IEEE P802.11  
Wireless LANs

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| Liaison communication to Telecommunication Engineering Centre re: draft standard on Wi-Fi | | | | |
| Date: 2025-07-31 | | | | |
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Abstract

It is a liaison reply to Telecommunication Engineering Centre (TEC), India, om their invitation to comment on draft Standard for Wi-Fi over mmWave (n257, n258) Technology (WoMT) Access Point (WoMT-AP) and Station (WoMT-STA)

IEEE 802.11 WLAN Working Group  
DRAFT Liaison Communication

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| Source: | IEEE 802.11 Working Group[[1]](#footnote-1) | |
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| From: | Robert Stacey | Chair, IEEE 802.11 WLAN Working Group [robert.stacey@intel.com](mailto:robert.stacey@intel.com) |
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| Subject: | Liaison communication to Telecommunication Engineering Centre (TEC), India, on its invitation to comment on draft Standard for Wi-Fi over mmWave (n257, n258) Technology (WoMT) Access Point (WoMT-AP) and Station (WoMT-STA) | |
| Approval: | Approved by the IEEE 802.11 Working Group at IEEE 802.11 plenary meeting, Madrid, Spain, [date] | |

Dear Jyoti Roat,

IEEE 802.11 Working Group thanks the Telecommunication Engineering Centre on its ongoing work on its ongoing work for formulating standards, specifications, and guidelines for telecommunications equipment, services, and networks in India. We appreciate the TEC in sharing with us the draft standard titled “Wi-Fi over mmWave (n257, n258) Technology (WoMT) Access Point (WoMT-AP) and Station (WoMT-STA)” and are supportive of this effort. We do not have any comments on the standard, but would like to inform TEC about ongoing work in IEEE 802.11.

The IEEE 802.11 Working Group has begun work on IEEE P802.11bq[[2]](#footnote-2) dedicated to enhancing the specification of millimeter Wave operation for WLAN connectivity, with the target of defining standardized modifications to both the IEEE Std 802.11 Physical Layer (PHY) and the IEEE Std 802.11 Medium Access Control (MAC) that allows Wireless Local Area Network (WLAN) non-standalone operation in unlicensed bands between 42 GHz and 71 GHz using single-user (SU) OFDM based transmissions. The amendment that will be developed by the IEEE 802.11bq task group requires that an IEEE 802.11 device supporting this amendment also supports at least one of the 2.4 GHz to 7.25 GHz (sub-7 GHz) unlicensed bands. The amendment expands the multi-link operation defined in the sub-7 GHz band specifications to support non-standalone operation in the unlicensed bands between 42 GHz and 71 GHz, leverages or reuses existing PHY and MAC specifications defined for the operation in sub-7 GHz bands, e.g. SU transmission PPDU format and MAC frames, defines bandwidth modes operating in non-overlapping channels, and provides coexistence mechanisms with legacy IEEE 802.11 devices operating in the unlicensed bands between 42 GHz and 71 GHz. The contents may therefore be of relevance for the WLAN ecosystem and we recommend TEC to keep track of the work on IEEE P802.11bq.

Future meeting dates:

See: <http://www.ieee802.org/11/Meetings/Meeting_Plan.html> for Future meeting dates of the IEEE 802.11 Working Group

Sincerely,

Robert Stacey

Chair, IEEE 802.11 WLAN Working Group

1. This document represents the views of the IEEE 802.11 Working Group,and does not necessarily represent a position of the IEEE, the IEEE Standards Association, or IEEE 802. [↑](#footnote-ref-1)
2. See IEEE 802.11 Working Group: Status of IEEE 802.11 Integrated Millimeter Wave TG, <https://www.ieee802.org/11/Reports/tgbq_update.htm> [Last accessed: 31 July 2025]. [↑](#footnote-ref-2)