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Re:	IEEE P802_Cor1_D2
Abstract	This contribution introduces clarifications for making allocations in an AAS zone in the OFDMA PHY
Purpose	Adopt into P802.16d/D5 corrigenda
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Clarifications for AAS Zone Allocations

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1 Issues with the AAS Zone

1) The preamble modifier type should be included in the AAS IE()'s.
2) The PRBS_ID was added to the STC_DL_ZONE_IE. It should be added to the AAS_DL_IE() for consistency.

2 Outline of proposed solution

1) Add preamble modifier type to AAS_UL_IE() and AAS_DL_IE()
2) Add PRBS_ID field to AAS_DL_IE()

3 Proposed Text Changes

[Modify table 278 "AAS_DL_IE()" as follows:]

Preamble type	1 bit	0 – Frequency shifted preamble is used in this DL AAS zone 1 – Time shifted preamble is used in this DL AAS zone
PRBS_ID	2 bits	Refer to 8.4.9.4.1
Reserved	~~6~~ 3 bits	Shall be set to zero

[Modify the first paragraph of 8.4.4.4 as follows:]

After decoding the DL_Frame_Prefix message within the FCH, the SS has the knowledge of how many and which subchannels are allocated to the PUSC segment. In order to observe the allocation of the subchannels in the downlink as a contiguous allocation block, the subchannels shall be renumbered. The renumbering, for the first PUSC zone, shall start from the FCH subchannels (renumbered to values 0…11), then continue numbering the subchannels in a cyclic manner to the last allocated subchannel and from the first allocated subchannel to the FCH subchannels. Figure 221 gives an example of such renumbering for segment 1. For other PUSC zones, in which use all SC indicator is set to '1', renumbering shall be performed starting from subchannel ($N_{subchannels}$/3)*PRBS_ID, where PRBS ID is specified in the STC_DL_Zone_IE or AAS_DL_IE(). For other PUSC zones, in which use all SC indicator is set to '0', the renumbering shall be the same as in the first
PUSC zone.

[Modify the text on Page 144, line 30 as follows:]

b5..b4 = Set to the segment number + 1 as indicated by the frame preamble in the first downlink zone and the 2 LSBs of PRBS_ID as indicated by the STC_DL_Zone_IE() or AAS_DL_IE() in ~~the~~ other downlink zones. Set to the t~~T~~wo MSBs of UL_PermBase in the uplink.

[Modify table 293 "AAS_UL_IE()" as follows:]

Preamble type	1 bit	0 – Frequency shifted preamble is used in this UL AAS zone 1 – Time shifted preamble is used in this UL AAS zone
Reserved	~~5~~ 4 bits	Shall be set to zero