IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TGbb:  Motions amending the TGbb draft | | | | |
| Date: 2023-01-27 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | Email |
| Volker Jungnickel | Fraunhofer HHI |  |  | volker.jungnickel@hhi.fraunhofer.de |

Abstract

This document accumulates all Motions passed in 802.11bb task group to amend the TGbb draft.

**Sept. 2019 Meeting**

1. **TGbb Motion** to adopt the 800nm – 1000nm wavelength spectrum as the mandatory, common mode wavelength for all TGbb STAs.

**Moved: Nikola Serafimovski**

**Seconded: Lennert Bober**

**Result (Y / N / A): 23 / 0 / 3**

**Motion passed.**

1. **TGbb Motion** to adopt the SISO, 20 MHz bandwidth 11ax PHY as a mandatory, common mode for all TGbb STAs and, in addition, as optional use other 11ax features or an LC-optimized PHY based on the ITU-T Rec. G.9991 for all TGbb STAs.

**Moved: Nikola Serafimovski**

**Seconded: Suhwook Kim**

**Result (Y / N / A): 17 / 0 / 8**

**Motion passed.**

1. Sept 18, 2019, AM1

**TGbb Motion** to add fast session transfer:

**Instruct the editor to add the following sentence to the IEEE 802.11bb draft:**

“4.Y.Z Light Communication (LC) STA

The main MAC features in a 802.11bb STA are the following:

* + - * Optional support for fast session transfer (FST) in the multi-band capable devices supporting light and other sub-300 GHz RF bands“

**Move: Andrew Myles**

**Second: Max Riegel**

**Y / N / A : 14 / 0 / 6**

**Motion passed.**

**November 13, 2019, PM1**

1. **TGbb Motion** to approve PHY text for the Draft 0.1.

**Instruct the editor to add the content in doc. 11-19/1791r2 to the IEEE 802.11bb draft, granting the technical editor freedom to make editorial changes.**

**Move: Matthias Wendt**

**Second: Volker Jungnickel**

**Y/N/A: 7 / 0 / 0**

**Motion passed.**

1. **TGbb Motion** to approve PHY text for the Draft 0.1.

**Instruct the editor to add the following text to the IEEE 802.11bb draft:**

**“***32.3.2 Light Communication (LC) common mode*

*All LC STAs shall support the mandatory features defined in Clause 17, except:*

*17.3.8.3 – Regulatory requirements*

*17.3.8.4 – Operating channel frequencies*

*17.3.9.3 – Transmit spectrum mask*

*17.3.9.7.2 – Transmitter center frequency leakage*

*17.3.10.3 – Adjacent channel rejection*

*17.3.10.4 – Nonadjacent channel rejection*

**“**

**Move: Nikola Serafimovski**

**Second: Peter Yee**

**Y/N/A: 2 /0 / 5**

**Motion passed.**

1. **TGbb Motion** to approve PHY text for the Draft 0.1.

**Instruct the editor to add the following text to the IEEE 802.11bb draft:**

**“***32.3.3 Light Communication (LC) High Efficiency mode*

*An LC STA that supports the HE-based PHY may support the features defined in Clause 27.***”**

**Move: Nikola Serafimovski (pureLiFi)**

**Second: Matthias Wendt (Signify)**

**Y/N/A: 6 / 0 / 0**

**Motion passed.**

**June 5, 2020, TGbb Telco**

1. **TGbb Motion** to approve PHY text for the Draft 0.2.

**Instruct the editor to add the content of doc. 11-20-0571r3 to the IEEE 802.11bb draft, granting the technical editor freedom to make editorial changes.**

Move: Nikola Serafimovski (pureLiFi)

Second: Jon Rosdahl (Qualcomm)

Y/N/A: 4 / 0 / 4

Motion passed.

**Sept. 16, 2020, Virtual Interim**

1. **TGbb Motion** on cenetre frequencies**:**

**Instruct the Technical editor to replace existing content of clause “Operating Channel Properties” in Draft D0.1 with the following text:**

**“The LC common mode shall operate at a centre frequency of 26 MHz. The common bandwidth shall be 20 MHz. This centre frequency shall correspond to LC channel 0.**

Moved Matthias Wendt

Seconded Tuncer Baykas

Motion is approved with unanimous consent

1. **TGbb Motion** on channel numbering:

**Instruct the technical editor to replace the existing content clause “Channel numbering” in Draft 0.1 with the content slide 17 from the document 802.11-20/1360r3**

**Moved Matthias Wendt**

**Seconded Harry Bims**

C: Is 320 MHz necessary?

