong Dong, Jay Yang, Liuming Lu | R1 | | Uploaded:  Presented:  Straw Polled: | Motion 131, #SP197  Motion 131, #SP203  Motion 131, #SP204 |
| MAC | MLO-Multi-link setup: Security | Duncan Ho | Po-kai Huang, Insun Jang, Yonggang Fang, Liwen Chu, Abhishek Patil, Dibakar Das, Yongho Seok, Jarkko Kneckt, Guogang Huang, Rojan Chitrakar, Chenhe Ji, Yonggang Fang, Yong Liu, Jason Yuchen Guo, Xiaofei Wang, Harry Wang, Gabor Bajko, John Yi | R1 | | Uploaded:  [20/1445r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1445-00-00be-pdt-mac-mlo-setup-security.docx), 09/10/2020  [20/1445r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1445-01-00be-pdt-mac-mlo-setup-security.docx), 09/14/2020  [20/1445r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1445-02-00be-pdt-mac-mlo-setup-security.docx), 09/15/2020  [20/1445r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1445-03-00be-pdt-mac-mlo-setup-security.docx), 09/24/2020  [20/1445r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1445-04-00be-pdt-mac-mlo-setup-security.docx), 09/26/2020  [20/1445r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1445-05-00be-pdt-mac-mlo-setup-security.docx), 09/28/2020  [20/1445r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1445-06-00be-pdt-mac-mlo-setup-security.docx), 09/28/2020  Presented:  [20/1445r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1445-02-00be-pdt-mac-mlo-setup-security.docx), 09/23/2020  [20/1445r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1445-05-00be-pdt-mac-mlo-setup-security.docx), 09/28/2020  Straw Polled:  [20/1445r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1445-06-00be-pdt-mac-mlo-setup-security.docx), 09/28/2020  (SP result: No objection) | Motion 71  Motion 111, #SP0611-29  Motion 112, #SP40  Motion 119, #SP130 |
| MAC | MLO-Multi-link security: Operation | Gaurav Patwardhan | Rojan Chitrakar, Subir Das, Mike Montemurro, Po-Kai Huang, Joseph Levy, Jay Yang, Duncan Ho, Mark Hamilton, Xiandong Dong, Yong Liu | R1 | | Uploaded:  Presented:  Straw Polled: | Motion 144, #SP329  Motion 144, #SP330 |
| MAC | MLO-Multi-link setup: ML IE usage/rules in the context | Insun Jang | Po-kai Huang, Duncan Ho,  Yonggang Fang, Liwen Chu, Abhishek Patil, Dibakar Das, Yongho Seok, Jarkko Kneckt, Guogang Huang, Rojan Chitrakar, Chenhe Ji, Yonggang Fang, Jason Yuchen Guo, Xiaofei Wang, Harry Wang, Gabor Bajko | R1 | | Uploaded:  PDT text:  [20/1300r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1300-00-00be-pdt-mac-mlo-multi-link-setup-usage-and-rules-of-ml-ie.docx), 08/25/2020  [20/1300r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1300-01-00be-pdt-mac-mlo-multi-link-setup-usage-and-rules-of-ml-ie.docx), 08/28/2020  [20/1300r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1300-02-00be-pdt-mac-mlo-multi-link-setup-usage-and-rules-of-ml-ie.docx), 08/31/2020  [20/1300r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1300-03-00be-pdt-mac-mlo-multi-link-setup-usage-and-rules-of-ml-ie.docx), 09/07/2020  [20/1300r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1300-04-00be-pdt-mac-mlo-multi-link-setup-usage-and-rules-of-ml-ie.docx), 09/08/2020  [20/1300r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1300-05-00be-pdt-mac-mlo-multi-link-setup-usage-and-rules-of-ml-ie.docx), 09/09/2020  [20/1300r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1300-06-00be-pdt-mac-mlo-multi-link-setup-usage-and-rules-of-ml-ie.docx), 09/13/2020  [20/1300r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1300-07-00be-pdt-mac-mlo-multi-link-setup-usage-and-rules-of-ml-ie.docx), 09/14/2020  [20/1300r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1300-08-00be-pdt-mac-mlo-multi-link-setup-usage-and-rules-of-ml-ie.docx), 09/14/2020  TBD text:  [21/0076r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0076-00-00be-pdt-tbd-mac-mlo-multi-link-setup-usage-and-rules-of-ml-ie.docx), 01/11/2021  Presented:  PDT text:  [20/1300r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1300-02-00be-pdt-mac-mlo-multi-link-setup-usage-and-rules-of-ml-ie.docx), 08/31/2020  [20/1300r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1300-05-00be-pdt-mac-mlo-multi-link-setup-usage-and-rules-of-ml-ie.docx), 09/09/2020  [20/1300r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1300-08-00be-pdt-mac-mlo-multi-link-setup-usage-and-rules-of-ml-ie.docx), 09/14/2020  TBD text:  Straw Polled:  PDT text:  [20/1300r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1300-08-00be-pdt-mac-mlo-multi-link-setup-usage-and-rules-of-ml-ie.docx), 09/14/2020  (SP result: No objection)  TBD text: | Motion 112, #SP32  Motion 32  Motion 21  Motion 68  Motion 115, #SP65  Motion 115, #SP89  Motion 112, #SP33  Motion 122, #SP133  Motion 131, #SP193, Motion 131, #SP202, Motion 131, #SP205 |
| MAC | MLO-Discovery: Information request | Namyeong Kim | Laurent Cariou, Xiandong Dong, Abhishek Patil, Jason Yuchen Guo, Xiaofei Wang, Jarkko Kneckt, Zhiqiang Han, Liuming Lu | R1 | | Uploaded:  [20/1667r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1667-00-00be-pdt-mac-mlo-discovery-information-request.docx), 10/17/2020  [20/1667r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1667-01-00be-pdt-mac-mlo-discovery-information-request.docx), 01/15/2021  Presented:  Straw Polled: | Motion 131, #SP190 |
| MAC | MLO-TID mapping/Link Management: Default Mode and Enablement | Laurent Cariou | Yongho Seok, Matthew Fischer, Young Hoon Kwon, Abhishek Patil, Jarkko Kneckt, Insun Jang,  Namyeong Kim, Chenhe Ji, Sharan Naribole, Cheng Chen, Chunyu Hu, Greg Geonjung Ko, Payam Torab, Dibakar Das, Liuming Lu, Guogang Huang, Harry Wang, Gabor Bajko, Yonggang Fang, John Yi | R1 | | Uploaded:  PDT text:  [20/1256r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1256-00-00be-pdt-mac-mlo-tid-mapping-link-management-default-mode-and-enablement.docx), 08/20/2020  [20/1256r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1256-01-00be-pdt-mac-mlo-tid-mapping-link-management-default-mode-and-enablement.docx), 08/25/2020  [20/1256r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1256-02-00be-pdt-mac-mlo-tid-mapping-link-management-default-mode-and-enablement.docx), 08/28/2020  [20/1256r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1256-03-00be-pdt-mac-mlo-tid-mapping-link-management-default-mode-and-enablement.docx). 08/31/2020  TBD text:  [20/1652r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1652-00-00be-pdt-tbds-mac-mlo-tid-mapping-link-management-default-mode-and-enablement.docx), 10/20/2020  Presented:  PDT text:  [20/1256r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1256-00-00be-pdt-mac-mlo-tid-mapping-link-management-default-mode-and-enablement.docx), 08/26/2020  [20/1256r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1256-03-00be-pdt-mac-mlo-tid-mapping-link-management-default-mode-and-enablement.docx). 08/31/2020  TBD text:  [20/1652r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1652-00-00be-pdt-tbds-mac-mlo-tid-mapping-link-management-default-mode-and-enablement.docx), 10/22/2020  Straw Polled:  PDT text:  [20/1256r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1256-03-00be-pdt-mac-mlo-tid-mapping-link-management-default-mode-and-enablement.docx). 08/31/2020  (SP result: No objection)  TBD text: | Motion 54  Motion 101  Motion 105  Motion 102  Motion 103  Motion 112, #SP51  Motion 9  Motion 112, #SP52 |
| MAC | MLO-TID mapping/Link Management: TID to Link Mapping | Yongho Seok | Laurent Cariou, Matthew Fischer,  Young Hoon Kwon, Abhishek Patil, Jarkko Kneckt, Insun Jang,  Namyeong Kim, Chenhe Ji, Sharan Naribole, Cheng Chen, Chunyu Hu, Greg Geonjung Ko, Payam Torab, Dibakar Das, Guogang Huang, Harry Wang, Gabor Bajko, Yonggang Fang, John Yi, Liuming Lu, Rana Abdelaal, Pooya Monajemi | R1 | | Uploaded:  Presented:  Straw Polled: | Motion 54  Motion 9  Motion 144, #SP311 |
| MAC | MLO-TID mapping/Link management: Individual addressed data delivery without BA negotiation | Po-Kai Huang | Xiandong Dong, Rojan Chitrakar | R1 | | Uploaded:  [20/1431r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1431-00-00be-proposed-draft-specification-for-individual-addressed-data-delivery-without-ba-negotiation.docx), 09/15/2020  [20/1431r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1431-01-00be-proposed-draft-specification-for-individual-addressed-data-delivery-without-ba-negotiation.docx), 09/23/2020  [20/1431r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1431-02-00be-proposed-draft-specification-for-individual-addressed-data-delivery-without-ba-negotiation.docx), 09/24/2020  [20/1431r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1431-03-00be-proposed-draft-specification-for-individual-addressed-data-delivery-without-ba-negotiation.docx), 09/24/2020  [20/1431r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1431-04-00be-proposed-draft-specification-for-individual-addressed-data-delivery-without-ba-negotiation.docx), 09/28/2020  [20/1431r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1431-05-00be-proposed-draft-specification-for-individual-addressed-data-delivery-without-ba-negotiation.docx), 09/28/2020  [20/1431r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1431-06-00be-proposed-draft-specification-for-individual-addressed-data-delivery-without-ba-negotiation.docx), 09/28/2020  Presented:  [20/1431r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1431-01-00be-proposed-draft-specification-for-individual-addressed-data-delivery-without-ba-negotiation.docx), 09/23/2020  [20/1431r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1431-05-00be-proposed-draft-specification-for-individual-addressed-data-delivery-without-ba-negotiation.docx), 09/28/2020  Straw-Polled:  [20/1431r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1431-06-00be-proposed-draft-specification-for-individual-addressed-data-delivery-without-ba-negotiation.docx), 09/28/2020  (SP result: No objection) | Motion 122, #SP158 |
