

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Clarification Of PRBS Seeds	
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Re:	IEEE 802.16 WG Recirculation Ballot #17a on P802.16-2004/Cor1/D2	
Abstract	This contribution is for clarification of renumbering and permutation based on DL_PermBase parameter	
Purpose	To incorporate the text modification proposed in this contribution into P802.16-2004/Cor1/D3.	
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Clarification Of PRBS Seeds

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1. Problem Statement

The seed description of ranging code PRBS and the diagram are not consistent.

2. Specific text changes

==== Start text changes =====

[Modify the following text to section **8.4.7.3 Ranging codes** in Cor1/D2:]

The PRBS generator shall be initialized by the seed ~~b0...b154-b14...b0~~ = 0,0,1,0,1,0,1,1,s0,s1,s2,s3,s4,s5,s6 where s6 is the MSB of the PRBS seed, and s6:s0 = UL_ ~~IDcell~~PermBase, where s6 is the MSB of UL_IDcellPermBase.

[Modify Figure 243 in Cor1/D2:]

Replace “MSB” In the diagram with “LSB”, and “LSB” with “MSB”.

[Modify Figure 204 in **IEEE802.16-2004**:]

Replace “MSB” In the diagram with “LSB”, and “LSB” with “MSB”.

[Modify Figure 262 in **IEEE802.16-2004**:]

Replace “MSB” In the diagram with “LSB”, and “LSB” with “MSB”.

[Modify **8.4.9.4.1 Permutation definition in IEEE802.16-2004**:]

Replace “b10” with “b0”

Replace “b9” with “b1”

Replace “b8” with “b2”

Replace “b7” with “b3”

Replace “b6” with “b4”

Replace “b4” with “b6”

Replace “b3” with “b7”

Replace “b2” with “b8”

Replace “b1” with “b9”

Replace “b0” with “b10” in the section text.

[Modify Figure 260 in **IEEE802.16-2004**:]

Replace “MSB” In the diagram with “LSB”, and “LSB” with “MSB”.

[Modify Figure 253 in **IEEE802.16-2004**:]

Replace “MSB” In the diagram with “LSB”, and “LSB” with “MSB”.

[Modify Figure 197 in **IEEE802.16-2004**:]

Replace “MSB” In the diagram with “LSB”, and “LSB” with “MSB”.

[Modify Figure 198 and Figure 199 in **IEEE802.16-2004**:]

Replace “MSB” In the diagram with “LSB”, and “LSB” with “MSB” **ONLY** in the bottom registers.

Replace “b14” with “b0”

Replace “b13” with “b1”

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Replace "b12" with "b2"

Replace "b11" with "b3"

Replace "b8" with "b6"

Replace "b7" with "b7"

Replace "b5" with "b9"

Replace "b4" with "b10"

Replace "b3" with "b11"

Replace "b2" with "b12"

Replace "b1" with "b13"

Replace "b0" with "b14"

No changes on the upper three register arrays and the notations.

=== End text changes ===

3. References

- [1] IEEE 802.16-2004
- [2] P80216_Cor1_D2