IEEE P802.11
Wireless LANs

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| TGbn D0.1 Spec Text Volunteers and Status |
| Date: 2024-10-31 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Ross Jian Yu | Huawei Technologies |  |  | ross.yujian@huawei.com |
| Alfred Asterjadhi | Qualcomm Inc. | 5775 Morehouse Dr, San Diego, CA 92109 | +1-858-658-5302 | aasterja@qti.qualcomm.com |
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Abstract

This document contains a table with the spec text volunteers and status updates for TGbn D0.1.

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Added more volunteers until 10:30pm ET Oct 15, 2024
* Rev 2: Added more volunteers until 11:50pm ET Oct 16, 2024
* Rev 3: Relfected the PoC discussions and decisions during the call in Oct 17, added more volunteers until 08:00AM ET Oct 21, 2024. Subdivided coordinated beamforming to PHY and MAC per request.
* Rev 4: Put some joint features in Joint Subclauses, added more volunteers until 09:00 PM ET Oct 27, 2024, incorporated changes from MAC ad-hoc. Some potential new 11bn features with no SFD support are highlited in gray, and will reopen PoC discussions when there is at least one motion in SFD.
* Rev 5: Put some joint features in Joint Subclauses, added more volunteers until 08:00 PM ET Oct 23, 2024, incorporated changes from MAC ad-hoc. Some potential new 11bn features with no SFD support are highlited in gray, and will reopen PoC discussions when there is at least one motion in SFD.
* Rev 5: added more volunteers until 09:00 PM ET Oct 27, 2024, some PHY subcluases now only have one PoC after some offline harmonization. No PoCs for MAC and PHY MIB (Annex C) and Mathematical description of signals.
* Rev 6: updated/added more volunteers until 06:00 PM ET Oct 28, 2024
* Rev 7: updated/added more volunteers after the PHY/MAC PoC assignments, until 08:10 PM ET Oct 29, 2024. Sounding procedure part is moved to joint with sounding PPDU still in PHY.
* Rev 8: updated/added more volunteers until 02:00 AM ET Oct 31, 2024. Added member(s) that requested the motion(s).
* Rev 9: updated based on the decisions in the TGbn joint call on Oct 31.

# Suggestions

1. If there are multiple POC volunteers for one topic, try to save time, please:
	1. Send an email to Alfred and Ross if you want to change from PoC to TTT.
	2. POC volunteers exchange emails in advance (include the TTT list as well), subdivide the big topic (e.g., power save) into several subtopics, and take the PoC of each subtopic.
2. For topics with no SFD support, try to get SFD support first.
3. For topics that need no SFD support (which is agreeable to the group), once the group agrees we can assign a POC.

NOTE — Names in BLUE: PoC request received after the deadline.

NOTE — Names in GREEN: members who reexpress their willing to be PoC on Oct 28 teleconference MAC call.

# Joint Subcluases

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| **SFD Topic** | **POC (in alphabetical order of family name)** | **TTT** | **Notes** |
| Enhanced long range extension | Lin Yang | Rethna Pulikkoonattu, Rui Yang, Jiyang Bai, Xuwen Zhao Shengquan Hu, Juan Fang (ELR-SIG and Coding), Leonardo Lanante, Wook Bong Lee, Mahmoud Kamel, Bo Sun, Thomas Handte, Genadiy Tsodik, Bo Cao, Daniel Verenzuela, Rocco Di Taranto, Ying Wang, Bo Gong, Zigui Yang, Junghoon Suh (ELR-LTF and Data improvement), Dongguk Lim, Yunbo Li (MAC), Bo Gong, Chenchen Liu, Junghoon Suh, Ming Gan (MAC), Yapu Li, Toshizoh NOGAMI, Pelin Salem, Lei Zhou, Jeongki Kim (MAC) , Sigurd Schelstraete, Tzu-Hsuan (Henry) Chou, Youhan Kim |  |