| MAC | MLO-Multi-link block ack: Procedure | Abhishek Patil | Liwen Chu, Po-kai Huang, Kaiying Lu, Jarkko Kneckt, Tomo Adachi, Rojan Chitrakar, Arik Klein, Taewon Song, Zhou Lan, Ryuichi Hirata, Yusuke Tanaka, Xiaofei Wang, Sebastian Max, Jonghun Han, Ming Gan, Gabor Bajko, Chunyu Hu, Liuming Lu | R1 | | Uploaded:  PDT text:  [20/1275r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1275-00-00be-mac-pdt-mlo-ba-procedure.docx), 08/26/2020  [20/1275r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1275-01-00be-mac-pdt-mlo-ba-procedure.docx), 08/27/2020  [20/1275r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1275-02-00be-mac-pdt-mlo-ba-procedure.docx), 08/31/2020  [20/1275r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1275-03-00be-mac-pdt-mlo-ba-procedure.docx), 09/01/2020  [20/1275r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1275-04-00be-mac-pdt-mlo-ba-procedure.docx), 09/08/2020  TBD text:  [20/1914r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1914-00-00be-mac-pdt-motion-112-sp-27.docx), 12/01/2020  [20/1914r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1914-01-00be-mac-pdt-motion-112-sp-27.docx), 12/03/2020  Presented:  PDT text:  [20/1275r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1275-01-00be-mac-pdt-mlo-ba-procedure.docx), 08/27/2020  [20/1275r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1275-04-00be-mac-pdt-mlo-ba-procedure.docx), 09/09/2020  TBD text:  [20/1914r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1914-00-00be-mac-pdt-motion-112-sp-27.docx), 12/03/2020  Straw Polled:  PDT text:  [20/1275r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1275-04-00be-mac-pdt-mlo-ba-procedure.docx), 09/09/2020  (SP result: No objection)  TBD text: [20/1914r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1914-01-00be-mac-pdt-motion-112-sp-27.docx), 12/03/2020  (SP result: No objection) | Motion 36  Motion 67  Motion 61  Motion 115, #SP85  Motion 62  Motion 63  Motion 115, #SP63  Motion 115, #SP64  Motion 114  Motion 112, #SP26  Motion 112, #SP27 |
| MAC | MLO-Fragmentation | Abhishek Patil |  | R1 | | Uploaded:  Presented:  Straw Polled | Motion 150, #SP372 |
| MAC | MLO-Multi-link block ack: sharing and extension of SN space | Liwen Chu  , | Abhishek Patil, Po-kai Huang, Kaiying Lu, Jarkko Kneckt, Tomo Adachi, Rojan Chitrakar, Arik Klein, Taewon Song, Zhou Lan, Ryuichi Hirata Yusuke Tanaka, Xiaofei Wang, Sebastian Max, Jonghun Han, Jason Yuchen Guo, Gabor Bajko, Chunyu Hu, Liuming Lu | R1 | | Uploaded:  [20/1336r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1336-00-00be-11be-spec-text-for-mlo-ba-share-and-extension-of-sn-space.docx), 08/27/2020  [20/1336r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1336-01-00be-11be-spec-text-for-mlo-ba-share-and-extension-of-sn-space.docx), 09/09/2020  [20/1336r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1336-02-00be-11be-spec-text-for-mlo-ba-share-and-extension-of-sn-space.docx), 09/10/2020  [20/1336r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1336-03-00be-11be-spec-text-for-mlo-ba-share-and-extension-of-sn-space.docx), 09/14/2020  [20/1336r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1336-04-00be-11be-spec-text-for-mlo-ba-share-and-extension-of-sn-space.docx), 09/16/2020  [20/1336r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1336-05-00be-11be-spec-text-for-mlo-ba-share-and-extension-of-sn-space.docx), 09/17/2020  Presented:  [20/1336r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1336-02-00be-11be-spec-text-for-mlo-ba-share-and-extension-of-sn-space.docx), 09/10/2020  [20/1336r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1336-03-00be-11be-spec-text-for-mlo-ba-share-and-extension-of-sn-space.docx), 09/14/2020  [20/1336r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1336-04-00be-11be-spec-text-for-mlo-ba-share-and-extension-of-sn-space.docx), 09/16/2020  [20/1336r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1336-05-00be-11be-spec-text-for-mlo-ba-share-and-extension-of-sn-space.docx), 09/21/2020  Straw Polled:  [20/1336r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1336-05-00be-11be-spec-text-for-mlo-ba-share-and-extension-of-sn-space.docx), 09/21/2020  (SP result: No objection) | Motion 112, #SP7  Motion 112, #SP25  Motion 112, #SP22  Motion 112, #SP23  Motion 112, #SP24  Motion 37  Motion 112, #SP6  Motion 133 |
| MAC | MLO-Power save: Traffic Indication | Minyoung Park | Abhishek Patil, Jeongki Kim, Laurent Cariou, Young Hoon Kwon, Yongho Seok, Jarkko Kneckt, Rojan Chitrakar, Namyeong Kim, Sharan Naribole, Matthew Fischer, PEYUSH Agarwal, Jay Yang, Jason Yuchen Guo, Xiaofei Wang, Jonghun Han, Gabor Bajko, Chunyu Hu, Yonggang Fang, Liuming Lu, Rana Abdelaal | Probably basics in R1 (see note). | | Uploaded:  [20/1292r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1292-00-00be-pdt-mac-mlo-power-save-traffic-indication.docx), 08/25/2020  [20/1292r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1292-01-00be-pdt-mac-mlo-power-save-traffic-indication.docx), 08/25/2020  [20/1292r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1292-02-00be-pdt-mac-mlo-power-save-traffic-indication.docx), 08/28/2020  [20/1292r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1292-03-00be-pdt-mac-mlo-power-save-traffic-indication.docx), 08/31/2020  [20/1292r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1292-04-00be-pdt-mac-mlo-power-save-traffic-indication.docx), 08/31/2020  [20/1292r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1292-05-00be-pdt-mac-mlo-power-save-traffic-indication.docx), 09/10/2020  [20/1292r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1292-06-00be-pdt-mac-mlo-power-save-traffic-indication.docx), 09/18/2020  Presented:  [20/1292r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1292-03-00be-pdt-mac-mlo-power-save-traffic-indication.docx), 08/31/2020  [20/1292r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1292-06-00be-pdt-mac-mlo-power-save-traffic-indication.docx), 09/21/2020  Straw Polled:  [20/1292r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1292-06-00be-pdt-mac-mlo-power-save-traffic-indication.docx), 09/21/2020  (SP result: No objection) | Motion 52  Motion 106  Motion 115, #SP61  Motion 115, #SP62  Motion 122, #SP157 |
| MAC | MLO-Power save: Power state indication | Jeongki Kim | Minyoung Park, Abhishek Patil, Ming Gan, Laurent Cariou, Young Hoon Kwon, Yongho Seok, Jarkko Kneckt, Rojan Chitrakar, Namyeong Kim, Sharan Naribole, Matthew Fischer, PEYUSH Agarwal, Jay Yang, Jason Yuchen Guo, Jason Yuchen Guo, Xiaofei Wang , Jonghun Han, Gabor Bajko, Chunyu Hu, Liuming Lu, Yonggang Fang, Rana Abdelaal | R2  (SP result for R1: 63Y, 47N, 36A) | | Uploaded:  Presented:  Straw Polled: | Motion 84 |
| MAC | MLO: BSS parameter update | Ming Gan | Minyoung Park, Abhishek Patil, Laurent Cariou, Young Hoon Kwon, Yongho Seok, Jarkko Kneckt, Rojan Chitrakar, Namyeong Kim, Sharan Naribole, Matthew Fischer, PEYUSH Agarwal, Jay Yang, Jason Yuchen Guo, Jason Yuchen Guo, Xiaofei Wang , Jonghun Han, Gabor Bajko, Chunyu Hu, Liuming Lu, Yonggang Fang, Hanseul Hong, Rana Abdelaal, Pooya Monajemi | Basics in R1 | | Uploaded:  PDT text:  [20/1332r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1332-00-00be-pdt-mac-mlo-bss-parameter-update.docx), 09/07/2020  [20/1332r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1332-01-00be-pdt-mac-mlo-bss-parameter-update.docx), 09/09/2020  [20/1332r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1332-02-00be-pdt-mac-mlo-bss-parameter-update.docx), 09/10/2020  [20/1332r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1332-03-00be-pdt-mac-mlo-bss-parameter-update.docx), 09/23/2020  [20/1332r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1332-04-00be-pdt-mac-mlo-bss-parameter-update.docx), 09/24/2020  [20/1332r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1332-05-00be-pdt-mac-mlo-bss-parameter-update.docx), 09/28/2020  [20/1332r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1332-06-00be-pdt-mac-mlo-bss-parameter-update.docx), 09/28/2020  [21/0055r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0055-00-00be-mac-pdt-motion-137-sp-244.docx), 01/11/2021  [21/0056r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0056-00-00be-mac-pdt-motion-146-sps-336-337.docx), 01/09/2021  [21/0056r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0056-01-00be-mac-pdt-motion-146-sps-336-337.docx), 01/09/2021  Visio file:  [21/0063r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0063-00-00be-visio-file-for-wnm-sleep-variant-of-ml-ie.vsd), 01/11/2021  TBD text:  [20/1594r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1594-00-00be-mlo-critical-updates-indication-address-missing-details.docx), 10/08/2020  [20/1594r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1594-01-00be-mlo-critical-updates-indication-address-missing-details.docx), 11/10/2020  [20/1594r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1594-02-00be-mlo-critical-updates-indication-address-missing-details.docx), 11/11/2020  [20/1594r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1594-03-00be-mlo-critical-updates-indication-address-missing-details.docx), 11/15/2020  [20/1594r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1594-04-00be-mlo-critical-updates-indication-address-missing-details.docx), 11/16/2020  [20/1881r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1881-00-00be-resolve-tbds-in-35-3-8.docx), 11/18/2020  Presented:  PDT text:  [20/1332r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1332-02-00be-pdt-mac-mlo-bss-parameter-update.docx), 09/21/2020  [20/1332r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1332-03-00be-pdt-mac-mlo-bss-parameter-update.docx), 09/23/2020  [20/1332r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1332-04-00be-pdt-mac-mlo-bss-parameter-update.docx), 09/24/2020  [20/1332r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1332-05-00be-pdt-mac-mlo-bss-parameter-update.docx), 09/28/2020  TBD text:  [20/1594r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1594-03-00be-mlo-critical-updates-indication-address-missing-details.docx), 11/16/2020  [20/1881r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1881-00-00be-resolve-tbds-in-35-3-8.docx), 11/18/2020  Straw Polled:  PDT text:  [20/1332r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1332-04-00be-pdt-mac-mlo-bss-parameter-update.docx), 09/24/2020  (SP result: 25Y, 20N, 29A)  [20/1332r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1332-06-00be-pdt-mac-mlo-bss-parameter-update.docx), 09/28/2020  (SP result: No objection)  TBD text:  [20/1594r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1594-04-00be-mlo-critical-updates-indication-address-missing-details.docx), 11/16/2020  (SP result: 41Y, 1N, 37A)  [20/1881r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1881-00-00be-resolve-tbds-in-35-3-8.docx), 11/18/2020  (SP result: No objection) | Motion 115, #SP101  Motion 115, #SP59  Motion 115, #SP77  Motion 131, #SP191  Motion 137, #SP266  Motion 146, #SP336  Motion 146, #SP337 |
