Reply contribution on the comment #496

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1. Problem statement

There are 2 bits related to transmission of unsolicited management message (i.e. SBC-RSP, REG-RSP) in HO Process Optimization TLV.

Bit #8 indicates that BS shall transmit the unsolicited SBC-RSP in case capabilities of Target BS are different from the ones of Serving BS. However, current standard does not restrict that BS transmits unsolicited SBC-RSP when capabilities are the same between Serving BS and Target BS.

If MS does not receive the unsolicited SBC-RSP message when bit #8 in HO Process Optimization TLV is set to 0, the MS can not distinguish the reason why between the message is lost or Target BS does not transmit message due to the same capabilities with Serving BS.

In case of the unsolicited REG-RSP message, there is the same problem.

2. Proposed remedy

- Remove the condition to transmit the unsolicited SBC-RSP and REG-RSP in HO Process Optimization TLV so as that bit #8 and bit #10 just indicate whether unsolicited management messages are transmitted or not.

3. Proposed text change

[Modify the text in Table 367—RNG-RSP message encodings on page 681, as follows:]

Table 367—RNG-RSP message encodings *(continued)*

Name	Type (1 byte)	Length	Value (variable-length)	PHY Scope
HO Process Optimization	21	2	For each Bit location, a value of '0' indicates the associated re-entry management messages shall be required, a value of '1' indicates the re-entry management message may be omitted. Bit #0: Omit SBC-REQ management messages during current re-entry processing Bit #1: Omit PKM Authentication phase except TEK phase during current re-entry processing Bit #2: Omit PKM TEK creation phase during re-entry processing Bit #3: Omit Network Address Acquisition management messages during current reentry processing Bit #4: Omit Time of Day Acquisition management messages during current reentry processing Bit #5: Omit TFTP management messages during current re-entry processing. Bit #6: Full service and operational state transfer or sharing between Serving BS and Target BS (ARQ, timers, counters, MAC state machines, etc.) Bit #7: post-HO re-entry MS DL data pending at target BS Bit #8: BS shall send an unsolicited SBC-RSP management message ~~with updated capabilities information in case capabilities of Target BS are different from the ones of Serving BS~~ Bit #9: Omit REG-REQ management message during current re-entry processing Bit #10: BS shall send an unsolicited REG-RSP management message ~~with updated capabilities information~~ Bit #11: (Target) BS supports virtual SDU SN. If Bit#11=1 and MS supports SDU SN, it shall issue SN_REPORT upon completion of HO to this BS.	All

			Bit #12: MS shall send Bandwidth Request header with zero BR as a notification of MS's success full re-entry registration. Bit #13: If this bit is set to 1, MS shall trigger a higher layer protocol required to refresh its traffic IP address (e.g. DHCP Discover [IETF RFC 2131] or Mobile IPv4 re-registration [IETF RFC 3344]). #14–15: *Reserved*	