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Title	Modification on Relaying DCD and UCD	
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Re:	IEEE 802.16j-07/019: "Call for Technical Comments Regarding IEEE Project 802.16j"	
Abstract	This contribution proposes modification on relaying DCD and UCD	
Purpose	Text proposal for 802.16j Baseline Document.	
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Modification on Relaying DCD and UCD

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Introduction

In order to reduce the overhead of non-transparent RS, this contribution proposes the modification of relaying DCD and UCD for non-transparent RS systems. The MR-BS periodically sends the DCD/UCD message to access RS until receiving acknowledge from the RS. Afterward, the access RS broadcasts DCD/UCD autonomously on the access link. Whenever the DCD/UCD message is updated, MR-BS repeats above procedure to send the new DCD/UCD message to the access RS.

In order to facilitate the incorporation of this proposal into IEEE 802.16j standard, specific changes to the baseline working document IEEE 802.16j-06/026r4 are listed below.

Proposed text change

6.3.2.3.1 Downlink channel descriptor (DCD) message

[Insert the following text at the end of 6.3.2.3.1]

When the DCD message sent by MR-BS is used for RS to broadcast on the relay link, the MR-BS shall include the following TLV parameter in DCD message

Relay Link Indication:

To indicate the DCD is used for RS to broadcast on the relay link.

6.3.2.3.3 Uplink channel descriptor (UCD) message

[Insert the following text at the end of 6.3.2.3.3]

When the UCD message sent by MR-BS is used for RS to broadcast on the relay link, the MR-BS shall include the following TLV parameter in UCD message

Relay Link Indication:

To indicate the UCD is used for RS to broadcast on the relay link.

11.3 UCD management message encodings

[Insert the following row into Table 353(.16e)/Table 601(Rev2)]

Name	Type (1 byte)	Length	Value (Variable-length)

<u>Relay Link Indication</u>	<u>TBA</u>	<u>1</u>	<u>0: the UCD is used for RS to broadcast on the relay link.</u> <u>1-255: reserved</u>
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11.4 DCD management message encodings

Insert the following row into Table 358(.16e)/Table 606(Rev2):

Name	Type (1 byte)	Length	Value (Variable-length)
<u>Relay Link Indication</u>	<u>TBA</u>	<u>1</u>	<u>0: the DCD is used for RS to broadcast on the relay link</u> <u>1-255: reserved.</u>