| MAC | MLO-Power save: TWT | Ming Gan | Minyoung Park, Abhishek Patil, Laurent Cariou, Young Hoon Kwon, Yongho Seok, Jarkko Kneckt, Rojan Chitrakar, Namyeong Kim, Sharan Naribole, Matthew Fischer, PEYUSH Agarwal, Jay Yang, Jason Yuchen Guo, Jason Yuchen Guo, Xiaofei Wang , Jonghun Han, Gabor Bajko, Chunyu Hu, Liuming Lu, Yonggang Fang, Rana Abdelaal | R1 (Note:  Each link can operate independently.) | | Uploaded:  [21/0080r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0080-00-00be-twt-for-mld.docx), 01/12/2021  [21/0080r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0080-01-00be-twt-for-mld.docx), 01/13/2021  Presented:  Straw Polled: | Motion 115, #SP60 |
| MAC | MLO-Power save: General and other procedures | Abhishek Patil | Minyoung Park, Ming Gan, Laurent Cariou, Young Hoon Kwon, Yongho Seok, Jarkko Kneckt, Rojan Chitrakar, Namyeong Kim, Sharan Naribole, Matthew Fischer, PEYUSH Agarwal, Jay Yang, Jason Yuchen Guo, Jason Yuchen Guo, Xiaofei Wang , Jonghun Han, Gabor Bajko, Chunyu Hu, Yonggang Fang, Liuming Lu, Rana Abdelaal | Basics in R1 (see note) | | Uploaded:  [20/1270r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1270-00-00be-pdt-mac-mlo-power-save-procedures.docx), 08/24/2020  [20/1270r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1270-01-00be-pdt-mac-mlo-power-save-procedures.docx), 08/31/2020  [20/1270r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1270-02-00be-pdt-mac-mlo-power-save-procedures.docx), 09/01/2020  [20/1270r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1270-03-00be-pdt-mac-mlo-power-save-procedures.docx), 09/08/2020  [20/1270r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1270-04-00be-pdt-mac-mlo-power-save-procedures.docx), 09/09/2020  Visio file:  [20/1289r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1289-00-00be-visio-file-for-figure-33-xx-mlo-per-sta-independent-power-state.vsd), 08/24/2020  [20/1289r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1289-01-00be-visio-file-for-figure-33-xx-mlo-per-sta-independent-power-state.vsd), 09/01/2020  PDT text:  [20/1915r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1915-00-00be-pdt-mac-spec-text-for-motions-on-power-save-procedure.docx), 01/09/2021  [20/1915r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1915-01-00be-pdt-mac-spec-text-for-motions-on-power-save-procedure.docx), 01/10/2021  [21/0082r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0082-00-00be-pdt-mac-mlo-power-save-listen-interval.docx), 01/12/2021  Presented:  [20/1270r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1270-01-00be-pdt-mac-mlo-power-save-procedures.docx), 08/31/2020  [20/1270r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1270-03-00be-pdt-mac-mlo-power-save-procedures.docx), 09/09/2020  PDT text:  Straw Polled:  [20/1270r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1270-04-00be-pdt-mac-mlo-power-save-procedures.docx), 09/09/2020  (SP result with Option 2 incorporated: No objection)  PDT text: | Motion 51  Motion 104  Motion 110  Motion 112, #SP55  Motion 115, #SP62  Motion 115, #SP100  Motion 135, #SP241 Motion 135, #SP242 Motion 135, #SP243  Motion 137, #SP244 Motion 137, #SP248  Motion 137, #SP247 |
| MAC | MLO-General procedures: Channel switching, enhanced channel switching and channel quieting | Laurent Cariou | Xiandong Dong | R1 | | Uploaded:  [21/0073r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0073-00-00be-pdt-mac-mlo-csa-ecsa-quiet-element.docx), 01/11/2021  [21/0073r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0073-01-00be-pdt-mac-mlo-csa-ecsa-quiet-element.docx), 01/11/2021  [21/0073r2](https://mentor.ieee.org/802.11/dcn/21/11-21-0073-02-00be-pdt-mac-mlo-csa-ecsa-quiet-element.docx), 01/12/2021  [21/0073r3](https://mentor.ieee.org/802.11/dcn/21/11-21-0073-03-00be-pdt-mac-mlo-csa-ecsa-quiet-element.docx), 01/13/2021  Presented:  [21/0073r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0073-01-00be-pdt-mac-mlo-csa-ecsa-quiet-element.docx), 01/11/2021  [21/0073r3](https://mentor.ieee.org/802.11/dcn/21/11-21-0073-03-00be-pdt-mac-mlo-csa-ecsa-quiet-element.docx), 01/13/2021  Straw Polled:  [21/0073r3](https://mentor.ieee.org/802.11/dcn/21/11-21-0073-03-00be-pdt-mac-mlo-csa-ecsa-quiet-element.docx), 01/13/2021  (SP result: No objection) | Motion 146, #SP347  Motion 146, #SP348 |
| MAC | MLO-Multi-link single-radio operation | Minyoung Park | Young Hoon Kwon, Sanghyun Kim, Sharan Naribole, Liuming Lu | R1 | | Uploaded:  PDT text:  [20/1291r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1291-00-00be-pdt-mac-mlo-enhanced-multi-link-single-radio-operation.docx), 08/25/2020  [20/1291r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1291-01-00be-pdt-mac-mlo-enhanced-multi-link-single-radio-operation.docx), 08/26/2020  [20/1291r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1291-03-00be-pdt-mac-mlo-enhanced-multi-link-single-radio-operation.docx), 08/26/2020  [20/1291r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1291-03-00be-pdt-mac-mlo-enhanced-multi-link-single-radio-operation.docx), 08/27/2020  [20/1291r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1291-04-00be-pdt-mac-mlo-enhanced-multi-link-single-radio-operation.docx), 08/27/2020  [20/1291r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1291-05-00be-pdt-mac-mlo-enhanced-multi-link-single-radio-operation.docx), 08/27/2020  [20/1291r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1291-06-00be-pdt-mac-mlo-enhanced-multi-link-single-radio-operation.docx), 08/27/2020  [20/1291r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1291-07-00be-pdt-mac-mlo-enhanced-multi-link-single-radio-operation.docx), 08/28/2020  [20/1291r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1291-08-00be-pdt-mac-mlo-enhanced-multi-link-single-radio-operation.docx), 08/31/2020  [20/1291r9](https://mentor.ieee.org/802.11/dcn/20/11-20-1291-09-00be-pdt-mac-mlo-enhanced-multi-link-single-radio-operation.docx), 09/01/2020  [20/1291r10](https://mentor.ieee.org/802.11/dcn/20/11-20-1291-10-00be-pdt-mac-mlo-enhanced-multi-link-single-radio-operation.docx), 09/02/2020  [20/1291r11](https://mentor.ieee.org/802.11/dcn/20/11-20-1291-11-00be-pdt-mac-mlo-enhanced-multi-link-single-radio-operation.docx), 09/04/2020  [20/1291r12](https://mentor.ieee.org/802.11/dcn/20/11-20-1291-12-00be-pdt-mac-mlo-enhanced-multi-link-single-radio-operation.docx), 09/08/2020  TBD text:  [20/1743r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1743-00-00be-pdt-tbd-mac-emlsr-operation.pptx), 11/16/2020  [20/1743r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1743-01-00be-pdt-tbd-mac-emlsr-operation.pptx), 11/17/2020  [20/1743r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1743-02-00be-pdt-tbd-mac-emlsr-operation.pptx), 11/30/2020  [20/1743r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1743-03-00be-pdt-tbd-mac-emlsr-operation.pptx), 12/01/2020  [20/1743r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1743-04-00be-pdt-tbd-mac-emlsr-operation.pptx), 12/03/2020  [20/1743r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1743-05-00be-pdt-tbd-mac-emlsr-operation.pptx), 12/03/2020  Presented:  PDT text:  [20/1291r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1291-04-00be-pdt-mac-mlo-enhanced-multi-link-single-radio-operation.docx), 08/27/2020  [20/1291r12](https://mentor.ieee.org/802.11/dcn/20/11-20-1291-12-00be-pdt-mac-mlo-enhanced-multi-link-single-radio-operation.docx), 09/09/2020  TBD text:  [20/1743r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1743-01-00be-pdt-tbd-mac-emlsr-operation.pptx), 11/17/2020  [20/1743r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1743-03-00be-pdt-tbd-mac-emlsr-operation.pptx), 12/03/2020  Straw Polled:  PDT text:  [20/1291r10](https://mentor.ieee.org/802.11/dcn/20/11-20-1291-10-00be-pdt-mac-mlo-enhanced-multi-link-single-radio-operation.docx), 09/02/2020  (SP result: 33Y, 30N, 37A)  [20/1291r12](https://mentor.ieee.org/802.11/dcn/20/11-20-1291-12-00be-pdt-mac-mlo-enhanced-multi-link-single-radio-operation.docx), 09/09/2020  (SP result: No objection)  TBD text:  [20/1743r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1743-05-00be-pdt-tbd-mac-emlsr-operation.pptx), 12/03/2020  (SP result: 56Y, 3N, 33A) | Motion 119, #SP118  Motion 119, #SP125  Motion 119, #SP126 |
| MAC | MLO-Multi-link group addressed data delivery: Beacon transmission | Duncan Ho | Po-kai Huang, Jarkko Kneckt, Jeongki Kim, Gabor Bajko, Kaiying Lu, Ming Gan | R1 | | Uploaded:  [20/1488r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1488-00-00be-pdt-mac-mlo-group-addressed-frame-beacon.docx), 09/17/2020  [20/1488r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1488-01-00be-pdt-mac-mlo-group-addressed-frame-beacon.docx), 09/21/2020  Presented:  Straw Polled: | Motion 112, #SP37 |
| MAC | MLO-Multi-link group addressed data delivery: Group addressed data frame | Kaiying Lu | Po-kai Huang, Jarkko Kneckt, Jeongki Kim, Gabor Bajko, Duncan Ho, Ming Gan | R1 | | Uploaded:  [20/1411r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1411-00-00be-pdt-mac-mlo-group-addressed-data-frame.docx), 09/07/2020  [20/1411r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1411-01-00be-pdt-mac-mlo-group-addressed-data-frame.docx), 09/16/2020  [20/1411r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1411-02-00be-pdt-mac-mlo-group-addressed-data-frame.docx), 09/22/2020  [20/1411r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1411-03-00be-pdt-mac-mlo-group-addressed-data-frame.docx), 09/24/2020  [20/1411r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1411-04-00be-pdt-mac-mlo-group-addressed-data-frame.docx), 09/28/2020  Presented:  [20/1411r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1411-02-00be-pdt-mac-mlo-group-addressed-data-frame.docx), 09/22/2020  [20/1411r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1411-04-00be-pdt-mac-mlo-group-addressed-data-frame.docx), 09/28/2020  Straw Polled:  [20/1411r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1411-04-00be-pdt-mac-mlo-group-addressed-data-frame.docx), 09/28/2020  (SP result: No objection) | Motion 122, #SP155  Motion 131, #SP199 |
