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Abstract	This contribution makes clarification of Submaps when specifying AAS zones		
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Clarification of Submaps when specifying AAS zones

Dave Pechner, Doug Dahlby, Asaf Matatyaou, Arvind Raghavan

1 Problem Statement

With the current definition of submaps, there is ambiguity in how allocations in an UL AAS zone are made. Currently, a submap will point to a location in a UL zone via a subchannel/symbol 2D coordinate defined in either a SUB-DL-UL-MAP or an UL_Allocation_start_IE. It is unclear how the slot offset defined for UL AAS allocations relates to this 2D coordinate.

2 Proposed Solution

Clarify that a submap describing an allocation in an UL AAS zone, shall have the absolute allocation position defined by the UL_MAP_IE slot offset field. The 2D coordinate is only to indicate that the allocation occurs within an UL AAS zone. For consistency, the 2D coordinate should correspond to the first symbol and subchannel of an UL AAS zone.

3 Proposed Text Changes

[Add the following paragraph in section 6.3.2.3.61 on page 131, line 16:]

The zone in which an UL allocation occurs is identified by the “OFDMA Symbol Offset” field in the SUB-DL-UL-MAP or the UL_Allocation_start_IE (see 8.4.5.4.26). Allocations within a non-AAS zone shall start at the subchannel/symbol offset defined by the SUB-DL-UL-MAP or UL_Allocation_start_IE. Allocations made in an UL AAS zone shall be defined by the slot offset field of the UL_MAP_IE referenced to the start of the AAS zone. In this case, the subchannel/symbol offset is only used to specify that the allocation occurs in the AAS zone and is not used as a starting point for the UL allocation.