IEEE 802.11 WLAN Working Group

DRAFT Liaison Communication

Source:	IEEE 802.11 Working Group[1]	
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From:	Robert Stacey	Chair, IEEE 802.11 WLAN Working Group robert.stacey@intel.com
Subject:	Liaison communication to the Telecommunication Engineering Centre (TEC), India, on its invitation to comment on the 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 the IEEE 802.11 plenary meeting, Madrid, Spain, [date]	

Dear Jyoti Roat,

The IEEE 802.11 Working Group thanks the Telecommunication Engineering Centre on its ongoing work for formulating standards, specifications, and guidelines for telecommunications equipment, services, and networks in India. We appreciate that the TEC has shared with us the

[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.

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 802.11.

The IEEE 802.11 Working Group has begun work on an IEEE P802.11bq[2] amendment that is 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 Medium Access Control (MAC) layer that allow 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 requires that an IEEE 802.11 device supporting this amendment also supports operation in 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. In addition, the amendment leverages or reuses existing PHY and MAC specifications defined for operation in sub-7 GHz bands, e.g. SU transmission PPDU format and MAC frames. It also 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 that TEC 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

[2] 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].