

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Correction to statement about DFS regulatory compliance.	
Date Submitted	2005-03-11	
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Re:	P802.16-REVd/D5 (IEEE 802.16-2004)	
Abstract	References in the statement about DFS regulatory compliance of the standard are too specific. They should be more general, so that this standard is decoupled from regulatory requirements to the maximum extent.	
Purpose	Adopt proposed changes.	
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Correction to statement about DFS regulatory compliance

Héctor Alba

1. Motivation

In general, when a reference to any regulatory requirement is made in a system functional standard, it should be as general as possible, so that specific regulatory requirements are properly decoupled from the system standard in order to minimize the dependence of the regulatory requirements on the functional ones. Of course, this is only applicable where regulatory requirements can be clearly separated from functional ones, as it is the case discussed in this document.

2. Problem detected

In section 6.3.15.1, it is stated that the standard complies with the regulatory requirements set forth in [B10]. [B10], which can be found in Annex A (p.789) refers to the document ERC/DEC/(99)23, *ERC Decision on the harmonized frequency bands to be designated for the introduction of HIPERLAN2, 29-11-1999*.

This statement, from our point of view, presents two problems:

1. ERC/DEC/(99)23 has been superseded by ECC/DEC (04)08 so equipment are supposed to be compliant, from now on, with the latter document. In this case, this is not a problem from a technical point of view, since DFS requirements stated in both documents are compatible.
2. Referring to a specific regulatory document is not recommendable, since it would have the following two consequences:
 - It would be necessary to be continuously updating the standard when the corresponding regulatory document changes (as happened in the previously described problem), in order to keep consistency.
 - If it is not continuously updated and the regulatory document changes to another one stating different DFS requirements, it could lead to an equipment being compliant with the standard but not with regulatory requirements or vice versa.

3. Proposed change

In order to keep the DFS functional requirements specified in the standard decoupled from regulatory ones, we propose the following changes:

[Change lines 40-41 at section 6.3.15.1 p.265]

num number of channels. This specification has been written in a way general enough as to comply with DFS regulatory requirements set forth by each regulatory administration through specific values for the timing parameters associated to DFS mechanism. ~~This specification is intended to be compliant with the regulatory~~

~~requirements set forth in [B10]. The timing parameters used for DFS are specified by each regulatory administration.~~