IEEE P802.11  
Wireless LANs

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| IEEE 802.11bd August-September 2021 TC meeting minutes | | | | |
| Date: 2021-08-10 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Yan Zhang | NXP | 350 Holger Way, San Jose, CA, |  | [yan.zhang\_5@nxp.com](mailto:yan.zhang_5@nxp.com) |

Abstract

This document includes minutes of all IEEE 802.11bd teleconferences on August 10th , 17th, 24th, 31st and September 7th.

Version Tracking:

R0: August 10th , 17th, 24th, 31st and September 7th teleconference meetings minutes

# Tuesday 10 August 2021 @ 10:00-11:59 am ET

## Opening (IEEE 802.11-21/1303r0)

* 1. Call to order 10:00 am ET
  2. Chair instructed members to record attendance in IMAT.
  3. Chair introduced the patent policy and meeting rules (slides 2-6).
  4. No response to the call for patents.
  5. Chair introduced IEEE-SA COPYRIGHT POLICY (slides 7-9)
  6. Chair reviewed other Guidelines for IEEE WG Meetings (slides 10-13)
  7. Chair reviewed current Teleconference plan, TGbd Documents Update, and current TGbd Timeline (slides 14-17)
  8. Chair introduced the task group leadership (slide 18)

## Agenda (IEEE 802. 11-21/1303r0)

* 1. Chair presented the agenda: https://mentor.ieee.org/802.11/dcn/21/11-21-1303-00-00bd-tgbd-teleconference-agenda-for-aug-2021. (slide 19):
     + Call meeting to order and remind the group to record attendance on imat.ieee.org
     + IEEE-SA IPR policies and meeting rules
     + Call for tech editor candidate
     + Approval of agenda (slide 19)
     + Recirculation LB 254 report
     + Comment Assignment (11-21/1296r0)
     + Presentations and discussion
       - Call for submission
     + Adjourn; next TC on Aug. 17th
  2. Agenda was approved without objection

## Recirculation WG LB 254 Report

* 1. Approval percentage is 88.50% for LB254 with 200 approval votes.

## Comment Assignment

* 1. Chair assigned comments to individuals based on D1.0 comment assignments.

## Presentations and discussion

* 1. Four TCs are scheduled on August 10th, 17th, 24th, and 31th.

## Closing

* 1. Any other business
     + None
  2. Chair adjourned the teleconference at 11:39 am ET.
  3. Next TC will be on August 17th

**Attendance from IMAT**

| **Name** | **Affiliation** |
| --- | --- |
| An, Song-Haur | INDEPENDENT |
| Zaman, Malia | IEEE Standards Association (IEEE-SA) |
| Sun, Bo | ZTE Corporation |
| Kenney, John | TOYOTA infoTechnology Center U.S.A |
| Levy, Joseph | InterDigial, Inc. |
| Edelmayer, Andras | Commsignia |
| Yan, Zhang | NXP Semiconductors |
| Sand, Stephan | DLR |
| Liwen, Chu | NXP Semiconductors |
| Motozuka, Hiroyuki | Panasonic Corporation |
| Kain, Carl | USDoT |

# Tuesday 17 August 2021 @ 10:00-11:59 am ET

## Opening (IEEE 802.11-21/1303r1)

* 1. Call to order 10:00 am ET
  2. Chair instructed members to record attendance in IMAT.
  3. Chair introduced the patent policy and meeting rules (slides 2-6).
  4. No response to the call for patents.
  5. Chair introduced IEEE-SA COPYRIGHT POLICY (slides 7-9)
  6. Chair reviewed other Guidelines for IEEE WG Meetings (slides 10-13)
  7. Chair reviewed current Teleconference plan, TGbd Documents Update, and current TGbd Timeline (slides 14-17)
  8. Chair introduced the task group leadership (slide 21)

