**3GPP SA WG2 Meeting #164 *S2-240xxxx***

**Maastricht, NL, 19-23 August 2024 *(was S2-240xxxx)***

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps | **x** | ME | **x** | Radio Access Network | **x** | Core Network | **x** |

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| ***Title:*** | Support of emergency service over Mobile Wireless Access Backhaul | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Qualcomm Incorporated, Huawei?, Ericsson?, Nokia?, LGE?, Samsung? | | | | | | | | | |
| ***Source to TSG:*** | SA2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | VMR\_Ph2 | | | | |  | ***Date:*** | | | 2024-08-19 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | Rel-19 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The approved VMR\_Ph2 work item (SP-240632) is set to specify the architecture enhancements, functionalities and procedures to support MWAB based on conclusions of TR 23.700-06 (clause 8).  This contribution added the support for emergency services over the MWAB. | | | | | | | | |
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| ***Summary of change:*** | | Add emergency serivce suppot over MWAB in new clause 5.x.8. | | | | | | | | |
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| ***Consequences if not approved:*** | | No support of VMR\_Ph2 feature in Rel-19. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | (new) 5.x.8 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  |  | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  |  | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  |  | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

*FIRST CHANGE*

### 5.x.8 Support of Emergency Services

MWAB may support regulatory requirements (e.g. emergency services, priority services) for UEs access 5GS via a MWAB-gNB, based on OAM configuration from the MWAB Broadcasted PLMN. LCS framework as defined in TS 23.273 [87] is used for providing the location service to the served UEs, with additional enhancements described in clause 5.x.7.

The MWAB-UE may be configured with some dedicated BH PDU sessions (with specific S-NSSAI and DNN) when the MWAB-gNB serves an emergency session for the UEs. In such cases, the S-NSSAI of this PDU session is defined by the HPLMN of MWAB-UE, and the HPLMN includes this S-NSSAI in the MWAB-UE Subscribed S-NSSAIs.

NOTE 1: The "specific S-NSSAI and DNN" can be operator configured and set as part of the roaming agreement (in case of MWAB-UE roaming). The DNN can be assigned by the serving AMF from a default DNN in subscription for the S-NSSAI.

If case the existing BH PDU session for N2 or N3 has sufficient QoS support with high availability, the MWAB gNB may not trigger the dedicated BH PDU session establishment when it serves an emergency session.

MWAB-gNB will handover the UEs to other cells before stopping operating as MWAB, e.g. instructed by OAM or with the BH PDU Session deauthorized, as described in clause 5.x.2.

If allowed by the BH PLMN, the MWAB-UE may maintain the BH PDU Session(s) when itself initiates an emergency service session. In that case, the MWAB-gNB can continue to operate.

NOTE 2: In case of MWAB-gNB roaming, the MWAB Broadcasted PLMN needs to be in the same country as the BH PLMN. The routing of the emergency service to a local PSAP will be ensured by the OAM system of the MWAB Broadcasted PLMN, e.g. selecting a local UPF.

*End of CHANGEs*