| MAC | MLO-Multi-link group addressed data delivery: Group addressed management frame | Ming Gan | Po-kai Huang, Jarkko Kneckt, Jeongki Kim, Gabor Bajko, Kaiying Lu, Duncan Ho | R1 | | Uploaded:  [20/0081r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0081-00-00be-mlo-group-addressed-frame.docx), 01/12/2021  Presented:  Straw Polled: | Motion 122, #SP155  Motion 131, #SP206  Motion 144, #SP327  Motion 146, #SP353 |
| MAC | MLO-Multi-link channel access: General (STR) | Insun Jang | Minyoung Park, Liwen Chu,  Dibakar Das, Jarkko Kneckt, Chunyu Hu, Tomo Adachi, Jeongki Kim, NEZOU Patrice, Sharan Naribole, Yonggang Fang, Zhou Lan, Akhmetov Dmitry, PEYUSH Agarwal, Liuming Lu, Ryuichi Hirata, Sanghyun Kim, Xin Zuo, Sebastian Max, Laurent Cariou, Jonghun Han, Youhan Kim, Chunyu Hu, John Yi, Rana Abdelaal, Yunbo Li | Basics in R1 (see note) | | Uploaded:  [20/1299r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1299-00-00be-pdt-mac-mlo-multi-link-channel-access-str.docx), 08/25/2020  [20/1299r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1299-01-00be-pdt-mac-mlo-multi-link-channel-access-str.docx), 08/28/2020  [20/1299r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1299-02-00be-pdt-mac-mlo-multi-link-channel-access-str.docx), 08/31/2020  [20/1299r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1299-03-00be-pdt-mac-mlo-multi-link-channel-access-str.docx), 09/07/2020  [20/1299r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1299-04-00be-pdt-mac-mlo-multi-link-channel-access-str.docx), 09/09/2020  [20/1299r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1299-05-00be-pdt-mac-mlo-multi-link-channel-access-str.docx), 09/11/2020  [20/1299r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1299-06-00be-pdt-mac-mlo-multi-link-channel-access-str.docx), 09/14/2020  Visio file:  [20/1305r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1305-00-00be-visio-file-for-figure-33-x-channel-access-of-str-mld.vsdx), 08/25/2020  Presented:  [20/1299r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1299-02-00be-pdt-mac-mlo-multi-link-channel-access-str.docx), 08/31/2020  [20/1299r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1299-04-00be-pdt-mac-mlo-multi-link-channel-access-str.docx), 09/09/2020  [20/1299r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1299-05-00be-pdt-mac-mlo-multi-link-channel-access-str.docx), 09/14/2020  Straw Polled:  [20/1299r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1299-06-00be-pdt-mac-mlo-multi-link-channel-access-str.docx), 09/14/2020  (SP result: No objection) | Motion 20 |
| MAC | MLO-Multi-link channel access: General (non-STR) | Matthew Fischer | Minyoung Park, Liwen Chu,  Dibakar Das, Jarkko Kneckt, Chunyu Hu, Tomo Adachi, Jeongki Kim, NEZOU Patrice, Sharan Naribole, Yonggang Fang, Zhou Lan, Akhmetov Dmitry, PEYUSH Agarwal, Liuming Lu, Ryuichi Hirata, Sanghyun Kim, Xin Zuo, Sebastian Max, Laurent Cariou, Jonghun Han, Youhan Kim, Chunyu Hu, John Yi, Rana Abdelaal, Yunbo Li | Basics in R1 (see note) | | Uploaded:  [20/1395r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-00-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/02/2020  [20/1395r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-01-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/03/2020  [20/1395r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-02-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/03/2020  [20/1395r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-03-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/04/2020  [20/1395r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-04-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/04/2020  [20/1395r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-05-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/08/2020  [20/1395r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-06-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/09/2020  [20/1395r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-07-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/11/2020  [20/1395r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-08-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/11/2020  [20/1395r9](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-09-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/14/2020  [20/1395r10](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-10-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/16/2020  [20/1395r11](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-11-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/21/2020  [20/1395r12](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-12-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/21/2020  [20/1395r13](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-13-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/28/2020  [20/1395r14](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-14-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/28/2020  Presented:  [20/1395r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-06-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/10/2020  [20/1395r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-08-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/14/2020  [20/1395r9](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-09-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/14/2020  [20/1395r10](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-10-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/21/2020  [20/1395r12](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-12-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/23/2020  Straw Polled:  [20/1395r12](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-12-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/23/2020  (SP result: 29Y, 7N, 53A)  [20/1395r14](https://mentor.ieee.org/802.11/dcn/20/11-20-1395-14-00be-pdt-mac-mlo-multi-link-channel-access-general-non-str.docx), 09/28/2020  (SP result: 47Y, 1N, 23A) | Motion 111, #SP0611-30  Motion 111, #SP0611-32 |
| MAC | Multi-link channel access: Capability Signaling | Yunbo Li | Minyoung Park, Liwen Chu,  Dibakar Das, Jarkko Kneckt, Chunyu Hu, Tomo Adachi, Jeongki Kim, NEZOU Patrice, Sharan Naribole, Yonggang Fang, Zhou Lan, Akhmetov Dmitry, PEYUSH Agarwal, Liuming Lu, Ryuichi Hirata, Sanghyun Kim, Xin Zuo, Sebastian Max, Laurent Cariou, Jonghun Han, Youhan Kim, John Yi, Pooya Monajemi | Basics in R1 (see note) | | Uploaded:  [20/1320r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1320-00-00be-pdt-mac-mlo-multi-link-channel-access-capability-signaling.docx), 08/26/2020  [20/1320r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1320-01-00be-pdt-mac-mlo-multi-link-channel-access-capability-signaling.docx), 08/30/2020  [20/1320r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1320-02-00be-pdt-mac-mlo-multi-link-channel-access-capability-signaling.docx), 09/02/2020  [20/1320r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1320-03-00be-pdt-mac-mlo-multi-link-channel-access-capability-signaling.docx), 09/09/2020  [20/1320r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1320-04-00be-pdt-mac-mlo-multi-link-channel-access-capability-signaling.docx), 09/16/2020  [20/1320r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1320-05-00be-pdt-mac-mlo-multi-link-channel-access-capability-signaling.docx), 09/21/2020  [20/1320r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1320-06-00be-pdt-mac-mlo-multi-link-channel-access-capability-signaling.docx), 09/24/2020  [20/1320r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1320-07-00be-pdt-mac-mlo-multi-link-channel-access-capability-signaling.docx), 09/24/2020  [20/1320r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1320-08-00be-pdt-mac-mlo-multi-link-channel-access-capability-signaling.docx), 09/28/2020  [20/1320r9](https://mentor.ieee.org/802.11/dcn/20/11-20-1320-09-00be-pdt-mac-mlo-multi-link-channel-access-capability-signaling.docx), 09/28/2020  Presented:  [20/1320r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1320-05-00be-pdt-mac-mlo-multi-link-channel-access-capability-signaling.docx), 09/21/2020  [20/1320r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1320-06-00be-pdt-mac-mlo-multi-link-channel-access-capability-signaling.docx), 09/24/2020  [20/1320r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1320-08-00be-pdt-mac-mlo-multi-link-channel-access-capability-signaling.docx), 09/28/2020  Straw Polled:  (SP result: 32Y, 12N, 27A)  [20/1320r9](https://mentor.ieee.org/802.11/dcn/20/11-20-1320-09-00be-pdt-mac-mlo-multi-link-channel-access-capability-signaling.docx), 09/28/2020  (SP result: No objection) | Motion 46  Motion 38  Motion 122, #SP167  Motion 26  Motion 112, #SP4 |
| MAC | MLO-Multi-link channel access: End PPDU Alignment | Yongho Seok | Yunbo Li,  Insun Jang,  Matthew Fischer, Duncan Ho Minyoung Park, Liwen Chu,  Dibakar Das, Jarkko Kneckt, Chunyu Hu, Tomo Adachi, Jeongki Kim, NEZOU Patrice, Sharan Naribole, Yonggang Fang, Zhou Lan, Akhmetov Dmitry, PEYUSH Agarwal, Liuming Lu, Ryuichi Hirata, Sanghyun Kim, Xin Zuo, Sebastian Max, Laurent Cariou, Jonghun Han, Youhan Kim, Chunyu Hu, John Yi, Hanseul Hong, Rana Abdelaal | Basics in R1 (see note) | | Uploaded: [20/1271r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1271-00-00be-pdt-mac-mlo-multi-link-channel-access-end-ppdu-alignment.docx), 08/24/2020  [20/1271r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1271-01-00be-pdt-mac-mlo-multi-link-channel-access-end-ppdu-alignment.docx), 08/26/2020  [20/1271r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1271-02-00be-pdt-mac-mlo-multi-link-channel-access-end-ppdu-alignment.docx), 08/28/2020  [20/1271r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1271-03-00be-pdt-mac-mlo-multi-link-channel-access-end-ppdu-alignment.docx), 08/30/2020  [20/1271r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1271-04-00be-pdt-mac-mlo-multi-link-channel-access-end-ppdu-alignment.docx), 08/31/2020  [20/1271r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1271-05-00be-pdt-mac-mlo-multi-link-channel-access-end-ppdu-alignment.docx), 08/31/2020  [20/1271r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1271-06-00be-pdt-mac-mlo-multi-link-channel-access-end-ppdu-alignment.docx), 08/31/2020  [20/1271r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1271-07-00be-pdt-mac-mlo-multi-link-channel-access-end-ppdu-alignment.docx), 09/09/2020  [20/1271r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1271-08-00be-pdt-mac-mlo-multi-link-channel-access-end-ppdu-alignment.docx), 09/09/2020  Presented:  [20/1271r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1271-01-00be-pdt-mac-mlo-multi-link-channel-access-end-ppdu-alignment.docx), 08/26/2020  [20/1271r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1271-05-00be-pdt-mac-mlo-multi-link-channel-access-end-ppdu-alignment.docx), 08/31/2020  [20/1271r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1271-07-00be-pdt-mac-mlo-multi-link-channel-access-end-ppdu-alignment.docx), 09/09/2020  Straw Polled:  [20/1271r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1271-05-00be-pdt-mac-mlo-multi-link-channel-access-end-ppdu-alignment.docx), 08/31/2020  (SP result: 30Y, 14N, 38A)  [20/1271r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1271-07-00be-pdt-mac-mlo-multi-link-channel-access-end-ppdu-alignment.docx), 09/09/2020  (SP result: No objection) | Motion 111, #SP0611-31  Motion 122, #SP152  Motion 122, #SP153  Motion 122, #SP154  Motion 122, #SP159  Motion 122, #SP168 |
