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Re:	IEEE 802.16m-07/004r1 – Call for Contributions for P802.16m Requirements
Abstract	Proposed draft text for 802.16m Requirements Document -- Section 5
Purpose	Incorporate into the draft-802.16m Requirements Document
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Proposed Text for P802.16m Requirements Document – Section 5
Alcatel-Lucent 16m team

5.0   General Requirements

5.1 Legacy Support

The 16m amendment to the "dot 16" standard shall include mechanisms to support operation of 16e OFDMA terminals by "16m" base stations in the same frequency channel used for 16m operation. This requirement should also apply to the case when the 16m terminal operates at a channel bandwidth larger than that of the 16e terminal when both are served by the same BS and the same carrier.

Interoperation between 16m base stations and 16m, or 16e terminals, that have a smaller bandwidth than that of the base station, shall be supported within the same carrier used by the base station.

16e and 16m terminals shall interoperate when served by either a 16m base station or a 16e base station.

To facilitate the above requirements, a 16m terminal should be allowed to be a multimode device.

Legacy support requirements shall apply to both TDD and FDD duplexing modes with a minimal degradation of performance in backward compatibility operational configurations.

5.2 Complexity

5.3 Services