## Agenda (IEEE 802. 11-21/1303r1)

* 1. Chair presented the agenda: https://mentor.ieee.org/802.11/dcn/21/11-21-1303-01-00bd-tgbd-teleconference-agenda-for-aug-2021. (slide 22):
     + Call meeting to order and remind the group to record attendance on imat.ieee.org
     + IEEE-SA IPR policies and meeting rules
     + Call for tech editor candidate
     + Approval of agenda (slide 22)
     + Comment Assignment (11-21/1296r1)
     + Presentations and discussion
       - 11-21/1343r0, Resolutions to 32.3.5 NGV modulation and coding schemes, Yujing (Senscomm)
       - 11-21/1344r0, Resolutions to 32.3.8.2 Non\_NGV portion of NGV format preamble, Yujing (Senscomm)
       - 11-21/1345r0, Resolutions to 32.3.8.3 NGV portion of NGV format preamble, Yujing (Senscomm)
       - 11-21/1346r0, Resolutions to 32.3.10 Transmit specification, Yujing (Senscomm)
       - 11-21/1347r0, Resolutions to 32.3.12 NGV Transmit procedure, Yujing (Senscomm)
       - 11-21/1348r0, Resolutions to 32.3.13 NGV Receive procedure, Yujing (Senscomm)
       - 11-21/1371r0, CID 2124 resolution for LB-254, Joseph Levy (InterDigital)
       - 11-21/1372r0, Clause 31.2.3 comment resolution for LB-254, Joseph Levy (InterDigital)
     + Adjourn; next TC on Aug. 24th
  2. Agenda was approved without objection

## Editorial Comment Assignment

* 1. Editor will check if any editorial comments are technical comments.

## 11-21/1343r0, Resolutions to 32.3.5 NGV modulation and coding schemes, Yujing (Senscomm)

* 1. CID 2020, 2181: No discussion.

## 11-21/1344r0, Resolutions to 32.3.8.2 Non\_NGV portion of NGV format preamble, Yujing (Senscomm)

* 1. CID 2029, 2094, 2185, 2030, 2188, 2031: No discussion.
  2. CID 2031: A question was asked why eta\_RLSIG is needed in the question since it is always one. The presenter answered that it is just for the consistency with other equations where eta is included such as eta\_LSIG. The commenter suggests to remove eta terms in all equations where power boost is not applied.

## 11-21/1345r0, Resolutions to 32.3.8.3 NGV portion of NGV format preamble, Yujing (Senscomm)

* 1. CID 2032, 2033: No discussion.
  2. CID 2098: A comment was made that he has similar editorial comment CID 2189 as this one.
  3. CID 2190, 2037, 2038, 2191, 2040: No discussion.
  4. CID 2104: A comment was made that LTF-REP should be LTF\_REP in the equation. An comment was asked how NNGV\_LTF is defined. The presenter answered that she will check the other texts in the spec.

## 11-21/1346r0, Resolutions to 32.3.10 Transmit specification, Yujing (Senscomm)

* 1. CID 2197, 2198: No discussion.
  2. CID 2109: A comment was made that the CID should be rejected if the modification does not include any suggested change. Another comment was made that the suggest change actually makes sense. The presenter agreed to modify her resolution accordingly.

## 11-21/1347r0, Resolutions to 32.3.12 NGV Transmit procedure, Yujing (Senscomm)

* 1. CID 2047, 2114: No discussion.
  2. CID 2114: A comment was made the he did not agree with the language of rejection text.
  3. CID 2116: A comment was made that the text “once per state” seems problematic. The presenter answered that this sentence is not needed in 11be spec. However the sentence is present in all 802.11 specs. Another comment was made that this sentence is needed for each state in the following diagram. A following comment was made that the diagram does not seem like a state machine diagram. The chair suggested to contact the original owner of the diagram for better explanations.
  4. CID 2115, 2203: No discussion

## 11-21/1348r0, Resolutions to 32.3.13 NGV Receive procedure, Yujing (Senscomm)

* 1. CID 2048, 2117, 2118: No discussion.