| MAC | MLO-Multi-link channel access: STA ID | Yongho Seok | Yonggang Fang, Liuming Lu, Sanghyun Kim, Yunbo Li, Jason Guo, Jonghun Han | R1 | | Uploaded:  [20/1409r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1409-00-00be-pdt-mac-sta-id.docx), 09/07/2020  [20/1409r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1409-01-00be-pdt-mac-sta-id.docx), 09/09/2020  [20/1409r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1409-02-00be-pdt-mac-sta-id.docx), 09/16/2020  [20/1409r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1409-03-00be-pdt-mac-sta-id.docx), 09/23/2020  Presented:  [20/1409r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1409-02-00be-pdt-mac-sta-id.docx), 09/23/2020  Straw Polled:  [20/1409r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1409-03-00be-pdt-mac-sta-id.docx), 09/23/2020  (SP result: No objection) | Motion #122, #SP160  Motion #122, #SP161 |
| MAC | MLO-Multi-link channel access: Synch Start of PPDU | Duncan Ho | Yongho Seok, Yunbo Li, Insun Jang, Matthew Fischer, Akhmetov Dmitry, Minyoung Park, Liwen Chu,  Dibakar Das, Jarkko Kneckt, Chunyu Hu, Tomo Adachi, Jeongki Kim, NEZOU Patrice, Sharan Naribole, Yonggang Fang, Zhou Lan, Akhmetov Dmitry, PEYUSH Agarwal, Liuming Lu, Ryuichi Hirata Sanghyun Kim,  Xin Zuo, Sebastian Max, Laurent Cariou, Jonghun Han, Youhan Kim, John Yi, Hanseul Hong, Rana Abdelaal | R1 | | Uploaded:  [20/1910r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1910-00-00be-pdt-mac-mlo-start-time-sync.docx), 12/01/2020  [20/1910r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1910-01-00be-pdt-mac-mlo-start-time-sync.docx), 12/13/2020  [20/1910r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1910-02-00be-pdt-mac-mlo-start-time-sync.docx), 12/14/2020  Presented:  [20/1910r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1910-01-00be-pdt-mac-mlo-start-time-sync.docx), 12/14/2020  Straw Polled:  [20/1910r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1910-02-00be-pdt-mac-mlo-start-time-sync.docx), 12/14/2020  (SP result: No objection) | Motion 135, #SP240  Motion 142, #SP310 |
| MAC | MLO-Multi-link channel access: Blindness | Dibakar Das | Yongho Seok, Yunbo Li,  Insun Jang,  Matthew Fischer Duncan Ho, Minyoung Park, Liwen Chu,  Dibakar Das, Jarkko Kneckt, Chunyu Hu, Tomo Adachi, Jeongki Kim, NEZOU Patrice, Sharan Naribole, Yonggang Fang Zhou Lan, Akhmetov Dmitry, PEYUSH Agarwal, Liuming Lu, Ryuichi Hirata Sanghyun Kim, Xin Zuo, Sebastian Max, Laurent Cariou, Jonghun Han, Youhan Kim, Hanseul Hong, Rana Abdelaal | R1 | | Uploaded:  Presented:  Straw Polled: | Motion 150, #SP373 |
| MAC | MLO-Discovery: Discovery procedures (including probing) and RNR | Laurent Cariou | Ming Gan, Liwen Chu, Jarkko Kneckt, Namyeong Kim, Cheng Chen, Rojan Chitrakar, Abhishek Patil, Xiaofei Wang, James Yee, Sharan Naribole, Yonggang Fang, Liuming Lu | R1 | | Uploaded:  PDT text: [20/1255r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1255-00-00be-pdt-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 08/20/2020  [20/1255r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1255-01-00be-pdt-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 08/25/2020  [20/1255r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1255-02-00be-pdt-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 08/28/2020  [20/1255r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1255-03-00be-pdt-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 08/31/2020  [20/1255r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1255-04-00be-pdt-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 08/31/2020  [20/1255r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1255-05-00be-pdt-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 09/24/2020  TBD text:  [20/1651r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1651-00-00be-pdt-tbds-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 10/14/2020  [20/1651r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1651-01-00be-pdt-tbds-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 10/21/2020  [20/1651r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1651-02-00be-pdt-tbds-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 11/11/2020  [20/1651r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1651-03-00be-pdt-tbds-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 11/12/2020  [20/1651r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1651-04-00be-pdt-tbds-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 11/12/2020  [20/1651r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1651-05-00be-pdt-tbds-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 11/18/2020  [20/1651r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1651-06-00be-pdt-tbds-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 11/19/2020  Presented:  PDT text:  [20/1255r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1255-00-00be-pdt-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 08/26/2020  [20/1255r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1255-03-00be-pdt-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 08/31/2020  [20/1255r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1255-05-00be-pdt-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 09/24/2020  TBD text:  [20/1651r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1651-01-00be-pdt-tbds-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 10/21/2020  [20/1651r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1651-03-00be-pdt-tbds-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 11/12/2020  [20/1651r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1651-04-00be-pdt-tbds-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 11/12/2020  [20/1651r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1651-06-00be-pdt-tbds-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 11/19/2020  Straw Polled:  PDT text:  [20/1255r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1255-04-00be-pdt-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 08/31/2020  (SP result: No objection)  [20/1255r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1255-05-00be-pdt-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 09/24/2020  (SP result: No objection)  TBD text:  [20/1651r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1651-04-00be-pdt-tbds-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 11/12/2020  (SP result (except the text related to issue 4): 43Y, 18N, 26A)  [20/1651r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1651-06-00be-pdt-tbds-mac-mlo-discovery-discovery-procedures-including-probing-and-rnr.docx), 11/19/2020  (SP result (except the text related to issue 4): 34Y, 10N, 28A) | Motion 115, #SP93  Motion 115, #SP95  Motion 115, #SP96  Motion 115, #SP97  Motion 119, #SP109  Motion 119, #SP127  Motion 124, #SP185  Motion 124, #SP186 |
| MAC | MLO-Discovery: ML element structure/general | Abhishek Patil | Laurent Cariou, Ming Gan, Liwen Chu, Jarkko Kneckt, Namyeong Kim, Cheng Chen, Rojan Chitrakar, Xiaofei Wang, James Yee, Yonggang Fang, Liuming Lu, Payam Torab | R1 | | Uploaded:  PDT text: [20/1274r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1274-00-00be-mac-pdt-mlo-ml-ie-structure.docx), 08/24/2020  [20/1274r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1274-01-00be-mac-pdt-mlo-ml-ie-structure.docx), 09/13/2020  [20/1274r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1274-02-00be-mac-pdt-mlo-ml-ie-structure.docx), 09/14/2020  [20/1274r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1274-03-00be-mac-pdt-mlo-ml-ie-structure.docx), 09/15/2020  [20/1274r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1274-04-00be-mac-pdt-mlo-ml-ie-structure.docx), 09/16/2020  [20/1274r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1274-05-00be-mac-pdt-mlo-ml-ie-structure.docx), 09/21/2020  [20/1274r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1274-06-00be-mac-pdt-mlo-ml-ie-structure.docx), 09/24/2020  [20/1274r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1274-07-00be-mac-pdt-mlo-ml-ie-structure.docx), 09/24/2020  [20/1274r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1274-08-00be-mac-pdt-mlo-ml-ie-structure.docx), 09/28/2020  [20/1274r9](https://mentor.ieee.org/802.11/dcn/20/11-20-1274-09-00be-mac-pdt-mlo-ml-ie-structure.docx), 09/28/2020  Visio file:  [20/1288r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1288-00-00be-visio-file-for-figure-33-xx-figure-33-xxx-illustration-of-multi-link-element-carrying-per-sta-profile-subelements.vsd), 08/24/2020  [20/1288r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1288-01-00be-visio-file-for-figure-33-xx-figure-33-xxx-illustration-of-multi-link-element-carrying-per-sta-profile-subelements.vsd), 09/14/2020  [20/1288r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1288-02-00be-visio-file-for-figure-33-xx-figure-33-xxx-illustration-of-multi-link-element-carrying-per-sta-profile-subelements.vsd), 09/21/2020  [20/1288r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1288-03-00be-visio-file-for-figure-33-xx-figure-33-xxx-illustration-of-multi-link-element-carrying-per-sta-profile-subelements.vsd), 09/28/2020  TBD text:  [20/1582r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1582-00-00be-ml-ie-complete-profile-indication.docx), 10/08/2020  [20/1582r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1582-01-00be-ml-ie-complete-profile-indication.docx), 10/09/2020  [20/1592r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1592-00-00be-ml-ie-in-authentication-frame.docx), 10/08/2020  Presented:  PDT text:  [20/1274r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1274-05-00be-mac-pdt-mlo-ml-ie-structure.docx), 09/21/2020  [20/1274r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1274-06-00be-mac-pdt-mlo-ml-ie-structure.docx), 09/24/2020  [20/1274r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1274-08-00be-mac-pdt-mlo-ml-ie-structure.docx), 09/28/2020  TBD text:  [20/1582r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1582-00-00be-ml-ie-complete-profile-indication.docx), 10/08/2020  [20/1592r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1592-00-00be-ml-ie-in-authentication-frame.docx), 10/08/2020  [20/1582r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1582-01-00be-ml-ie-complete-profile-indication.docx), 10/12/2020  [20/1592r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1592-00-00be-ml-ie-in-authentication-frame.docx), 10/12/2020  Straw Polled:  PDT text:  [20/1274r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1274-07-00be-mac-pdt-mlo-ml-ie-structure.docx), 09/24/2020  (SP result: 25Y, 23N, 27A)  [20/1274r9](https://mentor.ieee.org/802.11/dcn/20/11-20-1274-09-00be-mac-pdt-mlo-ml-ie-structure.docx), 09/28/2020  (SP result: No objection)  TBD text:  [20/1582r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1582-01-00be-ml-ie-complete-profile-indication.docx), 10/12/2020  (SP result: No objection)  [20/1592r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1592-00-00be-ml-ie-in-authentication-frame.docx), 10/12/2020  (SP result: 33Y, 1N, 46A) | Motion 115, #SP98  Motion 115, #SP99  Motion 115, #SP91  Motion 115, #SP92  Motion 115, #SP93  Motion 119, #SP124  Motion 131, #SP193, Motion 131, #SP202, Motion 131, #SP205 |
| MAC | MLO-Discovery: ML IE usage/rules in the context of discovery | Ming Gan | Laurent Cariou, Liwen Chu, Jarkko Kneckt, Namyeong Kim, Cheng Chen, Rojan Chitrakar, Xiaofei Wang, James Yee, Yonggang Fang, Liuming Lu, Payam Torab | R1 | | Uploaded:  [20/1333r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1333-00-00be-pdt-mac-mlo-discovery-ml-ie-usage-rules-in-the-context-of-discovery.docx), 09/07/2020  [20/1333r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1333-01-00be-pdt-mac-mlo-discovery-ml-ie-usage-rules-in-the-context-of-discovery.docx), 09/09/2020  [20/1333r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1333-02-00be-pdt-mac-mlo-discovery-ml-ie-usage-rules-in-the-context-of-discovery.docx), 09/23/2020  Presented:  PDT text:  [20/1333r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1333-01-00be-pdt-mac-mlo-discovery-ml-ie-usage-rules-in-the-context-of-discovery.docx), 09/21/2020  [20/1333r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1333-02-00be-pdt-mac-mlo-discovery-ml-ie-usage-rules-in-the-context-of-discovery.docx), 09/23/2020  Straw Polled:  PDT text:  [20/1333r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1333-02-00be-pdt-mac-mlo-discovery-ml-ie-usage-rules-in-the-context-of-discovery.docx), 09/23/2020  (SP result: No objection) | Motion 119, #SP111  Motion 115, #SP89 |
| ~~MAC~~ | ~~MLO-Discovery: Multi-BSSID discovery~~ | ~~Liwen Chu~~ | ~~Laurent Cariou, Abhishek Patil,~~  ~~Ming Gan, Jarkko Kneckt, Namyeong Kim, Cheng Chen, Rojan Chitrakar, James Yee, Sharan Naribole, Yonggang Fang, Liuming Lu~~ | ~~R1~~ | | ~~Uploaded:~~  ~~Presented:~~  ~~Straw Polled:~~ | ~~No explicit motion~~  ~~but Motion 115, #SP63 and Motion 115, #SP64 are related~~  NOTE – This entry is covered by 20/1275r4 |
| MAC | MLO-Multi-BSSID Operation | Abhishek Patil | Laurent Cariou, Liwen Chu, Jarkko Kneckt, Insun Jang,  VIGER Pascal, Pooya Monajemi, Rojan Chitrakar Xin Zuo, James Yee, Ming Gan, Liuming Lu | R1 | | Uploaded: [20/1272r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1272-00-00be-pdt-mac-mlo-multiple-bssid-procedure.docx), 08/24/2020  [20/1272r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1272-01-00be-pdt-mac-mlo-multiple-bssid-procedure.docx), 08/27/2020  Visio files,  [20/1285r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1285-00-00be-visio-file-for-figure-aa6.vsd) and [20/1286r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1286-00-00be-visio-file-for-aa7.vsd), 08/24/2020  Presented:  [20/1272r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1272-00-00be-pdt-mac-mlo-multiple-bssid-procedure.docx), 08/27/2020  [20/1272r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1272-01-00be-pdt-mac-mlo-multiple-bssid-procedure.docx), 09/02/2020  Straw Polled:  [20/1272r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1272-01-00be-pdt-mac-mlo-multiple-bssid-procedure.docx), 09/02/2020  (SP result: No objection) | Motion 112, #SP34  Motion 112, #SP35  Motion 112, #SP36  Motion 112, #SP50 |
| MAC | MLO-Retransmissions | Rojan Chitrakar | Abhishek Patil, Jason Yuchen Guo, Jonghun, Han | R1 | | Uploaded:  [20/1261r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1261-00-00be-pdt-mac-mlo-retransmissions.docx), 08/25/2020  [20/1261r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1261-01-00be-pdt-mac-mlo-retransmissions.docx), 08/28/2020  Presented:  [20/1261r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1261-00-00be-pdt-mac-mlo-retransmissions.docx), 08/27/2020  [20/1261r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1261-01-00be-pdt-mac-mlo-retransmissions.docx), 09/02/2020  Straw Polled:  [20/1261r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1261-01-00be-pdt-mac-mlo-retransmissions.docx), 09/02/2020  (SP result: No objection) | Motion 61  Motion 115, #SP85 |
| MAC | Enhanced multi-link operation mode | Young Hoon Kwon | Duncan Ho, Xiandong Dong, Dibakar Das, Yonggang Fang, Liuming Lu, Sanghyun Kim, Yunbo Li, Jason Guo, Jonghun Han, Rana Abdelaal | R1 | | Uploaded:  [20/1440r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1440-00-00be-pdt-mac-mlo-enhanced-multi-link-operation-mode.docx), 09/09/2020  [20/1440r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1440-01-00be-pdt-mac-mlo-enhanced-multi-link-operation-mode.docx), 09/11/2020  [20/1440r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1440-02-00be-pdt-mac-mlo-enhanced-multi-link-operation-mode.docx), 09/14/2020  [20/1440r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1440-03-00be-pdt-mac-mlo-enhanced-multi-link-operation-mode.docx), 09/22/2020  [20/1440r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1440-04-00be-pdt-mac-mlo-enhanced-multi-link-operation-mode.docx), 09/25/2020  [20/1440r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1440-05-00be-pdt-mac-mlo-enhanced-multi-link-operation-mode.docx), 09/25/2020  [20/1440r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1440-06-00be-pdt-mac-mlo-enhanced-multi-link-operation-mode.docx), 09/28/2020  [20/1440r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1440-07-00be-pdt-mac-mlo-enhanced-multi-link-operation-mode.docx), 09/28/2020  Presented:  [20/1440r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1440-03-00be-pdt-mac-mlo-enhanced-multi-link-operation-mode.docx), 09/23/2020  [20/1440r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1440-06-00be-pdt-mac-mlo-enhanced-multi-link-operation-mode.docx), 09/28/2020  Straw Polled:  [20/1440r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1440-07-00be-pdt-mac-mlo-enhanced-multi-link-operation-mode.docx), 09/28/2020  (SP result: No objection) | Motion 124, #SP187  Motion 119, #SP126 |
| MAC | Soft AP MLD operation | Kaiying Lu | Jinjing Jiang, Dibakar Das, Xiandong Dong, Yonggang Fang, Liuming Lu, Sanghyun Kim, Yunbo Li, Jason Guo, Jonghun Han, Sharan Naribole, Peyush Agarwa | R1 | | Uploaded:  [20/1407r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-00-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/06/2020  [20/1407r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-01-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/08/2020  [20/1407r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-02-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/09/2020  [20/1407r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-03-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/10/2020  [20/1407r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-04-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/16/2020  [20/1407r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-05-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/21/2020  [20/1407r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-06-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/23/2020  [20/1407r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-07-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/24/2020  [20/1407r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-08-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/24/2020  [20/1407r9](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-09-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/24/2020  [20/1407r10](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-10-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/27/2020  [20/1407r11](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-11-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/28/2020  [20/1407r12](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-12-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/28/2020  [20/1407r13](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-13-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 10/08/2020  [20/1407r14](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-14-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 10/19/2020  Presented:  [20/1407r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-05-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/21/2020  [20/1407r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-06-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/23/2020  [20/1407r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-08-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/24/2020  [20/1407r9](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-09-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/24/2020  [20/1407r11](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-11-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/28/2020  [20/1407r14](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-14-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 10/21/2020  Straw Polled:  [20/1407r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-08-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/24/2020  (SP1 result: 29Y, 20N, 27A)  [20/1407r9](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-09-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/24/2020  (SP result: 30Y, 26N, 22A)  [20/1407r11](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-11-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/28/2020  (SP result for option 1: 50Y, 29N, 24A)  [20/1407r12](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-12-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 09/28/2020  (SP result: 45Y, 27N, 18A)  [20/1407r14](https://mentor.ieee.org/802.11/dcn/20/11-20-1407-14-00be-pdt-mac-mlo-soft-ap-mld-operation.docx), 10/21/2020  (SP result: 32Y, 32N, 22A) | Motion 125 |
