**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** |
|  |
|  | **23.501** | **CR** | **xxxx** | **rev** | **-** | **Current version:** | **19.0.0** |  |
|  |
| *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 | **x** | ME | **x** | Radio Access Network | **x** | Core Network | **x** |

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| ***Title:***  | Configuration of Mobile Wireless Access Backhaul in 5GS  |
|  |  |
| ***Source to WG:*** | Qualcomm Incorporated, Sony?, Huawei?, Ericsson?, Nokia?, LGE?, ZTE?, 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 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-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19) Rel-20 (Release 20)* |
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| ***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 configuration control for the MWAB to operate in 5GS.  |
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| ***Summary of change:*** | Add the configuration control for MWAB new clause 5.x.2.  |
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| ***Consequences if not approved:*** | No proper support of VMR\_Ph2 feature in Rel-19.  |
|  |  |
| ***Clauses affected:*** | (new) 5.x.2 |
|  |  |
|  | **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.2 Configuration of the MWAB

The two components of MWAB, i.e. MWAB-UE and MWAB-gNB, are configured independently. The MWAB-UE is configured by its HPLMN and/or the BH PLMN (if roaming) for the operations. The MWAB-gNB is configured by the MWAB Broadcasted PLMN. The MWAB-UE and MWAB-gNB may be also pre-configured with some operation parameters.

In order to support MWAB operation, the MWAB-UE should be configured with the following information, besides the normal configurations for a UE:

- (optional) UE Local Configurations of the BH PDU session(s) parameters;

- (optional) dedicated BH PDU session parameters for Emergency Service support (as described in clause 5.x.8).

In order to support MWAB operation, the MWAB-gNB should be configured with the following information:

- Address of the OAM server (e.g. IP address, FQDN) of the MWAB Broadcasted PLMN;

- (optional) configurations on when/where to turn on/off the MWAB-gNB operation;

- AS layer operation parameters for the NG-RAN as defined in TS 38.300 [27].

*End of CHANGEs*