| Coordinated beamforming | Jason Yuchen Guo (MAC)Ron Porat (PHY) | Alice Chen, Insik Jung, Pei Zhou, Arik Klein, Leonardo Lanante, Kaiying Lu, Mahmoud Kamel, Tianyu, Fangxin Xu, Qinglai Liu, Yaoshen Cui, Yusuke Tanaka, Genadiy Tsodik, Qisheng Huang, Daniel Verenzuela, Dana Ciochina, Yongho Seok, Sindhu Verma, Okan Mutgan, Kosuke Aio, Anand Jee, Alfred Asterjadhi, Abhishek Patil, Aiguo Yan, Sherief Helwa, You-wei Chen, Wei Dong, Jason Yuchen Guo, Hui Che, Juan Fang, Lyutianyang Zhang, Yanjun Sun, Zigui Yang, Jiayi Zhang, Mario Costa, Juhyung Lee, Dibakar Das, Rubayet Shafin, Vishnu Ratnam, Lei Zhou, Gaurang Naik, Peshal Nayak, Eunsung Jeon, Sigurd Schelstraete, Mahmoud Hasabelnaby, Youhan Kim, George Cherian, Jason Yuchen Guo, Yanchun Li, Ron Porat, Yongho Seok, Shimi Shilo, Yanjun Sun, Sameer Vermani | Motion #29, Jason Y. Guo |
| **Depending on the agreement in the group, the following topics follow previous standard, and will further add details with SFD support.** |
| Trigger Frame for UHR | Alice Chen, Juan Fang, Ming Gan, Mengshi Hu | Mahmoud Kamel, You-wei Chen, Ming Gan, Juan Fang, Manasi Ekkundi, Shengquan Hu, Yan Zhang, Alfred Asterjadhi, Dongguk Lim, Mahmoud Hasabelnaby, Youhan Kim | For further discussion |
| NDP Announcement | Juan Fang, Mengshi Hu, Guogang Huang, Mahmoud Kamel | You-wei Chen, Alice Chen, Pei Zhou, Jiyang Bai, Jiayi Zhang, Juan Fang, Qinghua Li, Insik Jung, Sameer Vermani, Tianyu Wu, Alfred Asterjadhi, Dongguk Lim, Kosuke Aio, Anand Jee, Mahmoud Hasabelnaby, Youhan Kim | For further discussion |
| Sounding procedure | Youwei Chen | Insik Jung Jiayi Zhang, Leonardo Lanante, Bo Cao, Qisheng Huang, Yun Li, Dana Ciochina, Pei Zhou, Alice Chen, Eunsung Jeon, Qinghua Li, Sameer Vermani, Tianyu Wu, Jianhan Liu, Dongguk Lim, Mahmoud Kamel, Kosuke Aio, Rui Yang, Anand Jee, Bo Sun, Genadiy Tsodik, Youhan Kim | Moved from PHY to Joint regarding the procedure |
| Nominal packet padding values selection rules | Mengshi Hu | Eugene Baik, Youhan Kim |  |
| PICS (Annex B) | Edward Au | Alfred Asterjadhi, Youhan Kim, Eugene Baik |  |
| MAC and PHY MIB (Annex C) | Li Quan | Youhan Kim, Eugene Baik |  |

# MAC Subclauses

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| **SFD Topic** | **POC (in alphabetical order of family name)** | **TTT** | **Notes** |
| Roaming | Duncan Ho | Liwen Chu, Xiangxin Gu, Xiandong Dong, Tuncer Baykas, Gaurav Patwardhan, Ning Gao, Pei Zhou Frank Hsu Xuwen Zhao Juseong Moon, Ronny Yongho Kim, John Wullert, Tuncer Baykas, Manasi Ekkundi, Jarkko Kneckt, Pooya Monajemi, Insun Jang, Fangxin Xu, SunHee Baek, Ryuichi Hirata, Thomas Handte, Liangxiao Xin, Liuming Lu, Yunpeng Yang, Arik Klein, Zisheng Wang, Prabodh Varshney, Liubogoshchev, Yun Li, Thomas Derham, Abhishek Chaturvedi, Hang Yang, Alfred Asterjadhi, Subir Das, Abhishek Patil, Peshal Nayak, Zhenpeng Shi, Massinissa Lalam, Julien Sevin,Yuki Fujimori, Haorui Yang, Tomo Adachi, Kyosuke Inoue, Stephane BARON, Brian Hart, Yu Hsien Chang, Rubayet Shafin, Lei Zhou, Gabor Bajko, Shuang Fan, Lili Hervieu, Hanqing Lou, Jeongki Kim, Kosuke Aio, Giovanni Chisci, Liwen Chu, Binita Gupta, Duncan Ho, Guogang Huang, Po-Kai Huang, Jarkko Knect (discovery), Pooya Monajemi (Data plane), Mike Montemurro, Peshal Nayak (context transfer, preparation and discovery), Jay Yang, Yelin Yoon | Motion #2, Yelin YOONMotion #26, Po-Kai HuangMotion #27, Giovanni ChisciMotion #44, Po-Kai Huang |
