**SA WG2 Meeting #163 S2-2406317**

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**Source: LG Electronics**

**Title: KI#2: Conclusion updates**

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**Agenda Item: 19.6**

**Work Item / Release: FS\_VMR\_Ph2 / Rel-19**

*Abstract of the contribution: This paper proposes to update Conclusion for KI#2.*

# Discussion

This paper focuses on conclusion about handling MWAB authorization status change from allowed to not-allowed.

# Proposal

It is proposed to agree the following changes into TR 23.700-06.

\* \* \* \* Start of 1st Change \* \* \* \*

## 8.2 KI#2 Conclusion

Editor's note: This clause contains interim conclusions that need to be further confirmed when removing this editor's note. This is work in progress that may require coordination with other groups.

It is proposed to proceed normatively based on these principles.

1) From SA WG2 perspective there is no need to specify AS level indication in RRC connection establishment that the MWAB-UE intends to operate as MWAB.

Editor's note: The current majority view is that to detect a UE intends to operate as MWAB, dedicated S-NSSAI(s) for MWAB operation may be used for a MWAB-UE. If dedicated S-NSSAIs for MWAB operation are used, then the location and time restriction can be based on related slicing features. The MWAB UE, may deregister any S-NSSAI for MWAB operation and request only S-NSSAI(s) that are not dedicated to MWAB Operation if it does not need to use BH PDU sessions.

2) From SA WG2 perspective there is no need to indicate to NG-RAN serving a MWAB-UE that the MWAB-UE is authorized to act as MWAB-UE.

3) The MWAB-gNB releases the NG connections when it is no longer authorized to operate. The MWAB-gNB should hand over the UE(s) it serves to other cells before it releases the NG connection. For the case that the BH PDU sessions are released by the MWAB-UE, the MWAB-UE does it only if the MWAB-gNB instructs the MWAB-UE that it may do so.

4) The authorization operation also supports the update of authorization status.

- The BH-AMF triggers NAS UE configuration update procedure to inform the MWAB-UE with the MWAB authorization status change.

- When MWAB-UE authorization status is changed from allowed to not-allowed,

i) When sending the UE Configuration Update Command message, the BH-AMF may provide one of the following additional information in the message based on e.g. operator local policy, location/time restriction for the MWAB, MWAB's location, current time:

a) Indication that the MWAB-UE needs to be deregistered.

b) Indication that the BH PDU Session(s) need to be released.

ii) Based on authorization allowed information provided by the MWAB-UE, the MWAB-gNB triggers the move of connected UEs to other cells.

iii) After all the UEs are moved, the MWAB-gNB may remove the TNLA and NGAP connection towards the AMF.

iv) The MWAB-UE may release the BH PDU Session(s) based on the additional information received in step i).

The MWAB-UE may deregister based on the additional information received in step i). Or the BH-AMF may deregister the MWAB-UE from the network based on local policy, after the BH PDU Sessions(s) have been released or a timer that started at step 1) expires.

The MWAB-gNB shuts down the air interface.

NOTE: Deregistration of MWAB-UE can be performed without performing BH PDU Session(s) release separately.

\* \* \* \* End of Changes \* \* \* \*