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Source(s)	Jaesun Cha and Chulsik Yoon jscha@etri.re.kr ETRI 161, Gajeong-dong,Yuseong-Gu, Daejeon, 305-350, Korea
Re:	Call for comments, Sponsor Ballot on 802.16e/D9
Abstract	In this contribution, we propose some modification to clean up scanning-related messages.
Purpose	Adoption
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Text Clean-up for Scanning-related Messages

Jaesun Cha and Chulsik Yoon

ETRI

1. Problem Statement

Although "association type" was accepted to be used instead of "scan type" in the MAC management messages for scanning, the description of scan type still remains in the current specification.

2. Proposed Text Changes

[*Modify the description of "scan type" in page 104 as follows*]

Association type
Type of scanning or association to be used by the MS and coordinated by the Serving Bs (if Association type=0b001 or Association type ~~>~~=0b010).

[*Modify the first paragraph in subclause 6.3.2.3.49 as follows*]

A MOB_SCN-RSP message shall be transmitted by the BS either unsolicited or in response to an MOB_SCN-REQ message sent by an MS. A BS may transmit MOB_SCN-RSP to start MS scan reporting with or without scanning allocation. A BS may allocated the scanning allocation for MS scanning with Association~~Scan~~ type = 0b010, or MS non-contention Association raning with Association~~Scan~~ type = ~~1~~0b001 or 0b010. The message shall be transmitted on the Basic CID.

[*Modify the description of "scan type" in the table 108i as follows*]

Syntax	Size (bits)	Notes
Association type	3	0b000: Scanning with association level 0: association without coordination. 0b001: Scanning with association level 1: association with coordination. 0b010: Scanning with association level 2: NW assisted association reporting. 0b011: No association with scanning. 0b~~011~~100-0b111: *Reserved*

[*Modify the 4th paragraph as follows*]

When the Trigger Action in the DCD message in encoded as 0x3, the MS shall send the MOB_SCN-REQ message to the BS to begin the neighbor BS scanning process when the trigger condition is met. In the MOB_SCN-REQ message the MS (the MOB_SCN-RSP message the BS) shall indicate group of neighbor BSs for which only Scanning or Scanning

with Association are requested by MS (recommended by BS). Presence of those BSs for which Association is requested (recommended) is indicated by encoding of Association~~Scan~~ type <= 0b010~~1~~. The BS may negotiate over the backbone with a BS Recommended for Association allocation unicast ranging opportunities. Then the MS will be informed on Rendezvous time to conduct Association ranging with the Recommended BS. When conducting initial ranging to a BS recommended for Association, MS shall use allocated unicast ranging opportunity, if available. Regardless of the presence of Recommended BS IDs, MS may determine and perform any scanning or Association activities during Scanning Interval at its own discretion. When the Report Mode is 0b10 in the MOB_SCN-RSP message, the MS shall scan all BSs within the Recommended BS list of the message and then report the scanning result with the MOB_SCN-REP message as conditioned by specified trigger event. Particularly if the trigger Function in the most recently-received DCD channel encoding is 0x5 or 0x6, the MS shall include all recommended BSs of the MOB_SCN RSP within the MOB_SCN-REP. Otherwise, the MS shall add only the BSs which met the Trigger Function conditions within the MOB_SCN-REP message. The scanning duration performed by the MS on all neighbor BSs shall be no longer than the parameter Max_Dir_Scan_Time (as specified in Section 10.1) to limit the time before a report is sent to the BS.