

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Modifications to Definition of Distributed Scheduling	
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Re:	SDD Change Request	
Abstract	This contribution proposes updates to the definition of distributed scheduling	
Purpose	For consideration and adoption into the 16m SDD document.	
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Modifications to Definition of Distributed Scheduling

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Introduction

The latest version of the IEEE802.16m SDD provides the following description of distributed scheduling.

When an ABS is configured to operate in distributed scheduling, each ARS attached to the ABS is configured as a scheduling ARS, where a scheduling ARS is an ARS that is configured to schedule the radio resources of its subordinate links, each station (ABS or ARS) schedules the radio resources on its subordinate link.

This description is not completely accurate in that it is too restrictive. The scheduling decisions made by the ARSs are not completely independent. The ABS configures the frame structure and thus constrains the resources which the ARSs may use.

Furthermore, the ABS may further constrain/control the scheduling decisions of the ARSs within a distributed scheduling framework. For example, the ABS may further partition access link resources using frequency partitions and restrict specific ARSs from utilizing the resources in specific partitions.

Text Proposal

[Modify the text on page 132, lines 21-23 as indicated below]

~~When an ABS is configured to operate in distributed scheduling, each ARS attached to the ABS is configured as a scheduling ARS, where a scheduling ARS is an ARS that is configured to schedule the radio resources of its subordinate links, each station (ABS or ARS) schedules the radio resources on its subordinate link.~~

For a given frame structure configuration assigned by the ABS, an ARS that is in distributed scheduling mode schedules the resources assigned to it by the ABS for use on its subordinate links. The ABS may also exercise additional control over the scheduling actions of ARSs operating in distributed scheduling mode.