| MAC | TXVECTOR parameters for EHT TB PPDU response to TRS Control subfield | Jason Yuchen Guo | Xiandong Dong | R1 | | Uploaded:  Presented:  Straw Polled: | No motion |
| MAC | Multi-band and multichannel aggregation and operation General | Duncan Ho | Minyoung Park, Jarkko Kneckt, Tomo Adachi, Payam Torab, Stephen McCann, Yunbo Li, John Yi | ON HOLD | | Uploaded:  Presented:  Straw Polled: | No motion |
| MAC | TWT operation: EHT subchannel selective transmission | Yongho Seok | Ming Gan Xiandong Dong, Insun Jang, Rojan Chitrakar, Patrice Nezou, Xiaofei Wang |  | | Uploaded:  Presented:  Straw Polled: |  |
| MAC | Spatial reuse operation: General operation with non-SRG OBSS PD level | Jason Yuchen Guo | Kaiying Lv, Laurent Cariou,  Yanjun Sun, Young Hoon Kwon, Xiandong Dong, Jonghun Han, Yanjun Sun, Zhou Lan, Jay Yang |  | | Uploaded:  Presented:  Straw Polled: |  |
| MAC | Spatial reuse operation: General operation with SRG OBSS PD level | Laurent Cariou | Jay Yang, Xiaodong Dong |  | | Uploaded:  Presented:  Straw Polled: |  |
| MAC | Spatial reuse operation: Adjustment of OBSS PD and transmit power | Laurent Cariou | Jay Yang, Xiaodong Dong |  | | Uploaded:  Presented:  Straw Polled: |  |
| Joint | Spatial stream and MIMO protocol enhancement-General, including frame formats for EHT MIMO Control field, EHT Compressed Beamforming Report field, and EHT MU Exclusive Beamforming Report field | Wook Bong Lee | Minyoung Park, Yanjun Sun, Stephen McCann, Youhan Kim, Chenchen Liu, Sameer Vermani, Jinyoung Chun,  Genadiy Tsodik | R1 | | Uploaded:  [20/1826r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1826-00-00be-pdt-joint-spatial-stream-and-mimo-protocol.docx), 11/09/2020  [20/1826r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1826-01-00be-pdt-joint-spatial-stream-and-mimo-protocol.docx), 11/09/2020  [20/1826r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1826-02-00be-pdt-joint-spatial-stream-and-mimo-protocol.docx), 11/12/2020  [20/1826r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1826-03-00be-pdt-joint-spatial-stream-and-mimo-protocol.docx), 11/17/2020  [20/1826r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1826-04-00be-pdt-joint-spatial-stream-and-mimo-protocol.docx), 12/07/2020  [20/1826r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1826-05-00be-pdt-joint-spatial-stream-and-mimo-protocol.docx), 12/08/2020  [20/1826r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1826-06-00be-pdt-joint-spatial-stream-and-mimo-protocol.docx), 12/09/2020  [20/1826r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1826-07-00be-pdt-joint-spatial-stream-and-mimo-protocol.docx), 01/11/2021  [21/0011r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0011-00-00be-proposed-draft-text-pdt-joint-spatial-stream-and-mimo-protocol-enhancement-part-2.docx), 01/07/2021  [21/0011r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0011-01-00be-proposed-draft-text-pdt-joint-spatial-stream-and-mimo-protocol-enhancement-part-2.docx), 01/11/2021  [21/0011r2](https://mentor.ieee.org/802.11/dcn/21/11-21-0011-02-00be-proposed-draft-text-pdt-joint-spatial-stream-and-mimo-protocol-enhancement-part-2.docx), 01/14/2021  Presented:  [20/1826r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1826-03-00be-pdt-joint-spatial-stream-and-mimo-protocol.docx), 11/18/2020  [20/1826r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1826-05-00be-pdt-joint-spatial-stream-and-mimo-protocol.docx), 12/09/2020  [21/0011r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0011-01-00be-proposed-draft-text-pdt-joint-spatial-stream-and-mimo-protocol-enhancement-part-2.docx), 01/14/2021  Straw Polled:  [20/1826r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1826-06-00be-pdt-joint-spatial-stream-and-mimo-protocol.docx), 12/09/2020  (SP result: 87Y, 0N, 29A, No answer: 65)  [20/1826r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1826-07-00be-pdt-joint-spatial-stream-and-mimo-protocol.docx), 01/11/2021  (SP result: No objection) | Motion 137, #SP249  Motion 137, #SP293  Motion 137, #SP294  Motion 137, #SP295  Motion 142, #SP304  Motion 142, #SP305  Motion 142, #SP300  Motion 142, #SP301  Motion 142, #SP307 |
| Joint | Spatial stream and MIMO protocol enhancement-16 spatial stream operation, including frame formats for EHT MIMO Control field, EHT Compressed Beamforming Report field, and EHT MU Exclusive Beamforming Report field | Wook Bong Lee | Junghoon Suh, Yanjun Sun, Chenchen Liu, Jinyoung Chun, Alice Li,  Genadiy Tsodik | R2 | | Uploaded:  Presented:  Straw Polled: | Motion 65  Motion 66  Motion 112, #SP15  Motion 112, #SP47 |
| Joint-MAP | SP4: Which option do you prefer:   * Option 1: All MAP features in R1 (unless those already decided to be in R2) * Option 2: All MAP features in R2 * Option 3: Abstain   Result: 53 for Option 1, 58 for Option 2, 17 Abstain | | | | | | |
| Joint | MAP-Setup | Taewon Song | Chen Cheng, George Cherian, Guogang Huang, Kosuke Aio, VIGER Pascal, Yonggang Fang, Jay Yang, Yusuke Tanaka, Oren Kedem, Xiaofei Wang, Stephen McCann, Po-kai Huang, Matthew Fischer, Chunyu Hu, Liuming Lu | R2  (SP result for R1: 48Y, 46N, 20A) | | Uploaded:  Presented:  Straw Polled: |  |
| Joint | MAP-access and TXOP sharing | George Cherian | Taewon Song, Chen Cheng, Guogang Huang, Kosuke Aio, VIGER Pascal, Yonggang Fang, Jay Yang, Yusuke Tanaka, Oren Kedem, Xiaofei Wang, Stephen McCann, Po-kai Huang, Matthew Fischer, Chunyu Hu, Liuming Lu | R2  (SP result for R1: 52Y, 59N, 13A) | | Uploaded:  Presented:  Straw Polled: |  |
| Joint | MAP-Group Management | Chen Cheng | Taewon Song, George Cherian,  Guogang Huang, Kosuke Aio, VIGER Pascal, Yonggang Fang, Jay Yang, Yusuke Tanaka, Oren Kedem, Xiaofei Wang, Stephen McCann, Po-kai Huang, Matthew Fischer, Chunyu Hu, Liuming Lu | R2  (SP result for R1: 48Y, 56N, 18A) | | Uploaded:  Presented:  Straw Polled: | Motion 55 |
| Joint | MAP-Channel sounding | Junghoon Suh | Lei Huang, Kosuke Aio, Stephen McCann, Matthew Fischer, Myeongjin Kim, Jinyoung Chun | R2 | | Uploaded:  [20/1348r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1348-00-00be-pdt-joint-map-sounding.docx), 08/28/2020  Presented:  Straw Polled: | Motion 14  Motion 15  Motion 112, #SP18  Motion 112, #SP19  Motion 119, #SP119 |
| Joint | MAP-Coordinated transmission | George Cherian | Jason Yuchen Guo, Rojan Chitrakar, Arik Klein, Kosuke Aio, BARON Stephane, VIGER Pascal, NEZOU Patrice, Thomas Handte, Matthew Fischer, Chunyu Hu, Xiaofei Wang, Chen Cheng, Stephen McCann, Po-kai Huang, Yongho Seok, Taewon Song, Matthew Fischer, Yonggang Fang, Liuming Lu | R2 | | Uploaded:  Presented:  Straw Polled: |  |
| Joint | MAP-Other Multi-AP coordination schemes – Coordinated SR | Yongho Seok | Jason Yuchen Guo, Kosuke Aio, Stephen McCann, Jonghun Han, Taewon Song, Matthew Fischer, Jonas Sedin | R2 | | Uploaded:  Presented:  Straw Polled: | Motion 111, #SP0611-35 |
| Joint | MAP-Other Multi-AP coordination schemes – Joint Transmissions | Jason Yuchen Guo | Yongho Seok, Kosuke Aio, Stephen McCann, Taewon Song, Matthew Fischer, Wook Bong Lee, Jonas Sedin, Yonggang Fang | R2 | | Uploaded:  Presented:  Straw Polled: | Motion 111, #SP0611-36 |
| Joint | MAP-Other Multi-AP coordination schemes – Coordinated Beamforming | Jason Yuchen Guo | Yongho Seok, Kosuke Aio, Stephen McCann, Taewon Song, Matthew Fischer, Wook Bong Lee, Jonas Sedin | R2 | | Uploaded:  Presented:  Straw Polled: | Motion 112, #SP17 |
| Joint | Trigger frame | Steve Shellhammer | Myeongjin Kim, Mengshi Hu, Cheng Chen. Lei Huang, Yanjun Sun, Xiandong Dong, Jonghun Han, Jinyoung Chun, Greg Geonjung Ko, Zhiqiang Han, Xiaofei Wang, Rison Mark, Junghoon Suh, Kaiying Lv | R1 | | Uploaded:  Presented:  Straw Polled: | Motion 135, #SP226  Motion 135, #SP228  Motion 135, #SP230  Motion 135, #SP227  Motion 135, #SP229  Motion 135, #SP231  Motion 144, #SP326  Motion 146, #SP350  Motion 146, #SP351  Motion 146, #SP352 |