| Power Save | Liwen Chu | Xiandong Dong, Yajun Cheng, Shawn Kim, Hank Hyeonjun Sung, Zhanjing Bao, Yingqiao Quan, Vishnu Ratnam, Gaurav Patwardhan, Chaoming Luo, Ning Gao, Juseong Moon, Ronny Yongho Kim, Gwangho Lee, Arik Klein, Jiayi Zhang, Qing Xia, Manasi Ekkundi, Yuxin Lu, Frank Hsu, Binita Gupta, Kaiying Lu, Muhammad Kumail Haider, Jeongki Kim. Chittabrata Ghosh, Hanqing Lou, Suhwook Kim, GeonHwan Kim, Hongwon Lee, Fangxin Xu, SunHee Baek, Jaheon Gu, Liangxiao Xin, Liuming Lu, Shuang Fan, Bo Cao, Yurong Qian, Zisheng Wang, Shubhodeep Adhikari, Rocco Di Taranto, Yongsen Ma, Shuyu Shi, Jinho Choi, Yan Li, Alfred Asterjadhi, Yurong Qian, Yanchao Xu, Jason Yuchen Guo, Ming Gan, Maolin Zhang, Hui Che, Massinissa Lalam, Mickael Lorgeoux, Julien Sevin, Tomo Adachi, Woojin Ahn, Brian Hart, Hirohiko INOHIZA, Yu Hsien Chang, Rubayet Shafin, YuHsien Chang, Rakesh Taori, Yonggang Fang, Gaurang Naik, Lili Hervieu, Kiseon Ryu, Peshal Nayak, Xiangxin Gu, SunHee Baek (AP Power save, low/high capability), Laurent Cariou (cross link), Liwen Chu (low/high capability), Ming Gan (STA), Jason Yuchen Guo (cross link), Binita Gupta (AP Power save), Sherief Helwa, Guogang Huang (AP Power save) , Liuming Lu (Client power save), GeonHwan Kim (low/high capability), Neel Krishnan，Morteza Mehrnoush (cross link), Vishnu Ratnam (mobile AP) | Motion #9, Laurent CariouMotion #10, Laurent CariouMotion #45, Sherief HelwaFollow up with members to subdivide the topic |
| NPCA | Matthew Fischer | Liwen Chu, Morteza Mehrnoush, Gaurang Naik, Xiandong Dong, Shawn Kim, Jerome Gu, Yingqiao Quan, Vishnu Ratnam, Mahmoud Hasabelnaby, Chaoming Luo, Ning Gao Yuxin Lu Pascal Viger Juseong Moon Ronny Yongho Kim, Patrice Nezou, Arik Klein John Wullert Aniruddh Kabbinale Serhat Erkucuk, Binita Gupta, Reza Hedayat, Kaiying Lu, Jeongki Kim, Jay Yang, Seongho Byeon, Hanqing Lou, Mahmoud Kamel, Atsushi Shirakawa, Suhwook Kim, Suhwook Jang, Hongwon Lee, Fangxin Xu, Thomas Handte, Liangxiao Xin, Liuming Lu, Shuang Fan, Qisheng Huang, Yurong Qian, Zisheng Wang, Eda Genc, Salvatore Talarico, Charlie Pettersson, Shuyu Shi, Jungjun Kim, Yan Li, Alfred Asterjadhi, Yanchao Xu, Zhenpeng Shi, Yue Zhao, Maolin Zhang, Yunbo Li, Hui Che, Lyutianyang Zhang, Mickael Lorgeoux,Yuki Fujimori, Haorui Yang, Tomo Adachi, Stephane BARON, Hirohiko INOHIZA, Si-Chan Noh, Leonardo Lanante, Dibakar Das, Sakamoto Ryunosuke, Rubayet Shafin, Qing Xia, Lili Hervieu, Kiseon Ryu, Peshal Nayak, Xiangxin Gu, Youhan Kim, Takuhiro Sato, Laurent Cariou, Dongju Cha, Matthew Fischer, Shawn Kim, Yunbo Li, Gaurang Naik, Yue Zhao | Motion #11, Minyoung Park |
| Buffer status report | Frank Hsu | Pei Zhou Pascal Viger Gwangho Lee, Suhwook Kim, Akira Kishida, Liangxiao Xin, Abdel Ajami, Alfred Asterjadhi, Peshal Nayak, Zhenpeng Shi, Maolin Zhang, Binita Gupta, Woojin Ahn, Dibakar Das, Rubayet Shafin, Qing Xia, Behnam Dezfouli, Kiseon Ryu, Peshal Nayak, Muhammad Kumail Haider | Motion #13, Frank Hsu |
| Multi-AP Cooridnation Framework | Arik Klein | Shawn Kim, Jerome Gu, Gaurav Patwardhan Pascal Viger Gwangho Lee, Patrice Nezou John Wullert Jiayi Zhang, Yanjun Sun, Binita Gupta, Kaiying Lu, Insun Jang, Yelin Yoon, SunHee Baek, Gaius Wee, Yaoshen Cui, Yusuke Tanaka, Liuming Lu, Yunpeng Yang, Dana Ciochina, Leif Wilhelmsson, Taeyoung Ha, Kosuke Aio, Tong Bian, Minotani Jun, Abhishek Chaturvedi, Alfred Asterjadhi, Peshal Nayak, Abhishek Patil, Jonghoe Koo, Kaikai Huang, Lyutianyang Zhang, Massinissa Lalam, Rishabh Roy, Brian Hart, Yuxin Lu, Haorui Yang, Woojin Ahn, Kazuto Yano, Kyosuke Inoue, Brian Hart, Hirohiko INOHIZA, Dibakar Das, Lei Zhou, Gaurang Naik, Shuang Fan, Lili Hervieu, Peshal Nayak, Xiangxin Gu, Giovanni Chisci, GeonHwan Kim, Arik Klein, Yongho Seok, Rubayet Shafin, Yanjun Sun, Xiaofei Wang, Jay Yang, Pei Zhou | Motion #50, Arik KleinMotion #51, Arik Klein |
