**3GPP TSG-RAN WG3 #107bis-e R3-202626**

**E-Meeting, 20 – 30 April 2020**

Title: [DRAFT] Reply LS on assistance indication for WUS

Response to: Reply LS on assistance indication for WUS from SA2 (S2-2001732)

Release: Release 15

Work Item: NB\_IOTenh3-Core, LTE\_eMTC5-Core

Source: ZTE, Ericsson [will be RAN3]

To: SA2, RAN2

Cc: CT1

**Contact Person:**

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**Send any reply LS to: 3GPP Liaisons Coordinator,** **mailto:3GPPLiaison@etsi.org**

Attachments: None

**1. Overall Description:**

RAN3 thanks SA2 for the LS on assistance indication for WUS.

RAN3 provides the following feedback regarding the previously detected issues on Rel-15 WUS:

* RAN3 agrees to not send eNB WUS capability to MME by S1AP signaling, it can be achieved via OAM configuration.
* There is no consensus in RAN3 on MME’s awareness of UE WUS capability.

**2. Actions:**

**To SA WG2 group.**

**ACTION:** RAN3 kindly asks SA2 and RAN2 to take above into account and feedback, if needed.

**3. Date of Next RAN3 Meetings:**

RAN3#108-e 01-10 June 2020 E-Meeting

RAN3#109 24-28 Aug 2020 Toulouse, FR

**---------The following is only for information, remove it latter-----------------------------**

RAN3 thanks SA2 for the LS on assistance indication for WUS.

RAN3 provides the following feedback regarding the previously detected issues on Rel-15 WUS:

* RAN3 agrees to not send eNB WUS capability to MME by S1AP signaling, it can be achieved via OAM configuration.
* There is no consensus in RAN3 on MME’s awareness of UE WUS capability.
* RAN3 assumes that for a WUS-enabled network, the MME will be configured to provide without modification the *Recommended Cells for Paging* in S1 Paging message, if the eNB has included such information in the S1 UE CONTEXT RELEASE COMPLETE or UE CONTEXT SUSPEND REQUEST messages..

RAN3 kindly asks SA2 to take the above into account and feedback, if needed.

During the discussion of Rel-15 WUS, the MME paging strategy issues were also mentioned, there is no consensus achieved in RAN3, some companies assume that the MME can correctly handle CN paging without knowing the number of consecutive POs mapped to one WUS, i.e. the MME will trigger the Paging before PTW.

**---------The following is only for information, remove it latter-----------------------------**

RAN3 thanks SA2 for the LS on assistance indication for WUS.

RAN3 provides the following feedback following the previously detected issues on Rel-15 WUS:

* From some companies point of view, MME can correctly handle CN paging without knowing the number of consecutive POs mapped to one WUS, it is assumed that the MME can send the CN paging before the 1st WUS in the PTW, and the MME will not trigger paging during PTW.
* RAN3 agrees to not send eNB WUS capability to MME by S1AP signaling, it can be achieved via OAM configuration.
* RAN3 has not achieved consensus on MME awareness of UE WUS capability.