| Layer management | MLME SAP interface | Zhiqiang Han | Yonggang Fang , Po-Kai Huang, Rojan Chitrakar, Abhishek Patil, Jay Yang, Xiandong Dong,  Subir Das , Liuming Lu | | Basics (R1) | Uploaded:  Authentication:  [20/1610r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1610-00-00be-pdt-mac-mlo-6-3-5-and-6-authentication.docx), 10/10/2020  [20/1610r1](Proposed%20resolution%20for%20CIDs%207072,%207048,%207047,%207013,%207006,%207005), 10/12/2020  Association:  PDT text:  [20/1611r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1611-00-00be-pdt-mac-mlo-6-3-7-to-9-association.docx), 10/10/2020  [20/1611r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1611-01-00be-pdt-mac-mlo-6-3-7-to-9-association.docx), 10/12/2020  [20/1659r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1659-00-00be-pdt-mac-mlo-6-3-7-to-6-3-9-association-1.docx), 10/14/2020  [20/1659r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1659-01-00be-pdt-mac-mlo-6-3-7-to-6-3-9-association-1.docx), 10/19/2020  TBD text:  [21/0113r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0113-00-00be-pdt-fix-the-tbds-in-association-and-reassociation-primitives.docx), 01/14/2021  NSEP priority access:  [20/1727r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1727-00-00be-pdt-mac-mlo-6-3-x-nsep-priority-access.docx), 10/29/2020  [20/1727r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1727-01-00be-pdt-mac-mlo-6-3-x-nsep-priority-access.docx), 12/16/2020  [20/1727r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1727-02-00be-pdt-mac-mlo-6-3-x-nsep-priority-access.docx), 01/14/2021  Presented:  PDT text:  [20/1610r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1610-00-00be-pdt-mac-mlo-6-3-5-and-6-authentication.docx), 10/12/2020  [20/1611r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1611-00-00be-pdt-mac-mlo-6-3-7-to-9-association.docx), 10/12/2020  [20/1659r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1659-00-00be-pdt-mac-mlo-6-3-7-to-6-3-9-association-1.docx), 10/19/2020  [20/1727r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1727-01-00be-pdt-mac-mlo-6-3-x-nsep-priority-access.docx), 01/04/2021  TBD text:  Straw Polled:  PDT text:  [20/1610r1](file:///C:\Users\Edward\Documents\Standards\Wi-Fi\802.11\TGbe\Meeting%20Materials\Official%20documents\Proposed%20resolution%20for%20CIDs%207072,%207048,%207047,%207013,%207006,%207005), 10/12/2020  (SP result: 30Y, 2N, 37A)  [20/1611r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1611-01-00be-pdt-mac-mlo-6-3-7-to-9-association.docx), 10/12/2020  (SP result: No objection)  [20/1659r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1659-01-00be-pdt-mac-mlo-6-3-7-to-6-3-9-association-1.docx), 10/19/2020  (SP result: No objection)  TBD text: | Authentication procedure:  Motion 115, #SP88  Motion 115, #SP91  Motion 115, #SP89  Association, deassociation and reassociation in the ML setup:  Motion 25  Motion 115, #SP76  Motion 115, #SP88  Motion 115, #SP86  Motion 115, #SP87  Motion 115, #SP94  NSEP priority access:  Motion 50  Motion 115, #SP90  Motion 126  Motion 131, #SP207 |
| Frame format | EHT PHY Capabilities Information field | Steve Shellhammer | Yan Zhang, Bo Gong | | R1 | Uploaded:  Presented:  Straw Polled: |  |
| Note – Even though a particular topic is listed as Release 1 it does not necessarily mean that all underlying motions are in Release 1. | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- |
| MAC | Quality of Service for latency sensitive traffic | Chunyu Hu, Frank Hsu, Dave Cavalcanti, Duncan Ho, | Dibakar Das, BARON Stephane, VIGER Pascal, NEZOU Patrice, Thomas Handte, Sharan Naribole, Subir Das, Akhmetov Dmitry, Liuming Lu, Akira Kishida, Mohamed Abouelseoud, Orem Kedem, Xin Zuo, Chittabrata Ghosh, Payam Torab, Leif Wilhelmsson, Sebastian Max, Liangxiao Xin, Jonghun Han, Taewon Song, Mark Rison, Guogang Huang, Yonggang Fang, Jeongki Kim, SunHee Baek | Basics (R1) | Uploaded:  [21/0034r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0034-00-00be-pdt-mac-quality-of-service-for-latency-sensitive-traffic.docx), 01/05/2021  [21/0034r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0034-01-00be-pdt-mac-quality-of-service-for-latency-sensitive-traffic.docx), 01/07/2021  [21/0034r2](https://mentor.ieee.org/802.11/dcn/21/11-21-0034-02-00be-pdt-mac-quality-of-service-for-latency-sensitive-traffic.docx), 01/12/2021  Presented:  Straw Polled: | Motion 112, #SP49  Motion 135, #SP225 |
| MAC | Link latency measurement and report in MLO | Frank Hsu | Akira Kishida, Xin Zuo, Dibakar Das, Liuming Lu | ON HOLD | Uploaded: [20/1267r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1267-00-00be-pdt-mac-link-latency-measurement-and-report-in-mlo.docx), 08/24/2020  [20/1267r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1267-01-00be-pdt-mac-link-latency-measurement-and-report-in-mlo.docx), 08/26/2020  Presented:  Straw Polled: | Motion 119, SP#110 |
| \* Rows that are pending until at least one motion passes on this topic. Currently there is only SP(s) in the compendium SPs document but no motion in the SFD in this topic. | | | | | | |

# Guideline-Spec Text Drafting for TGbe D0.1

* The Chair will call for volunteers for writing spec text for D0.1 of IEEE802.11be. D0.1 is expected to cover topics that are part of Release 1.
  + Any member can volunteer for this task and will be included in the respective topic task team (TTT).
  + Topic classification will be based on the TGbe SFD subclause (assuming there is at least one motions for that subclause).
  + Re-organizations and/or re-classifications may be requested of the TGbe editor if there are structural inconsistencies.
* For each subclause/topic a member will be assigned to be the point of contact (POC).
  + Any member can volunteer to be the POC for a given subclause/topic, however it is recommended that the POC is familiar with the technical details (e.g., has contributed to the TGbe SFD on that topic). Additionally, the POC should have experience in spec text writing.
  + If more than one member volunteers to be a POC for a topic then a quick discussion on the next conf call (to which that topic falls) will be entertained to select the POC.
* POCs responsibilities are as follows:
  + Prepare main skeleton (and spec text for the topic) of the subclauses pertaining to that topic and upload the base document to the mentor website,
    - For ease of identification, all draft text documents to begin with "PDT-" for "Proposed Draft Text, and the topic classification (MAC/PHY/JOINT)" (e.g. 11-20-0999-00be-PDT-MAC-MLO-Power-Save).
  + Start a thread in the TGbe reflector for that topic, which is the point of reference for having discussions and exchanging feedback with other members.
    - Again, for ease of identification, the thread should start with [PDT-MAC/PHY/JOINT]
  + Assign tasks to other volunteering members (e.g., assign portions of spec text in dependent subclauses) that are part of that topic task team (TTT),
  + Merge spec text provided by other members of the TTT into the base document,
  + Ensure that there is no conflict between spec texts provided by members of that TTT.
  + Should ensure that all the concepts for that topic that are present in the TGbe SFD are covered by spec text being developed in the TTT.
* If there is a conflict for a concept within that topic then any member can bring the subject to any of the scheduled conference calls to seek guidance from the TGbe group.
  + Guidance can be in the form of technical feedback, narrowing down options via straw polls.
  + This accelerated path (for spec text discussions) is dedicated to essential components for the functionality or completeness of that feature.
* When the spec text for a particular subclause/topic is ready then the POC should request the respective chairs (MAC/PHY/JOINT) to run a SP for including the prepared spec text to the D0.1 of 11be.
  + The document that is planned to be ran should be posted in the server for at least 7 days prior to running the SP.
  + If the SP is approved then the TGbe editor will include the spec text to the draft, otherwise the spec text will not be included in its current form.
  + The deadline for completing this task is set for **September 1st 2020** (EOD ET).
  + Note: Figures should be provided to the editor in visio format (monochromatic).
* The TGbe editor will then start preparing D0.1. Expectation is for draft D0.1 to be ready in 2 weeks. The draft will then be scheduled for a motion on the subsequent Joint conference call (expected to have Joint conf call on **Wednesday 16th** of September 2020).

# Guideline - R1 vs R2 categorization

* If a motion present in the SFD is explicitly mentioning Release 1 then members (POCs and TTTs) can initiate work on spec text drafting for that topic.
* If a motion present in the SFD is not explicitly mentioning Release 1 or Release 2 then have a straw poll as to whether to include that concept in Release 1.
  + If the straw poll passes, then the concept is assumed to be in Release 1. Members (POCs and TTTs) can initiate work on spec text drafting for D0.1).
  + If the straw poll fails, then the concept is assumed to be in Release 2. Straw poll can be run again in a future conference call if there is an expectation that consensus has been reached. It is still okay to have POCs and TTTs as a reference but spec contributions on that concept will not be entertained for inclusion in D0.1.
* If a motion present in the SFD is explicitly mentioning R2 spec text for that particular concept will not be entertained for inclusion in D0.1. It is still okay to have POCs and TTTs as a reference. Spec text contributions for Release 2 will be entertained for a subsequent draft (details are work in progress).

Feedback received from members on Guideline for R1 vs R2 categorizatoin:

* Q: Tight timeline. Should not discuss R2 during R1 period (for draft spec texting).
  + A: This is one of the intentions of this guideline. In addition, it aims to avoid distractions during the spec text development that may arise from R1 vs R2 discussions. This way members can focus on technical content rather than categorization.
* Q: If a topic is simple then it should be clear for R1.
  + A: In principle that is okay, however the group is expected to determine what topic is defined as simple during the R1 vs. R2 categoriation phase.
* Q: Suggest following motion of January for which topic falls in R1 and R2.
  + A: Current approach is inline with past agreements (e.g., please refer to current status of MAC topics). However, it also aims to clearly categorize those topics that have an ambiguous classification.
* Q: The group should follow guideline strictly so that to avoid misinterpretation.
  + A: That is the intention.
* Q: Maybe have 50% threshold for SPs?
  + Issue with the 50 % threshold is that it is not the same as the 75% threshold that we use for motions. Hence, it does not provide the targeted clarity for R1 vs R2 categorization at an early stage. This is because while the SP may pass with a 50 % threshold, that would not be enough for a motion on that subject to pass at a later stage.
* Q: If there are not many motions in a category then implicitly in R1
  + A: It really depends on how mature the topic is. In some cases, a limited number of motions in a topic can indicate a simple concept which is mature but in other cases it indicates that the development for that concept is at its early stages.