| Coordinated spatial reuse | Jason Yuchen Guo | Alice Chen, Sameer Vermani, Insik Jung, Hank Hyeonjun Sung, Rui Yang, Yuxin Lu, Brian Hart, Yue Qi, Insun Jang, Yaoshen Cui, Yusuke Tanaka, Liuming Lu, Yanchun Li, Yurong Qian, Daniel Verenzuela, Yun Li, Leif Wilhelmsson, Yongho Seok, Kosuke Aio, Minotani Jun, Anand Jee, Alfred Asterjadhi, Kaiying Lu, Kaiying Lu, Wei Dong, Jason Yuchen Guo, Hui Che, Lyutianyang Zhang, Gaurav Patwardhan, Yanjun Sun, Leonardo Lanante, Dibakar Das, Yue Qi, Rubayet Shafin, Vishnu Ratnam, Lei Zhou, Shuang Fan, Peshal Nayak, Youhan Kim, GeonHwan Kim, Liuming Lu (for P2P), Kaiying Lu, Yongho Seok, Yanjun Sun | Motion #29, Jason Guo |
| C-TDMA | Sanket Kalamkar | Liwen Chu, Yajun Cheng, Shawn Kim, Chaoming Luo, Pei Zhou Yuxin Lu Pascal Viger Juseong Moon Ronny Yongho Kim Gwangho Lee, Patrice Nezou, Arik Klein Serhat Erkucuk Brian Hart, Binita Gupta, Si-Chan Noh, Muhammad Kumail Haider, Jeongki Kim, Yue Qi, Insun Jang, Fangxin Xu, Gaius Wee, Liuming Lu, Yanchun Li, Klaus Doppler, Yurong Qian, Zisheng Wang, Eda Genc, Li Quan, Inaki Val Beitia, Dana Ciochina, Yongho Seok, Okan Mutgan, Shuyu Shi, Taeyoung Ha, Tong Bian, Jungjun Kim, Alfred Asterjadhi, Abhishek Patil, Samat Shabdanov, Ming Gan, Yunbo Li, Hui Che, Gaurav Patwardhan, Yanjun Sun, Tomo Adachi, Woojin Ahn, Jonghoe KOO, Hirohiko INOHIZA, Giovanni Chisci, Seongho Byeon, Dibakar Das, Yue Qi, Rubayet Shafin, Lei Zhou, Behnam Dezfouli, Gaurang Naik, Shuang Fan, Lili Hervieu, Kiseon Ryu, Peshal Nayak, Ming Gan, Sanket Kalamkar, GeonHwan Kim, Yunbo Li, Yongho Seok, Samat Shabdanov, Yanjun Sun, Xiaofei Wang | Motion #46, Abhishek Patil |
| Co-RTWT | Giovanni Chisci | Liwen Chu, Xiangxin Gu, Yajun Cheng, Shawn Kim , Zhanjing Bao, Yingqiao Quan, Jiyang Bai, Yuxin Lu Frank Hsu, Pascal Viger, Gwangho Lee, Patrice Nezou, Qing Xia, Brian Hart, Binita Gupta, Muhammad Kumail Haider, Jeongki Kim, Hanqing Lou, Insun Jang, Gaius Wee, Liuming Lu, Yanchun Li, Qisheng Huang, Yurong Qian, Li Quan, Salvatore Talarico, Yun Li, Inaki Val Beitia, Yongho Seok, Shuyu Shi, Sangho Seo, Kerstin Johnsson, Alfred Asterjadhi, Abhishek Patil, Jason Yuchen Guo, Yunbo Li, Hui Che, Jonghoe Koo, Gaurav Patwardhan, Rishabh Roy, Laurent Cariou, Yanjun Sun, Ming Gan, Woojin Ahn, Dibakar Das, Yue Qi, Behnam Dezfouli, Peshal Nayak, SunHee Baek, Giovanni Chisci, Jason Yuchen Guo, Muhammad Kumail Haider, Yunbo Li, Liuming Lu, Yongho Seok, Rubayet Shafin, Yanjun Sun, Xiaofei Wang | Motion #48, Giovanni Chisci |
| In-Device Coexistence | Laurent Cariou | Liwen Chu, Xiangxin Gu, Shawn Kim, Hank Hyeonjun Sung, Yingqiao Quan, Pei Zhou Frank Hsu Pascal Viger Juseong Moon, Ronny Yongho Kim, Brian Hart, Manasi Ekkundi, Binita Gupta, Muhammad Kumail Haider, Qi Wang, Jeongki Kim, Jay Yang, Seongho Byeon, Hanqing Lou, Insun Jang, GeonHwan Kim, Dongju Cha, Fangxin Xu, Jaheon Gu, Liuming Lu, Shuang Fan, Tong Xiao, Abdel Ajami, Kaikai Huang, Shubhodeep Adhikari, Yongsen Ma, Sangho Seo, Alfred Asterjadhi, Peshal Nayak, Yanchao Xu, Jason Yuchen Guo, Zhenpeng Shi, Maolin Zhang, Kaikai Huang, Lyutianyang Zhang, Po-Kai Huang, Yajun Cheng, Hirohiko INOHIZA, Pelin Salem, Yu Hsien Chang, YuHsien Chang, Rakesh Taori, Gaurang Naik, Abdel Ajami, Laurent Cariou, Jason Yuchen Guo, Guogang Huang, Hongwon Lee, Sherief Helwa, Rubayet Shafin | Motion #30, Laurent Cariou |