## 11-21/1371r0, CID 2124 resolution for LB-254, Joseph Levy (InterDigital)

* 1. CID 2124: No discussion.

## 11-21/1372r0, Clause 31.2.3 comment resolution for LB-254, Joseph Levy (InterDigital)

* 1. CID 2001: A comment was made that the maximum PPDU duration will be updated in PHY which is double of the 5484us, hence the maximum length needs to be updated in MAC. The presenter agreed that some entries in the table needs to be updated corresponding to the updated maximum PPDU duration. A comment was made that there are other tables also need to be updated due to this change. Another comment was made whether some countries regulation has other maximum PPDU duration limitations. A following comment was made that 10.868ms is calculated from L-LENGTH in LSIG, not from regulations. The presenter agreed to check if there is any regulation limits.
  2. CID 2002: A comment was made that MCS15 is only for 1SS, not 2SS.

## Closing

* 1. Any other business
     + None
  2. Chair adjourned the teleconference at 11:59 am ET.
  3. Next TC will be on August 24th

**Attendance from IMAT**

| **Name** | **Affiliation** |
| --- | --- |
| An, Song-Haur | INDEPENDENT |
| Orlando, Christian | IEEE Standards Association (IEEE-SA) |
| Cao, Rui | NXP Semiconductor |
| Sun, Bo | ZTE Corporation |
| Kenney, John | TOYOTA InfoTechnology Center U.S.A |
| Levy, Joseph | InterDigial, Inc. |
| Edelmayer, Andras | Commsignia |
| Noh, Yujin | Newracom Inc. |
| Oyama, Satoshi | ARIB |
| Yan, Zhang | NXP Semiconductors |
| Roy, Richard | Self Employed |
| Sand, Stephan | DLR |
| Motozuka, Hiroyuki | Panasonic Corporation |
| Sosack, Robert | Molex Incorporated |
| Stanley, Dorothy | Hewlett Packard Enterprise |

# Tuesday 24 August 2021 @ 10:00-11:59 am ET

## Opening (IEEE 802.11-21/1303r2)

* 1. Call to order 10:00 am ET
  2. Chair instructed members to record attendance in IMAT.
  3. Chair introduced the patent policy and meeting rules (slides 2-6).
  4. No response to the call for patents.
  5. Chair introduced IEEE-SA COPYRIGHT POLICY (slides 7-9)
  6. Chair reviewed other Guidelines for IEEE WG Meetings (slides 10-13)
  7. Chair reviewed current Teleconference plan, TGbd Documents Update, and current TGbd Timeline (slides 14-17)
  8. Chair introduced the task group leadership (slide 23)

## Agenda (IEEE 802. 11-21/1303r2)

* 1. Chair presented the agenda: https://mentor.ieee.org/802.11/dcn/21/11-21-1303-02-00bd-tgbd-teleconference-agenda-for-aug-2021. (slide 24):
     + Call meeting to order and remind the group to record attendance on imat.ieee.org
     + IEEE-SA IPR policies and meeting rules
     + Call for tech editor candidate
     + Approval of agenda (slide 24)
     + SP for presented CRs
       - 11-21/1343r0, Resolutions to 32.3.5 NGV modulation and coding schemes, Yujing (Senscomm)
       - 11-21/1344r1, Resolutions to 32.3.8.2 Non\_NGV portion of NGV format preamble, Yujing (Senscomm)
       - 11-21/1345r1, Resolutions to 32.3.8.3 NGV portion of NGV format preamble, Yujing (Senscomm)
       - 11-21/1346r1, Resolutions to 32.3.10 Transmit specification, Yujing (Senscomm)
       - 11-21/1347r1, Resolutions to 32.3.12 NGV Transmit procedure, Yujing (Senscomm)
       - 11-21/1349r0, Visio for 32.3.12 NGV transmit procedure , Yujin Noh (Senscomm)
       - 11-21/1348r0, Resolutions to 32.3.13 NGV Receive procedure, Yujing (Senscomm)
       - 11-21/1350r0, Visio for 32.3.13 NGV receive procedure , Yujin Noh (Senscomm)
       - 11-21/1371r1, CID 2124 resolution for LB-254, Joseph Levy (InterDigital)
     + Presentations and discussion
       - 11-21/1372r2, Clause 31.2.3 comment resolution for LB-254, Joseph Levy (InterDigital)
       - 11-21/1373r0, CID 2164 resolution for LB-254, Joseph Levy (InterDigital)
       - 11-21/1389r0, LB254 comment resolution clause 32.3.15, Stephan Sand (DLR)
     + Adjourn; next TC on Aug. 31st
  2. Agenda was approved without objection

