
IEEE P802.11
Wireless LANs

A Draft Letter to MMAC

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IEEE 802 LAN/MAN Standard Committee
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Multimedia Mobile Access Communication Systems Promotion Council (MMAC)
c/o Association of Radio Industries and Businesses (ARIB)
1-4-1 Kasumugaseki, Chiyoda-ku, Tokyo 100-0013 Japan

To whom it may concern:

Subject : Cooperation concerning standards for the 5 GHz band

IEEE 802, the LAN/MAN Standards Committee ("the Committee") respectfully submits the following comments in order to have common physical layer standards in global region.

Comments:

1. Spectrum policy for license exempt for Wireless LAN in 5 GHz band

Wide regional and global designation of spectrum for similar usage is important to the successful implementation of new wireless services and technologies. The IEEE 802.11 Working Group intends to harmonize the High Speed Physical Layer in the 5 GHz band standard with the ETSI BRAN project which develops a similar Physical Layer, though for a different (ATM based) access scheme. IEEE P802.11a project selected the OFDM modulation method as its baseline, and there is a substantial chance that ETSI will make same choice. MMAC already has liaison relations with ETSI BRAN project. It seems like an opportunity for a globally applicable standard for a high speed (20-25 Mbit/s) Physical Layer, and we are willing to establish liaison relationship with MMAC in order to promote this opportunity.

In the 5 GHz band 300 MHz are available today in USA for unlicensed use by high speed wireless networks. Canadian authorities intend to make same amount of spectrum available, and IEEE

802.11 projects will issue a letter to Industry Canada in support of this move. In Europe 150 MHz of spectrum are available today for the HIPERLAN 5GHz project. We hope that MMAC will act for availability of similar frequency bands in Japan which will become available for indoor and outdoor use also to the newly developed 802.11a devices.

2. Exchange state information

For a possible cooperation to come to a common Physical Layer, we need to have access to all relevant documents to understand and study the work the MMAC committee is doing. Therefore we suggest that you make an ftp-site accessible for the 802.11 membership. From our side we can do the same to provide the MMAC committee access to our work as well.

To facilitate above mentioned cooperation the Committee has appointed Mr. SOMEONE as a liaison to the MMAC.

Looking forward to your reaction,

Yours Sincerely,

Vic Hayes

Chairman of IEEE P802.11