Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**Correction to OFDMA uplink burst example with CC encoding**
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Re:	Supporting document for call for contribution for corrigendum document
Abstract	In P802.16 REVd/D5 [1] Section 8.4.9.4.4, OFDMA uplink burst example with CC encoding is not correct. The purpose of this contribution is to point to the error and provide the correct test vector.
Purpose	Adoption in P802.16-2004/Cor 1
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1. Introduction

UL OFDMA burst example of Section 8.4.9.4.4 is not correct according to the requirements specified in section 8.4.9. The example seems to be based on the assumption of concatenation of the two slots in the allocation. In this case, the Interleaver output, the first sequence in line 3 of page 622 is incorrect. A text change is also needed for Section 8.4.9.2 to clarify the concatenation requirements within the allocation to guarantee a unique interpretation of the spec.

If the interpretation of the spec does not require concatenation within the two slot allocation, then the Randomizer output sequence in line 60 of page 621 is incorrect.

2. Proposed Solution

Replace the test vector including the probed sequences in the pipeline with the correct results. TBD

Apply the appropriate changes to Section 8.4.9.2 to clarify the concatenation rules. TBD

3. Proposed Changes

Proposed Text Change 1:

TBD

Proposed Text Change 2:

TBD

4. References:

[1] IEEE P802.16-REVd/D5-2004 Standard for Local and metropolitan area networks Part 16: Air Interface for Fixed Broadband Wireless Access Systems
[2] IEEE P802.16-REVe/D5-2004 Standard for Local and metropolitan area networks Part 16: Air Interface for Fixed Amendment for Physical and Medium Access Control Layers for Combined Fixed and Mobile Operation in Licensed Bands