## SP for 11-21/1343r0, Resolutions to 32.3.5 NGV modulation and coding schemes, Yujing (Senscomm)

* 1. Do you agree on the comment resolution to the following 2 CID and proposed modification to IEEE P802.11bd D2.0 as in 11-21/1343r0?
     + CID 2020 and 2181
     + Y/N/A: No objection

## SP for 11-21/1344r1, Resolutions to 32.3.8.2 Non\_NGV portion of NGV format preamble, Yujing (Senscomm)

* 1. Do you agree on the comment resolution to the following 12 CID and proposed modification to IEEE P802.11bd D2.0 as in 11-21/1344r1?
     + CID 2029, 2032, 2189,2033, 2098,2034, 2094, 2185, 2030, 2198,2188, and 2031
     + Y/N/A: No objection

## SP for 11-21/1345r1, Resolutions to 32.3.8.3 NGV portion of NGV format preamble, Yujing (Senscomm)

* 1. Do you agree on the comment resolution to the following 6 CID and proposed modification to IEEE P802.11bd D2.0 as in 11-21/1345r1?
     + CID 2190,2037,2038,2191,2039, and 2040
     + Y/N/A: No objection

## SP for 11-21/1346r1, Resolutions to 32.3.10 Transmit specification, Yujing (Senscomm)

* 1. Do you agree on the comment resolution to the following 3 CID and proposed modification to IEEE P802.11bd D2.0 as in 11-21/1346r1?
     + CID 2197, 2198 and 2109
     + Y/N/A: No objection

## SP for 11-21/1347r1, Resolutions to 32.3.12 NGV Transmit procedure, Yujing (Senscomm)

* 1. Do you agree on the comment resolution to the following 4 CID and proposed modification to IEEE P802.11bd D2.0 as in 11-21/1347r1 and proposed modification to Figure 32-14 as in 11-21/1349r0?
     + CID 2047, 2116, 2115 and 2203
     + Y/N/A: No objection.

## SP for 11-21/1348r0, Resolutions to 32.3.13 NGV Receive procedure, Yujing (Senscomm)

* 1. Do you agree on the comment resolution to the following 3 CID and proposed modification to IEEE P802.11bd D2.0 as in 11-21/1348r0 and proposed modification to Figure 32-17 as in 11-21/1350r0?
     + CID 2048, 2117, and 2118.
     + Y/N/A: No objection.

## SP for 11-21/1371r2, CID 2124 resolution for LB-254, Joseph Levy (InterDigital)

* 1. Do you agree on the comment resolution to CID 2124 and proposed modification to IEEE P802.11bd D2.0 as in 11-21/1371r2?
     + Y/N/A: No objection

