

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Changes in DFS section	
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Re:	Call for Comments regarding the Maintenance Task Group working document IEEE 802.16maint-04/10	
Abstract	The documents contains suggestion for changing DFS definitions based on discussions in DFS Ad Hoc Group created by WiMAX TWG	
Purpose	The contribution should be considered by Maintenance group within comment resolution procedure	
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Vladimir Yanover (Alvarion Ltd.)

Changes in DFS section

Version 0.0

This contribution contains changes discussed in DFS Ad Hoc Group created by WiMAX TWG.

1. Mandatory / optional status of DFS implementation

The group draws attention of IEEE 802.16 WG to the fact that DFS is not always mandated in regulations for operation in LE bands. For example, in the US 5.8GHz band DFS is not required. Nor is it required anywhere in the 2.4GHz frequencies or between 5150 – 5250MHz. In fact the ERC Decision referred to in clause 6.3.15.1 of 802.16-2004 does not apply to all license-exempt frequencies either"

The group suggests the following change in 802.16-2004:

[Change in 6.3.15.1]

DFS is an optional ~~mandatory~~ feature for license-exempt operation. In the case DFS is mandated by regulatory requirements it shall be implemented according to this standard. Systems should detect and avoid primary users.

[Change in 6.3.15.1, p. 275 line 40]

This specification is intended to be compliant with ~~the~~ regulatory requirements like ~~set forth in~~ [B10]. The timing parameters used for DFS are specified by each regulatory administration.

2. Definition of term “primary user”

Term “primary users” is not sufficiently defined in 802.16-2004. The group recommends the following clarification in the text of 802.16-2004:

[Add at the beginning of 6.3.15.4]

Definition of primary user for the frequency channel used by WirelessHUMAN system is out of scope of this specification. Such definition shall be provided by the corresponding regulatory requirements. In the case regulatory requirements do not contain such definition, DFS functionality is not required from conformant system.