| TWT SP management | Muhammad Kumail Haider | Zhanjing Bao Pascal Viger Gwangho Lee, Seongho Byeon, SunHee Baek, Thomas Handte, Alfred Asterjadhi, Abhishek Patil, Yue Zhao, Yunbo Li, Jonghoe Koo, Laurent Cariou, Brian Hart, Yajun Cheng, Woojin Ahn, Yingqiao Quan, Giovanni Chisci, Patrice Nezou, Dibakar Das, Rubayet Shafin, Qing Xia, Binita Gupta, Muhammad Kumail Haider, Yunbo Li, Yue Zhao | Motion #31, Kumail Haider |
| Control (ICF/ICR) | Liwen Chu | Hank Hyeonjun Sung, Zhanjing Bao, Vishnu Ratnam, Mahmoud Hasabelnaby, Juseong Moon Ronny, Yongho Kim, Hanqing Lou, Suhwook Kim, Insun Jang, GeonHwan Kim, Dongju Cha, SunHee Baek, Liuming Lu, Dana Ciochina, Abdel Ajami, Binita Gupta, Sindhu Verma, Sangho Seo, Hang Yang, Alfred Asterjadhi, Sherief Helwa, Yanchao Xu, Ming Gan, Zhenpeng Shi, Yue Zhao, Maolin Zhang, Yunbo Li, Laurent Cariou, Yanjun Sun, Po-Kai Huang, Brian Hart, Pei Zhou, Jeongki Kim, Mickael Lorgeoux, Pascal Viger, Si-Chan Noh, Seongho Byeon, Rubayet Shafin, Qing Xia, Rakesh Taori, Shuang Fan, Peshal Nayak, Youhan Kim, SunHee Baek, Liwen Chu, Ming Gan Hongwon Lee, Yunbo Li, Kaiying Lu, Abhishek Patil, Yanjun Sun, Yue Zhao | Includes I-FCS design for ICF.Motion #12, Laurent CariouMotion #47, SunHee Baek |
| **End of topics with at least one motion in the SFD.** |
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| **Depending on the agreement in the group, the following topics follow previous standard, and will further add details with SFD support.**  |
| MLME SAP (Clause 6) | Yan Li | Alfred Asterjadhi, Brian Hart (MAPC), Binita Gupta (roaming, L4S), Lili Hervieu (L4S), Brian Hart (L4S), Pascal Viger (L4S), Osama Aboul-Magd |  |
| UHR MAC Capabilities | Ming Gan | Ming Gan, Lyutianyang Zhang, Binita Gupta, Jay Yang, Insun Jang, Yuxin Lu, Manasi Ekkundi |  |
| UHR Operation Element | Ming Gan | Ming Gan, Lyutianyang Zhang, Binita Gupta, Jay Yang, Insun Jang, Yuxin Lu, Vishnu Ratnam, Youhan Kim |  |
| UHR BSS Operation | Ming Gan | Ming Gan, Binita Gupta, Jay Yang, Insun Jang, Yuxin Lu, Tuncer Baykas, Vishnu Ratnam |  |
| Introduction to UHR MAC | George Cherian | Alfred Asterjadhi, Yunbo Li, Laurent Cariou, Brian Hart (MAPC), Binita Gupta, Insun Jang, Ming Gan, Behnam Dezfouli, Yunbo Li, Mike Montemurro |  |
| Acknolwedge ment procedure | Ming Gan | Ming Gan, Binita Gupta, Liuming Lu, Insun Jang, Tomo Adachi, Jiyang Bai |  |
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| **The following features have presentations for 11bn new features, but has no SFD support. Will reopen the PoC discussions with at least one motion.** |
| PPDU format, BW selection rules |  |  |  |
| Preamble puncturing operation (MAC) | Hanqing Lou | Mahmoud Kamel, Yusuke Asai, Xuwen Zhao, Jiyang Bai, Alice Chen, Jianhan Liu, Bo Sun, Youhan Kim | More for offline discussion on ThurNot assigned yetThe PHY part is in the PHY subclauses |
| Security | Mike Montemurro, Yanjun Sun, Jay Yang (Multi-AP) | Jarkko Kneckt, Xuwen Zhao (Roaming security), Yanjun Sun, Yun Li, Binita Gupta (roaming security), Alfred Asterjadhi, Abhishek Patil, Peshal Nayak, Abhishek Patil, Jonghoe Koo, Julien Sevin, Po-Kai Huang, Nehru Bhandaru (roaming security), Stephen Rodriguez |  |
| TXOP sharing | Yunbo Li, Sanket Kalamkar, Shawn Kim | Jerome Gu, Pei Zhou, Alfred Asterjadhi, Abhishek Patil, Binita Gupta, Mohamed Abouelseoud, Serhat Erkucuk, Brian Hart, Insun Jang, Ming Gan, Stephane BARON, Si-Chan Noh, Giovanni Chisci, Patrice Nezou, Dibakar Das, Yue Qi, Rubayet Shafin, Qing Xia, Behnam Dezfouli, Gaurang Naik, Kiseon Ryu, Peshal Nayak |  |
| UHR SCS/MSCS procedure | Abdel Ajami, Binita Gupta, Guogang Huang, Akira Kishida, Yuxin Lu | Akira Kishida, Abdel Ajami, Alfred Asterjadhi, Gaurav Patwardhan, Insun Jang, Ming Gan, Guogang Huang, Yuxin Lu, Tuncer Baykas, Dibakar Das, Rubayet Shafin, Behnam Dezfouli, Peshal Nayak, Muhammad Kumail Haider, Kosuke Aio, Takuhiro Sato |  |