C: Channel numbering should be consistent among different PHYs.

C: This channel numbering is only HE-PHY.

C: Update Slide 17.

**C: 320 MHz column is deleted.**

**Motion is approved with unanimous consent**

1. **TGbb Motion** to release D0.2

**Instruct the Technical Editor to complete D0.2 per the motions in doc. 11-20/1360r3 and release D0.2 for Working Group comment collection.**

Moved: Volker Jungnickel

Seconded: Matthias Wendt

Motion is approved with unanimous consent

**Nov. 5, 2020, Virtual Plenary session**

1. **TGbb Motion** to update the draft

**Approve the technical comment resolutions in doc. 11-20/1678r3 and grant the technical editor the right to implement the changes in draft d0.3 as provided 11-20/1678r3, and grant the Technical Editor an editorial licence for the remaining editorial comments with the exception CID 4, CID 19, CID 33, CID 39, CID 40**.

Moved by: Volker Jungnickel

Seconded by Matthias Wendt

Y: 10 N: 0 A: 2 Motion passed.

**January 13, Virtual Interim Meeting**

1. **TGbb Motion** to update the draft:

**Approve the technical comment resolutions in doc. 11-20/1678r6 and grant the Technical Editor the right to implement the changes in draft D0.4 as provided in doc. 11-20/1678r6 and grant the Technical Editor an editorial license for the remaining editorial comments with the exception of CID31, CID32, CID38, CID43.**

Moved by Volker Jungnickel

Seconded by Tuncer Baykas

Motion passed unanimously.

**March 11 at virtual plenary meeting**

1. **TGbb Motion** to include text:

**Instruct the Technical Editor to include the proposed draft text on page 3 of doc. 11-21/0380r0 LC terminology definitions and incorporate the changes into Draft 0.4.**

Move: Kai Lennert Bober

Second: Matthias Wendt

Y / N / A unanimous

1. **TGbb Motion** to replace text:

**Instruct the Technical Editor to replace the text on page 13 lines 10-18 of clause 4 (General description) in Draft 0.3 with:**

**4.3 Components of the IEEE Std 802.11 architecture**

***Editors note: Insert a new subclause after subclause 4.3.29 (Ethertype protocol discrimination (EPD)) as follows:”* followed by the text in doc.11-21/0277r4 and incorporate the changes into Draft 0.4.**

Move: Harry Bims

Second: Nancy Lee

Y / N / A unanimous

1. **TGbb Motion** to replace text:

**Instruct the Technical Editor to replace page 14 lines 2-7 in Clause 31 (LC MAC specification) of Draft 0.3 with the text in doc. 11-21/0279r4 page 2 and incorporate the changes into Draft 0.4.**

Move: Harry Bims

Second: Nancy Lee

**Y / N / A unanimous**

1. **TGbb Motion** to incorporate changes in the draft:

**Instruct the Technical Editor to follow the instructions and content provided in doc. 11-21/0378r1 and incorporate the changes into Draft 0.4.**

Move: Matthias Wendt

Second: Nancy Lee

Y / N / A unanimous

1. **TGbb Motion** to include further comment resolutions:

**Instruct the Technical Editor to apply the comment resolutions in doc. 11-21/0389r2 and incorporate the changes into Draft 0.4.**

Move: Harry Bims

Second: Volker Jungnickel

Y / N / A unanimous

1. **TGbb Motion** to include further comment resolutions:

**Instruct the Technical Editor to apply comment resolutions in doc. 11-21/0432r1 Comments on light interface and channel number and incorporate the changes into Draft 0.4.**

Move: Matthias Wendt

Second: Volker Jungnickel

Y / N / A unanimous

**May 12, 2021 during May Interim Virtual Meeting**

1. **TGbb Motion** to include further text

**Instruct the Technical Editor to follow the instructions and content provided in doc. 11-21/0813r1 and incorporate the changes into Draft 0.5**

By: Nancy Lee

Seconded By Tuncer Baykas

Motion is approved with unanimous consent

**May 31, 2021 Teleconference**

1. **TGbb Motion** to include further comment resolutions

**Having approved comment resolutions for all of the comments received from TGbb comment collection on TGbb Draft 0.4 as contained in documents** [**11-21/0724r4**](https://mentor.ieee.org/802.11/dcn/21/11-21-0724-04-00bb-comments-on-p802-11bb-d0-4.xlsx) **and doc.** [**11-21/0830r02**](https://mentor.ieee.org/802.11/dcn/21/11-21-0830-02-00bb-new-comments-against-d4-0.xlsx)**, instruct the editor to prepare Draft 0.5 incorporating these resolutions and,**

**Approve a 13 day TGbb comment collection.**

Moved: Matthias Wendt

Seconded: Tuncer Baykas

Motion approved with unanimous consent.

