

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Definitions, abbreviations and acronyms for P802.16j baseline document.	
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Re:	Call for technical proposals 802.16j-06/027	
Abstract	Document provides list of proposed definitions, abbreviations and acronyms for the P802.16j baseline document.	
Purpose	For discussion and approval of inclusion of the proposed text into the P802.16j baseline document.	
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Definitions, abbreviations and acronyms for P802.16j baseline document.

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Introduction

Based on the other contributions to session #46 provided by the authors [1][2][3], this document provides a listed of proposed definitions for subclause 3 and abbreviations and acronyms for subclause 4 of the IEEE P802.16j baseline document.

Proposed text changes

Insert the following text into subclause 3:

access link: An 802.16 radio link that originates or terminates at an MS. The access link is either an uplink or downlink as defined in IEEE Std. 802.16-2004 and IEEE Std. 802.16e-2005.

multihop relay (MR): The concept of relaying user data and possibly control information between an MR base station and an IEEE Standard 802.16 compliant mobile station through one or more relay stations.

MR base station (MR-BS): A base station that is compliant with amendment IEEE Std. 802.16j to IEEE Std. 802.16, which has extended functionality to support MR. Informative Notes: An MR-BS is fully compliant with IEEE Std. 802.16-2004 and IEEE Std. 802.16e-2005 and has been enhanced by amendment IEEE Std. 802.16j to support multihop relay. Multihop relay is supported only for the OFDMA mode of IEEE Std. 802.16-2004 and IEEE Std. 802.16e-2005. Relay stations that support a particular MR-BS are managed by that MR-BS.

relay downlink (R-DL): Down link to a particular RS for downstream relay.

relay link (R-Link): An IEEE Std. 802.16j radio link between an MR-BS and an RS or between a pair of RSs. This can be a relay uplink or downlink.

relay uplink (R-UL): Uplink from a particular RS for upstream relay.

relay station (RS): A station that conforms to IEEE Std. 802.16j and whose functions are 1) to relay user data and possibly control information between other stations, and 2) to execute processes that indirectly support mobile multihop relay. Informative notes: All RSs are managed by an MR-BS, but they may have some control of relay functions within their neighborhood.

transparent RS: An RS that does not transmit its own preamble, FCH and MAC management messages on a broadcast connection on the access DL.

non-transparent RS: An RS that transmits its own preamble, FCH and MAC management messages on a broadcast connection on the access DL.

Insert the following text into subclause 4:

RM Relay midamble

References

- [1] Hart, M, et al., "Frame structure for multihop relaying support", IEEE C802.16j-06/138, IEEE 802.16 meeting #46, Dallas, November 2006.
- [2] Hart, M, et al., "Relay midamble", IEEE C802.16j-06/144, IEEE 802.16 meeting #46, Dallas, November 2006.
- [3] Okuda, M., "Relaying methods proposal for 802.16j", IEEE C802.16j-06/132, IEEE 802.16 meeting #46, November 2006.