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Title	Timing precision in OFDM	
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Re:	Response to the call for comments 802.16maint-04/10 Corrigendum to IEEE 802.16-2004	
Abstract	Timing precision in OFDM	
Purpose	Resolving ambiguity in PHY layer OFDM	
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Timing precision in OFDM

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1 Statement of the problem

There is a major ambiguity in section 8.3.12 of the standard relating to timing precision at the SS. There are two different interpretations of the text. This contribution presents the impact of this for different architecture and situations, and proposes a compromise solution

2 Simulation results

3 Specific text changes

Add section 8.3.12, page 70

Modify 2nd paragraph:

“At the SS, both the transmitted center frequency and the ~~symbol~~ sampling clock frequency shall be synchronized and locked to the BS with a tolerance of maximum 2% of the subcarrier spacing for the transmit center frequency, and 5 ppm for the sampling clock frequency”