| Control frame protection | SunHee Baek, Po-Kai Huang, Yanjun Sun | Liwen Chu, Li-Hsiang Sun Xuwen Zhao, Alfred Asterjadhi, Yanjun Sun, Jeongki Kim, Serhat Erkucuk, Nehru Bhandaru, Binita Gupta |  |
| Dynamic Subchannel Operation | Yanchun Li, Morteza Merhnoush, Gaurang Naik, Vishnu Ratnam (ICF exchange) | Liwen Chu, Hank Hyeonjun Sung, Tuncer Baykas, Vishnu Ratnam, Chaoming Luo Tuncer Baykas, Reza Hedayat, Kaiying Lu, Jay Yang, Seongho Byeon, Mahmoud Kamel, Liuming Lu, Shuang Fan, Li Quan, Binita Gupta, Rocco Di Taranto, Kerstin Johnsson, Alfred Asterjadhi, Yanchao Xu, Shubhodeep Adhikari, Mickael Lorgeoux, Laurent Cariou, Hanqing Lou, Yuki Fujimori, Tomo Adachi, Jiyang Bai, Dongju Cha, Si-Chan Noh, Leonardo Lanante, Rubayet Shafin, Aniruddh Kabbinale, Youhan Kim, Takuhiro Sato |  |
| Enhanced Channel Access | Dmitry Akhmetov, Jason Yuchen Guo, Yunbo Li, Peshal Nayak | Jerome Gu, Mingyu LEE, John Wullert, Reza Hedayat, Kiseon Ryu, Yonggang Fang, Yue Qi, Atsushi Shirakawa, Akira Kishida, Patrice Nezou, Qisheng Huang, Zisheng Wang, Charlie Pettersson, Hang Yang, Alfred Asterjadhi, Subir Das, Peshal Nayak, Jason Yuchen Guo, Yunbo Li, Binita Gupta, Massinissa Lalam, Mohamed Abouelseoud, Kiseon Ryu, Insun Jang, Ming Gan, Pei Zhou, Tomo Adachi, Jiyang Bai, Shawn Kim, Jeongki Kim, Stephane BARON, Giovanni Chisci, Dibakar Das, Yue Qi, Peshal Nayak, Sigurd Schelstraete, Muhammad Kumail Haider, Kosuke Aio |  |
| P2P | Iñaki Val Beitia, Guogang Huang, Sanket Kalamkar, Rubayet Shafin | Yingqiao Quan Pascal Viger, Alfred Asterjadhi, Abhishek Patil, Inaki Val Beitia, Serhat Erkucuk, Brian Hart, Insun Jang, Ming Gan, Pei Zhou, Tomo Adachi, Dibakar Das, Yue Qi, Binita Gupta, Peshal Nayak, Jiyang Bai, Muhammad Kumail Haider |  |
| Relay operation | Guogang Huang, Peshal Nayak | Pei Zhou, Akira Kishida, Alfred Asterjadhi, Serhat Erkucuk, Ming Gan, Yuxin Lu, Tomo Adachi, Dibakar Das, Yue Qi, Kosuke Aio |  |
| Preemption | Insun Jang, Yunbo Li, Yuxin Lu, Yue Qi | Yonggang Fang, Yue Qi, Akira Kishida, Jaheon Gu, Bo Cao, Leif Wilhelmsson, Okan Mutgan, Tong Bian, Hang Yang, Alfred Asterjadhi, John Wullert, Yurong Qian, Yunbo Li, Binita Gupta, Si-Chan Noh, Mohamed Abouelseoud, Jinho Choi, Yuxin Lu, Haorui Yang, Tomo Adachi, Serhat Erkucuk, Jiayi Zhang, Giovanni Chisci, Jerome Gu, Gaius Yao Huang Wee, Qinglai Liu, Yue Qi, Behnam Dezfouli, Shuang Fan, Xiangxin Gu | "Preemption" and "Indication and Notification of low latency related features" are related to each other.The group may discuss whether to merge the two topics. |
| Indication and Notification of low latency related features | Mohamed Abouelseoud, Akira Kishida, Yuxin Lu, Peshal Nayak, Yue Qi, Kiseon Ryu, Yue Zhao | Akira Kishida, Alfred Asterjadhi, Yue Zhao, Mohamed Abouelseoud, Jinho choi, Reza Hedayat, Yonggang Fang, Dmitry Akhmetov, Yue Qi, Binita Gupta, Insun Jang, Ming Gan, Yuxin Lu, Jeongki Kim, Serhat Erkucuk, Si-Chan Noh, Giovanni Chisci, Patrice Nezou, Dibakar Das, Jerome Gu, Gaius Yao Huang Wee, Qinglai Liu, Yue Qi, Xiangxin Gu |  |
| AP ID assignment | Sanket Kalamkar, GeonHwan Kim, Samat Shabdanov, Jay Yang | Alfred Asterjadhi, Abhishek Patil, Samat Shabdanov, Brian Hart, Pei Zhou, Tomo Adachi, Jiayi Zhang, Jonghoe KOO, Giovanni Chisci, Patrice Nezou, Dibakar Das, Rubayet Shafin, Binita Gupta, Peshal Nayak | Part of Multi-AP coordination framework, if needed |
| Extension of WLAN interworking | Akira Kishida | Akira Kishida, Alfred Asterjadhi |  |