**July 14, 2021 9-11 EDT** **during July Virtual Plenary Meeting**

1. TGbb Motion to include resolved comments from TGbb comment collection and create D0.6

**Having approved comment resolutions for all of the comments received from TGbb comment collection on TGbb Draft 0.5 as contained in documents 11-21/1050r3, 11-21/1017r6, 11-21/1118r1, Instruct the editor to prepare Draft 0.6 incorporating these resolutions and, Approve a 30 day TGbb comment collection.**

Move: Volker Jungnickel

Second: Harry Bims

Y / N / A unanimous

1. TGbb Motion to include text into D0.6

**Instruct the Technical Editor to include the content in doc. 11-21/1114r1, excluding P3L17, P4L5, P5L18, and P6L8 into Draft 0.6 in P20L4 of Draft 0.5.**

Move: Chong Han

Second: Harry Bims

Y / N / A unanimous

**Nov. 1, 2021, 12-14 ET TGbb Telco**

1. TGbb Motion to create D0.7

**Having approved comment resolutions for all of the comments received from TGbb comment collection on TGbb Draft 0.6 as contained in documents**

* + 11-21/1662r4,
  + 11-21/1640r4,
  + 11-21/1688r7, and
  + 11-21/1708r1

**Instruct the editor to prepare Draft 0.7 incorporating these resolutions and upload the draft on the IEEE 802.11 Members Area.**

Moved: Tuncer Baykas

Seconded: Matthias Wendt

Y / N / A unanimous

**Nov. 15, 2021, 9-11 A.M. ET, IEEE 802.11 Virtal Plenary Meeting**

1. TGbb Motion to approve comment resolutions

**Approve comment resolutions for all of the comments in doc. 11-21/1813r3 and 11-21/1783r2 for TGbb Draft 0.7**

Move: Nikola Serafimovski

Second: Volker Jungnickel

Motion passed with unanimous consent

1. TGbb Motion to create D1.0 and forward to working group letter ballot

Move to request 802.11 WG to approve the following motion:

Instruct the TGbb editor to prepare IEEE P802.11bb D1.0 by incorporating P802.11bb D0.7 and all accepted changes as contained in 11-21/1813r3 and 11-21/1783r2,

and

Approve a 40-day Working Group Technical Letter Ballot asking the question ‘‘Should P802.11bb D1.0 be forwarded to SA Ballot?’’

Move: Volker Jungnickel

Second: Matthias Wendt

Yes 7/ No 0/ Abstain 1

Motion Passed

**Nov. 16, 2021, 9-11 A.M. ET, IEEE 802.11 Closing Plenary**

1. 802.11 WG Motion to start working group letter ballot

Instruct the TGbb editor to prepare P802.11bb D1.0 by incorporating P802.11bb D0.7 and all accepted changes as contained in 11-21/1813r3 and 11-21/1783r2,

and

Approve a 40-day Working Group Technical Letter Ballot asking the question ‘‘Should P802.11bb D1.0 be forwarded to SA Ballot?”

Moved: Nikola Serafimovski on behalf of TGbb

Second: Matthias Wendt

Result: Yes: 84, No: 2, Abstain: 16

Motion passed

**March 10, 2022, 11:15-13:15 ET IEEE 802.11 Virtal Plenary Meeting**

1. TGbb Motion to create D2.0 and forward to working group letter ballot

Having approved comment resolutions for all of the comments in doc. 11-22/0074r18 and doc.11-22/0069r2 for TGbb Draft 1.0,

Instruct the editor to prepare Draft 2.0 incorporating these resolutions, including the addition of a revised Annex B supplied by Robert Stacey (doc. 11-22/0453), as well as the updated CAD (doc. 11-21/1876r4) and

Request to start a 15-day WG re-circulation ballot.