## 11-21/1372r2, Clause 31.2.3 comment resolution for LB-254, Joseph Levy (InterDigital)

* 1. CID 2001, 2161 update: Added maximum NGV MPDU length for MCS15 with 1SS and 2SS. A question was asked why the length is doubled here. It was answered that that is due to NGV is downclocked from 11ac. A following question was asked if it is correct that just doubling 11ac maximum duration. It is answered that maximum duration is related to maximum allowed L-SIG length. Another question was asked whether maximum duration in table 32-19 NGV PHY characteristics should be modified as well. It was answered that it will be resolved in another CR document. Another comment was made that 10.968ms seems very long for a packet to occupy the medium, it may violate regulatory restriction such as duty cycle duration in Europe. It is suggested to add a note at the end of the table to consider local regulatory restriction while maximum PPDU duration is based on PHY capability. The presenter asked if it is needed to add different Maximum NGV MPDU length tables for different local regulatory restrictions, or keep original table 31-1 as an example for duration 5.484ms. A comment was made that it is preferred to have a table as an example for maximum PHY capability duration 10.968ms, and provide equations to generate Maximum NGV MPDU length for other durations. These CIDs will be updated in the later meeting.

## 11-21/1373r0, CID 2164 resolution for LB-254, Joseph Levy (InterDigital)

* 1. CID 2164: No discussion.

## 11-21/1389r0, LB254 comment resolution clause 32.3.15, Stephan Sand (DLR)

* 1. CID 2119: A comment was made that the Equation number is not (32-39), it should be (32-29) in discussion part. Another comment was made that it is suggested to change number of repetitions to number of transmissions instead according to 11me related CR.
  2. CID 2120, 2121: A comment was made that it is better to remove minus 1 from LTF\_REP definition, but it is still confusing. The commentor prefers to replace repetition with transmission. The presenter answered that LTF\_REP refers number of LTF symbol repetitions after first transmission.

## Closing

* 1. Any other business
     + None
  2. Chair adjourned the teleconference at 12:02 pm ET.
  3. Next TC will be on August 31st

**Attendance from IMAT**

| **Name** | **Affiliation** |
| --- | --- |
| An, Song-Haur | INDEPENDENT |
| Bahn, Christy | IEEE Standards Association (IEEE-SA) |
| Cao, Rui | NXP Semiconductor |
| Sun, Bo | ZTE Corporation |
| Kenney, John | TOYOTA InfoTechnology Center U.S.A |
| Levy, Joseph | InterDigial, Inc. |
| Edelmayer, Andras | Commsignia |
| Noh, Yujin | Newracom Inc. |
| Oyama, Satoshi | ARIB |
| Yan, Zhang | NXP Semiconductors |
| Sand, Stephan | DLR |
| Motozuka, Hiroyuki | Panasonic Corporation |
| Sosack, Robert | Molex Incorporated |
| Chu, Liwen | NXP Semiconductors |
| Lopez,Miguel | Ericsson AB |

# Tuesday 31 August 2021 @ 10:00-11:59 am ET

## Opening (IEEE 802.11-21/1303r3)

* 1. Call to order 10:00 am ET
  2. Chair instructed members to record attendance in IMAT.
  3. Chair introduced the patent policy and meeting rules (slides 2-6).
  4. No response to the call for patents.
  5. Chair introduced IEEE-SA COPYRIGHT POLICY (slides 7-9)
  6. Chair reviewed other Guidelines for IEEE WG Meetings (slides 10-13)
  7. Chair reviewed current Teleconference plan, TGbd Documents Update, and current TGbd Timeline (slides 14-17)
  8. Chair introduced the task group leadership (slide 32)

## Agenda (IEEE 802. 11-21/1303r3)

* 1. Chair presented the agenda: https://mentor.ieee.org/802.11/dcn/21/11-21-1303-03-00bd-tgbd-teleconference-agenda-for-aug-2021. (slide 33):
     + Call meeting to order and remind the group to record attendance on imat.ieee.org
     + IEEE-SA IPR policies and meeting rules
     + Call for tech editor candidate
     + Approval of agenda (slide 33)
     + TGbd Tech Editor Confirmation motion
     + Comment assignment update (Editor)
     + SP for presented CRs
       - 11-21/1373r0, CID 2164 resolution for LB-254, Joseph Levy (InterDigital)
     + Presentations and discussion
       - 11-21/1389r1, LB254 comment resolution clause 32.3.15, Stephan Sand (DLR)
       - 11-21/1411r0, D2.0 comment resolution subclause 31.2.1, Liwen Chu (NXP)
       - 11-21/1412r0, D2.0 comment resolution subclause 31.6, Liwen Chu (NXP)
       - 11-21/1415r0, D2.0 comment resolution subclause 5.2.4, Liwen Chu (NXP)
       - 11-21/1404r0, Resolutions to Editorial Comments Part 1, Yujin Noh (Senscomm)
     + Adjourn; next TC on September 7th
  2. Agenda was approved without objection

