**3GPP TSG-WG SA2 Meeting #166S2-2412632**

**Orlando, Florida, 18-22 November 2024 (revision of S2-2411339)**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **23.501** | **CR** | **5471** | **rev** | **5** | **Current version:** | **19.1.0** |  |
|  |
| *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 |  | ME | **X** | Radio Access Network | **X** | Core Network | **X** |

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| ***Title:***  | Emergency services for UEs via a MWAB |
|  |  |
| ***Source to WG:*** | Huawei, HiSilicon, [Ericsson, Samsung,] Nokia |
| ***Source to TSG:*** | SA2 |
|  |  |
| ***Work item code:*** | VMR\_Ph2 |  | ***Date:*** | 2024-11-20 |
|  |  |  |  |  |
| ***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 canbe 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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
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| ***Reason for change:*** | Based on the KI#6 conclusion of TR 23.700-06 v0.4.0, it is proposed to capture the descriptions of emergency services for UEs via a MWAB into TS 23.501. |
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| ***Summary of change:*** | Adds the feature of Emergency services for UEs via an MWAB |
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| ***Consequences if not approved:*** | The feature of MWAB defined in TR 23.700-06 is not implemented in TS 23.501. |
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| ***Clauses affected:*** | 5.49.8 |
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|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

\* \* \* \* First change \* \* \* \*

### 5.49.8 Support of regulatory service via MWAB

Based on the OAM configurations, an MWAB may support emergency services for UEs connected to the MWAB-gNB.

When the MWAB determines that the UE connects to the MWAB-gNB has initiated an emergency services session, e.g. via AS layer signalling, or based on the ARP of the PDU session context, the following handling applies:

- The MWAB may decide to reuse the existing BH PDU Session if the existing BH PDU Session has sufficient QoS to support high availability of the N2/N3 interface.

- The MWAB may decide to establish a new BH PDU Session, if the HPLMN of MWAB-UE has configured it with specific S-NSSAI and DNN for BH PDU session(s) to serve emergency session for UEs accessing this MWAB.

- The emergency session establishment procedure for the UE(s) should not be interrupted by the establishment of the new BH PDU Session.To avoid interruption of the establishment of the UE emergency sessions, the MWAB-gNB should complete of the emergency session establishment for the UE by using the existing BH PDU sessions for N3 and then trigger PDU session resource modification procedure for the emergency PDU sessions of the UE(s) to change the association of the UE emergency session N3 interface to the new BH PDU Session with specific S-NSSAI and DNN for MWAB to serve emergency session.

- If there are UEs with emergency services, the MWAB-gNB will not stop operating as MWAB until it handovers the UEs to other cells as described in clause 5.49.3.

- The emergency services should not be interrupted, i.e., based on configuration for the specific S-NSSAI and DNN for MWAB to serve emergency sessions, the BH PLMN/SNPN and the MWAB attempt to guarantee the resources of the BH PDU session(s) to serve emergency session in the BH PLMN/SNPN will not be released when MWAB is serving the emergency sessions.

NOTE 1: If the MWAB is configured to support emergency services for the UE, it is assumed that the MWAB Broadcasted PLMN and BH PLMN/SNPN are in the same country.

\* \* \* \* End of changes \* \* \* \*