Move: Matthias Wendt

Second: Volker Jungnickel

Y / N / A 12 / 0 / 2

**March 10, 2022, 11:15-13:15 ET IEEE 802.11 Virtal Plenary Meeting**

1. 802.11 WG Motion to start recirculation letter ballot

Having approved comment resolutions for all of the comments received from LB 260 on IEEE P802.11bb D1.0 as contained in documents 11-22/0074r18 and 11-22/0069r2,

* instruct the TGbb editor to create IEEE P802.11bb D2.0, including the addition of a revised Annex B (11-22/0453r0)
* approve a 15-day Working Group Recirculation Letter Ballot asking the question ‘‘Should P802.11bb D2.0 be forwarded to SA Ballot?”

Moved: Nikola Serafimovski on behalf of TGbb, Second: Marc Emmelmann

Result: Unanimous (Motion passes)

[TGbb moved: Matthias Wendt, 2nd: Volker Jungnickel, result 12/0/2]

**Thursday, May 12th, 2022, 11:00AM (ET)**

1. TGbb Motion to create D3.0 and start Recirculation:

Having approved cooment resolutions for all the comments in 11-22-/678r5 TGbb Draft 2.0

Instruct the editor to prepare Draft 3.0 incorporating these resolutions and stat a 15-day WG recirculation LB.

Moved by: Volker Jungnickel

Seconded by Tuncer Baykas

Approved by unanimous consent.

**Friday, May 13th 2022, IEEE 802.11 Closing Plenary**

1. 802.11 WG Motion to create D3.0 and start Recirculation:

Having resolved all comments in 11-22/0678r5 and the editor having implemented the resolutions in IEEE 802.11bb D3.0, approve a 15 day WG Technical Letter Ballot on IEEE 802.11bb D3.0 asking the question

“Should IEEE 802.11bb D3.0 be forwarded to SA ballot?”

Moved: Nikola Serafimovski on behalf of TGbb

Result: Yes: 45, No: 24, Abstain: 81 (Motion fails)

**Thursday, June 2nd 2022, 11:00 ET, TGbb telco**

Having approved comment resolutions for all of the comments in   
doc. 11-22/0678r5 for TGbb Draft 2.0,  
Instruct the editor to prepare Draft 2.1 incorporating these resolutions, and

Start a 15-day WG comment collection.

Move:

Second:

Y / N / A

**Thursday, July 14th 2022, 10:30 ET, TGbb Meeting**

Approve the comment resolutions for all of the comments in   
doc. 11-22/0949r5 for TGbb Draft 2.1 and the changes in the MDR report 11-22/0975r1 and instruct the editor to produce a Draft 3.0 that includes the agreed changes.

Move: Volker Jungnickel

Second: Matthias Wendt

Y / N / A unanimous

**Friday, July 15th 2022, 10:00 ET, 802.11 Closing Plenary**

Having approved resolutions to comments from LB 263 in doc. 11-22-0678r7 and resolutions to comments from CC 42 in doc. 11-22-0949r5 as well as resolutions to the findings in the MDR report in doc. 11-22-0975r1,

Ask the WG to start a 30-day WG re-circulation LB for Draft 3.0.

Moved: Nikola Serafimovski on behalf of TGbb

Result: Unanimous consent

**Wednesday, November 30, 2022, 2:00PM (ET) TGbb telco (acting as CRG)**

**Approve the resolutions in doc. 11-22/1925r5 for the comments in the initial SA ballot against TGbb Draft 4.1**

Move: Nikola Serafimovski

Second: Volker Jungnickel

Y/N/A 4/0/0

Motion passes.

Having approved comment resolutions for all of the comments in   
doc. 11-22/1925r5 for the initial SA ballot against TGbb Draft 4.1,  
Instruct the editor to prepare Draft 5.0 incorporating these resolutions and ask for a 30-day re-circulation ballot.

Move: Matthias Wendt

Second: Volker Jungnickel

Y / N / A 5 / 0 / 0

Montion passes.

**Wednesday, January 18, 2023, 8:00 AM (ET) TGbb meeting (acting as CRG)**

Approved the resolutions in doc. 11-23/0086r3 for the comments from the recirculation SA ballot against TGbb Draft 5.0

Move: Matthias Wendt

Second: Volker Jungnickel

Y / N / A 7 / 0 / 0

Having approved comment resolutions for all of the comments in doc. 11-23/0086r3 for the recirculation SA ballot against TGbb Draft 5.0,  
Instruct the editor to prepare Draft 6.0 incorporating these resolutions and ask for a 15-day re-circulation ballot.

Move: Volker Jungnickel

Second: Tuncer Baykas

Y / N / A 7 / 0 / 0