| L4S | Binita Gupta, Lili Hervieu | Okan Mutgan, Alfred Asterjadhi, Prabodh Varshney, Yan Li, Yuxin Lu, Lili Hervieu, Brian Hart, Pascal Viger, Qing Xia, Behnam Dezfouli, Peshal Nayak |  |
| Dynamic bandwidth selection | Binita Gupta | Peshal Nayak |  |
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# PHY Subclauses

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| **SFD Topic** | **POC (in alphabetical order of family name)** | **TTT** | **Notes** |
| DRU | Jianhan Liu | Rui Yang, Yapu Li, Jiyang Bai, Xuwen Zhao, Shengquan Hu, Leonardo Lanante, Yan Zhang, Mahmoud Kamel, Yusuke Asai, Bo Sun, Thomas Handte, Genadiy Tsodik, Yan Xin, Bo Cao, Qisheng Huang, Daniel Verenzuela, Ke Zhong, Ying Wang, Aiguo Yan, Lin Yang, Ryota Yamada, Juan Fang, Bo Gong (tone plan and STF), Mengshi Hu (L-preamble, pilot), Chenchen Liu (LTF, tone plan), Eunsung Park, Yapu Li, Toshizoh NOGAMI, Sara Norouzi, Brian Hart, Lei Zhou, Tzu-Hsuan (Henry) Chou, Jianhan Liu, Youhan Kim | SFD Subcaluses:2.2.1 General2.2.2 Tone plan2.2.3 L-preamble2.2.4 UHR-STF2.2.5 Pilot |
| UEQM and new MCS | Rui Cao | Sameer Vermani, Shimi Shilo, Ning Gao, Dongguk Lim, Jiyang Bai, Aniruddh Kabbinale Shengquan Hu, Juan Fang (UEQM-stream parser/segment parser, UEQM-LDPC rate matching, UEQM-timing-related parameters), Bo Sun, Oded Redlich, Bo Cao, Qisheng Huang, Kanke Wu, Aiguo Yan, Ryota Yamada, Rethna Pulikkoonattu, Alice Chen, Mengshi Hu, Ying Wang, Leonardo Lanante, Sara Norouzi, Lei Zhou, Sigurd Schelstraete, Jianhan Liu, Youhan Kim, Qinghua Li | SFD Subcaluses:2.3.1 General2.3.2 Signaling |
| LDPC enhancement | Rethna Pulikkoonattu | Sameer Vermani Xuwen Zhao Shengquan Hu, Juan Fang (2x LDPC rate matching) , Yan Zhang, Bo Sun, Bo Cao, Qisheng Huang, Ying Wang, Yan Xin (MAC) , Leonardo Lanante, Sigurd Schelstraete, Jianhan Liu, Youhan Kim |  |
| Interference Mitigation | Shimi Shilo | Xuwen Zhao, Daniel Verenzuela, Ke Zhong, Jianhan Liu, Mahmoud Kamel, Eugene Baik, Pelin Salem, Shengquan Hu, Jianhan Liu, Anand Jee, Bo Sun, Youhan Kim, Ratnesh Kumbhkar |  |
| **End of topics with at least one motion in the SFD.** |
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| **Depending on the agreement in the group, the following topics follow previous standard, and will further add details with SFD support.** |
| UHR PHY Capabilities in UHR Caps IE  | Eugene Baik | Juan Fang, Mengshi Hu, Brian Hart, Youwei Chen, Wook Bong Lee, Jianhan Liu, Bo Sun, Youhan Kim |  |
| Introduction to the UHR PHY | Bin Tian | Eugene Baik, Bo Gong, Shengquan Hu, Jianhan Liu, Bo Sun, Youhan Kim |  |
| UHR PHY service interface | Bo Sun | Yan Li, Bo Gong, Jianhan Liu, Bo Sun, Youhan Kim |  |
| Null subcarriers | Bo Gong | Bo Gong, Alice Chen, Jianhan Liu, Chenchen Liu, Eunsung Park, Bo Sun, Youhan Kim | Part of Subcarrier and resource allocation |
| Pilot subcarriers | Chenchen Liu | Bo Gong, Lin Yang, Jianhan Liu, Eunsung Park, Bo Sun, Youhan Kim |  |
| RU/MRU restrictions for 20MHz operation | Eunsung Park | Bo Gong, Xuwen Zhao, Jiyang Bai, Lin Yang, Shengquan Hu, Jianhan Liu, Yan Xin, Bo Gong, Bo Sun, Youhan Kim |  |
| UHR PPDU format | Dongguk Lim | Genadiy Tsodik, Xuwen Zhao, Alice Chen, Shengquan Hu, Wook Bong Lee, Jianhan Liu, Rui Yang, Bo Sun, Youhan Kim, Qinghua Li |  |
| Transmit block diagram | Yusuke Asai | Mengshi Hu, Jianhan Liu, Qinghua Li, Eugene Baik, Shengquan Hu, Jianhan Liu, Bo Sun, Youhan Kim |  |
| Overview of the PPDU encoding process | Junghoon Suh | Juan Fang (2x LDPC, ELR), Eugene Baik, Shengquan Hu, Jianhan Liu, Mengshi Hu, Bo Sun, Youhan Kim |  |
