
IEEE P802.11
Wireless LANs

Draft Liaison to ETS-BRAN 24d129

To: Jamshid Khun-Jush, Dr.-Ing., Chairman, ETSI Project BRAN
Copy: Dr. Robert F. Heile, Chairman IEEE802.15 Working Group bheile@ieee.org
Dr. Roger B. Marks, Chairman IEEE802.16 Working Group r.b.marks@ieee.org
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Subject: Worldwide Spectrum allocation at 5GHz for Mobile/Nomadic applications

•Preliminary view on ETSI-BRAN Liaison (BRAN24d129r1)

- To support the use of the 5150-5350 and 5470-5725 MHz for mobile/nomadic use only
- To promote FWA in addition to the mobile/nomadic use in the 5725-5850 MHz band
- To write a liaison back to BRAN reflecting this position.

Dear Jamshid,

EP-BRAN would like to call to your attention the ongoing sharing analysis work within various ITU-R study groups with a view gaining a Worldwide Spectrum allocation at 5GHz (5150-5350 MHz, 5470-5725 MHz) for Mobile/Nomadic applications under agenda 1.5 of the World Radio Conference 2003.

With a view to helping European Regulators allocating the above spectrum and for harmonization within ETSI, EP-BRAN have issued a position statement that it will only support the development of the HIPERLAN type 2 standard which is primarily used for mobile/nomadic applications within these bands. It also resulted in a decision within ETSI EP-BRAN not to develop any FWA standards for these bands. This has given a clear signal to European regulators which RLAN parameters should be used when conducting sharing analysis for input to the European and ITU-R process for spectrum allocation. This has resulted so far in the ERC Decision 99/23.

Thank you for your recent statement apprising IEEE 802 of the position developed by EP-BRAN regarding frequency allocation and harmonization in the 5 GHz band. IEEE 802 has been engaged in the process of exploring harmonization between IEEE 802 and ETSI standards for mobile/nomadic applications.

We agree that forming a unified position between the worldwide standards bodies will enable the RLAN community to develop significant momentum in developing mobile/nomadic applications suitable for worldwide deployment in these bands.

In order to present a unified position to Worldwide Regulators with regard to 5GHz allocation at WRC 2003 EP-BRAN would like IEEE 802 to clarify if it supports the allocation of all of spectrum for mobile/nomadic applications under agenda WRC item 1.5. If so which of the

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IEEE 802.161-01/18

various IEEE 802 wireless standards parameters should be used when conducting sharing analysis with other services in these bands.

IEEE 802 supports a unified position with regard to 5GHz allocation (5150-5350 MHz, 5470-5725 MHz) for mobile/nomadic applications. In these bands, the IEEE 802.11 (and IEEE 802.15??) family of standards should be used to conduct sharing analysis with other services. IEEE 802.16b is also developing standards that could be used in the 5470-5725 MHz band and IEEE 802.16b would provide the characteristics for this unpublished standard. IEEE 802 is currently working on an update to the ITU-R M1450 and will provide a draft copy as soon as possible.

A unified position between the worldwide standards bodies would enable the RLAN community as a whole to strengthen it's lobbying position when dealing with International regulators. This would also give guidance to the regulators when carrying out sharing analysis with other services in the 5GHz band.

Within the IEEE 802 community, the primary band of interest for standards development supporting fixed wireless access deployment is the 5.8 GHz band (5725-5825 MHz). Accordingly, IEEE 802 reaffirms its support for fixed wireless access application development in the 5.8 GHz band based on the applicable IEEE 802.16 standards now under development. In addition, we note that there is currently an FCC proceeding to extend the upper limit of this band to 5850 MHz.

We would like to know if there is any similar expression of interest within the EP Bran for FWA in the 5.8 GHz band?

With best regards,

Stuart

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