## TGbd Tech Editor Confirmation Motion

* 1. Confirm Yujin Noh as TGbd Tech Editor
     + Moved: Joseph Levy
     + Seconded: John Kenny
     + Result: Approved unanimously

## TGbd Editor’s Report

* 1. Comment reassignment updates.

## SP for 11-21/1373r0, CID 2164 resolution for LB-254, Joseph Levy (InterDigital)

* 1. Do you agree on the comment resolution to CID 2164 and proposed modification to IEEE P802.11bd D2.0 as in 11-21/1373r0?
     + Y/N/A: No objection

## 11-21/1389r1, LB254 comment resolution clause 32.3.15, Stephan Sand (DLR)

* 1. CID 2119: Equation number (32-39) is replaced with (32-29).
  2. CID 2120, 2121: In Figures 32-18 and 32-19 *N*NGV\_LTF LTF\_REP are replaced with *N*NGV\_LTF(1+ LTF\_REP).

## 11-21/1411r0, D2.0 comment resolution subclause 31.2.1, Liwen Chu (NXP)

* 1. CID 2262, 2263: No discussions.

## 11-21/1412r0, D2.0 comment resolution subclause 31.6, Liwen Chu (NXP)

* 1. CID 2171: No discussions.

## 11-21/1415r0, D2.0 comment resolution subclause 5.2.4, Liwen Chu (NXP)

* 1. CID 2139: A question was asked what is the definition difference between data rate/MCS and data rate/NGV-MCS. Another question was asked why we need to make this field name change since it is very clear in the MCS mapping to data rate tables. The commentor replied that in 802.11 we have VHT-MCS, HE-MCS. Hence it makes sense to use NGV-MCS in 11bd. A following comment was made that radio environment status vector field name data rate/MCS should not be changed. Another member answered that this radio environment status vector is specifically for NGV PHY, so it is actually more accurate to use NGV-MCS. A comment was made that same MCS index can be mapped to different data rate depending on different BW values, Nss values. The presenter answered that the comment is related to CID 2140, not CID 2139. The commentor replied that both CIDs can be solved at the same time since they are related.
  2. CID 2140: A question asked to clarify that data rate/MCS member only refers to NGV-MCS if the value is 1. Another comment was made that there is typo in the resolution text.
  3. CID 2141, 2251: A comment was made that what value should be set if RSSI is higher than -20dBm, whether we should limit the maximum RSSI value to -20dBm. A member answered that there is a maximum input power -30dBm in PHY section, which may correspond to maximum RSSI value. It is up to implementation to be able to receive NGV PPDU which has RSSI value higher than -20dBm. These two CIDs are deferred.

## 11-21/1404r0, Resolutions to Editorial Comments Part 1, Yujin Noh (Senscomm)

* 1. CID 2261, 2267, 2160, 2266, 2268, 2170, 2171,2200, 2111, 2179, 2180, 2182, 2035, 2036, 2007, 2008, 2225, 2060, 2154, 2076, 2155, 2156, 2260, 2149, 2152, 2153: No discussions.