| Timing-Related Parameters | Mengshi Hu | Eugene Baik, Juan Fang, Shengquan Hu, Kanke Wu, Jianhan Liu, Bo Sun, Youhan Kim | Basic table, may come out first, and may be updated later. |
| Mathematical description of signals | Edward Au | Shengquan Hu, Wook Bong Lee, Jianhan Liu, Bo Sun, Leonardo Lanante, Juan Fang, Leonardo Lanante, Youhan Kim, Eugene Baik |  |
| Legacy Preamble | Dongguk Lim | Xuwen Zhao, Lin Yang, Wook Bong Lee, Jianhan Liu, Junghoon Suh, Rui Yang, Bo Sun, Leonardo Lanante | Part of UHR Preamble |
| U-SIG | Alice Chen | Juan Fang, Oded Redlich, You-wei Chen, Mengshi Hu, Dongguk Lim, Xuwen Zhao, Leonardo Lanante, Shengquan Hu, Sigurd Schelstraete, Tianyu Wu, Jianhan Liu, Mahmoud Kamel, Ying Wang, Bo Sun, Youhan Kim |  |
| UHR-SIG | Mengshi Hu | Juan Fang, Oded Redlich, You-wei Chen, Xuwen Zhao, Leonardo Lanante, Brian Hart, Juan Fang, Shengquan Hu, Sameer Vermani, Sigurd Schelstraete, Tianyu Wu, Jianhan Liu, Alice Chen, Juan Fang, Mahmoud Kamel, Ying Wang, Bo Sun, Youhan Kim |  |
| UHR-STF | Eunsung Park | Chenchen Liu, Lin Yang, Shengquan Hu, Yan Zhang, Jianhan Liu, Bo Sun, Leonardo Lanante, Youhan Kim |  |
| UHR-LTF | Chenchen Liu  | Eunsung Park, Mahmoud Kamel, Lin Yang, Shengquan Hu, Yan Zhang, Tzu-Hsuan (Henry) Chou, Bo Sun, Leonardo Lanante, Youhan Kim |  |
| Preamble puncturing (PHY) | Oded Redlich | Mahmoud Kamel, Yusuke Asai, Xuwen Zhao, Jiyang Bai, Alice Chen, Jianhan Liu, Bo Sun, Youhan Kim | More for offline discussion on ThurNot assigned yetThe MAC part goes to the MAC subclauses |
| Data field | Chenchen Liu | Shengquan Hu, Wook Bong Lee, Yan Zhang, Kanke Wu, Tzu-Hsuan (Henry) Chou, Jianhan Liu, Bo Sun, Leonardo Lanante, Youhan Kim | Newly added in r3Could be covered by other topics, PoCs and TTTs, if needed.In 802.11be:* Sevice field
* PHY Data Scrambler and descrambler
* Coding
* Stream Parser
* BCC interleavers
* Constellation mapping
* LDPC tone mapper
* Segment deparser
* Freq domain duplication
* Pilot subcarriers
* OFDM modulation
* Dual carrier modulation
 |
| Packet Extension | Mengshi Hu | Lin Yang, Shengquan Hu, Jianhan Liu, Bo Sun, Juan Fang, Youhan Kim |  |
| Transmit requirements for PPDUs sent in response to a triggering frame | Juan Fang | Lin Yang, YuHsien Chang, Shengquan Hu, Jianhan Liu, Bo Sun, Mengshi Hu, Youhan Kim |  |
| Sounding (PHY) | Youwei Chen | Insik Jung Jiayi Zhang, Leonardo Lanante, Bo Cao, Qisheng Huang, Yun Li, Dana Ciochina, Pei Zhou, Alice Chen, Eunsung Jeon, Qinghua Li, Sameer Vermani, Tianyu Wu, Jianhan Liu, Dongguk Lim, Mahmoud Kamel, Kosuke Aio, Rui Yang, Anand Jee, Bo Sun, Genadiy Tsodik, Youhan Kim |  |
| Transmit specification | Genadiy Tsodik | Yusuke Asai, Alice Chen, YuHsien Chang, Shengquan Hu, Yan Zhang, Jianhan Liu, Rui Yang, Bo Sun, Mahmoud Kamel, Yusuke Asai, Youhan Kim | In 802.11be:* Transmit spectral mask
* Spectral flatness
* Transmit center frequency and symbol clock frequency tolerance
* Modulation accuracy
 |
| Receiver specification | Juan Fang | Eugene Baik, YuHsien Chang, Shengquan Hu, Jianhan Liu, Bo Sun, Mahmoud Kamel, Youhan Kim | Newly added in r3In 802.11be:* General
* Receiver minimum input sensitivity
* Adjacent channel rejection
* Nonadjacent channel rejection
* Receiver maximum input level
* CCA sensitivity
 |
| Transmit procedure | Xiaogang Chen | Xiaogang Chen, Wook Bong Lee, Jiyang Bai, Jianhan Liu, Shengquan Hu, Ying Wang, Rui Yang, Bo Sun, Mahmoud Kamel, Youhan Kim | Newly added in r3 |
| Receive Procedure | Xiaogang Chen | Bo Gong, Yapu Li, Xiaogang Chen, Juan Fang, Lin Yang (ELR), Wook Bong Lee, Jiyang Bai, Jianhan Liu, Shengquan Hu, Ying Wang, Bo Sun, Leonardo Lanante, Mahmoud Kamel, Youhan Kim |  |
|  |  |  |  |