## Closing

* 1. Any other business
     + None
  2. Chair adjourned the teleconference at 11:57 am ET.
  3. Next TC will be on Sept 7th

**Attendance from IMAT**

| **Name** | **Affiliation** |
| --- | --- |
| An, Song-Haur | INDEPENDENT |
| Orlando, Christian | IEEE |
| Coffey, John | Realtek Semiconductor Corp |
| Sun, Bo | ZTE Corporation |
| Kenney, John | TOYOTA InfoTechnology Center U.S.A |
| Levy, Joseph | InterDigial, Inc. |
| Edelmayer, Andras | Commsignia |
| Noh, Yujin | Newracom Inc. |
| Oyama, Satoshi | ARIB |
| Yan, Zhang | NXP Semiconductors |
| Motozuka, Hiroyuki | Panasonic Corporation |
| Chu, Liwen | NXP Semiconductors |
| Kain, Carl | USDoT |

# Tuesday 7 September 2021 @ 10:00-11:59 am ET

## Opening (IEEE 802.11-21/1326r1)

* 1. Call to order 10:00 am ET
  2. Chair instructed members to record attendance in IMAT.
  3. Chair introduced the patent policy and meeting rules (slides 2-6).
  4. No response to the call for patents.
  5. Chair introduced IEEE-SA COPYRIGHT POLICY (slides 7-9)
  6. Chair reviewed other Guidelines for IEEE WG Meetings (slides 10-13)
  7. Chair reviewed current Teleconference plan, TGbd Documents Update, and current TGbd Timeline (slides 14-17)
  8. Chair introduced the task group leadership (slide 19)

## Agenda (IEEE 802. 11-21/1326r1)

* 1. Chair presented the agenda: https://mentor.ieee.org/802.11/dcn/21/11-21-1326-01-00bd-tgbd-teleconference-agenda-for-sep-2021. (slide 20):
     + Call meeting to order and remind the group to record attendance on imat.ieee.org
     + IEEE-SA IPR policies and meeting rules
     + Approval of agenda (slide 20)
     + SP for presented CRs
       - 11-21/1389r1, LB254 comment resolution clause 32.3.15, Stephan Sand (DLR)
       - 11-21-1411r0, comment resolution subclause 31.2.1, Liwen Chu (NXP)
       - 11-21-1412r1, comment resolution subclause 31.6, Liwen Chu (NXP) (CID 2171)
       - 11-21-1415r1, comment resolution subclause 5.2.4, Liwen Chu (NXP) (defer CID 2141, 2251)
       - 11-21-1404r1, Resolutions to Editorial Comments Part 1, Yujin Noh (Senscomm)
     + Presentations and discussion
       - 11-21/1413r0, comment resolution subclause 10, Liwen Chu (NXP)
       - 11-21/1414r1, comment resolution subclause 5.2.3, Liwen Chu (NXP)
       - 11-21/1405r0, Resolutions to Editorial Comments Part 2, Yujin Noh (Senscomm)
       - 11-21/1406r0, Resolutions to Editorial Comments Part 3, Yujin Noh (Senscomm)
     + Adjourn; next TC on September 14th
  2. Agenda was approved without objection

## SP for 11-21/1389r1, LB254 comment resolution clause 32.3.15, Stephan Sand (DLR)

* 1. Do you agree on the comment resolution to following 3 CIDs and proposed modification to IEEE P802.11bd D2.0 as in 11-21/1389r1, proposed modification to Figure 32-18 as in 11-21/1390r1 and proposed modification to Figure 232-19 as in 11-21/1391r1?
     + CID # 2119, 2120 and 2121
     + Y/N/A: No objection

## SP for 11-21/1411-00-00bd--D2.0 comment resolution subclause 31.2.1, Liwen Chu (NXP)

* 1. Do you agree on the comment resolution to following 2 CIDs and proposed modification to IEEE P802.11bd D2.0 as in 11-21/1411r0?
     + CID 2262 and 2263:
     + Y/N/A: No objection

## SP for 11-21/1412r1, D2.0 comment resolution subclause 31.6, Liwen Chu (NXP)

* 1. Do you agree on the comment resolution to CID# 2171 and proposed modification to IEEE P802.11bd D2.0 as in 11-21/1412r1?
     + Y/N/A: No objection

## SP for 11-21/1415r1, D2.0 comment resolution subclause 5.2.4, Liwen Chu (NXP)

* 1. Do you agree on the comment resolution to following 3 CIDs and proposed modification to IEEE P802.11bd D2.0 as in 11-21/1415r1?
     + CID #2139, 2140 and 2249
     + Y/N/A: No objection

## SP for 11-21/1404r1, Resolutions to Editorial Comments Part 1, Yujin Noh (Senscomm)

* 1. Do you agree on the comment resolution to following 27 CIDs and proposed modification to IEEE P802.11bd D2.0 as in 11-21/1404r1?
     + CID 2261, 2267, 2160, 2266, 2268, 2170, 2171,2200, 2111, 2179, 2180, 2182, 2035, 2036, 2007, 2008, 2225, 2060, 2154, 2076, 2155, 2156, 2260, 2149, 2152, 2153
     + Y/N/A: No discussions.

## 11-21-1413r0, comment resolution subclause 10, Liwen Chu (NXP)

* 1. CID 2058: No discussion.
  2. CID 2059: A comment was made to change the resolution from Accept to Revised and give Editor clear instruction.

## 11-21-1414r1, comment resolution subclause 5.2.3, Liwen Chu (NXP)

* 1. CID 2050: No discussion
  2. CID 2066: A comment was made that this radio environment vector is related to 1609 standard, but it is not clear that 1609 protocol can handle 60GHz transmission. This CID will be deferred.
  3. CID 2068: A comment was made that it would be better to define a new MIB variable to indicate whether non-NGV STA can support the parameter. The CID is deferred.
  4. CID 2069: A question was asked if MCS15 is replaced with MCS14 in this part. The presenter answered yes since MCS15 is used in PHY part.
  5. CID 2130, 2131, 2132,2134, 2211: No discussion.
  6. CID 2241 is deferred, which is similar to CID 2068 resolution.
  7. CID 2242, 2243: No discussion.
  8. CID 2248: A comment was made that there is an inconsistency between text and unit. This CID is deferred to resolve the inconsistency.
  9. CID 2250: No discussion.

## 11-21-1405r0, Resolutions to Editorial Comments Part 2, Yujin Noh (Senscomm)

* 1. CID 2252, 2254, 2142, 2143, 2256, 2145, 2212, 2081, 2067,2082, 2083, 2049, 2244, 2245, 2133, 2246, 2070, 2135, 2247, 2136, 2137, 2071 and 2138: No discussion.

## 11-21-1406r0, Resolutions to Editorial Comments Part 3, Yujin Noh (Senscomm)

* 1. CID 2123, 2232, 2234, 2233, 2125, 2217, 2235, 2021, 2236, 2237, 2014 and 2205: No discussion.

## 11-21-1412r2, comment resolution subclause 31.6, Liwen Chu (NXP)

* 1. CID 2215: A comment was made that there are two places with 6.3.3. The presenter changed the first 6.3.3 to 6.3.2.

## Closing

* 1. Any other business
     + None
  2. Chair adjourned the teleconference at 11:45 am ET.
  3. Next TC will be on Sept 14th

**Attendance from IMAT**

| **Name** | **Affiliation** |
| --- | --- |
| An, Song-Haur | INDEPENDENT |
| Roder, Patricia | IEEE Standards Association (IEEE-SA) |
| Cao, Rui | NXP Semiconductor |
| Sun, Bo | ZTE Corporation |
| Kenney, John | TOYOTA InfoTechnology Center U.S.A |
| Edelmayer, Andras | Commsignia |
| Noh, Yujin | Newracom Inc. |
| Oyama, Satoshi | ARIB |
| Yan, Zhang | NXP Semiconductors |
| Sand, Stephan | DLR |
| Motozuka, Hiroyuki | Panasonic Corporation |
| Coffey, John | Realtek Semiconductor Corp |
| Chu, Liwen | NXP Semiconductors |