**Specification updates to support VMR\_Ph2**

**TS 23.501**

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| **Clause** | **Comment/reference to MBSR support** |  | **Contributing Companies** |
| 3.1 | Add Definition | CR#1 | (SA2#164): QC, Huawei, Ericsson, Nokia, LGE,ZTE |
| 3.2 | Add MWAB abbreviation | CR#1 | (SA2#164): QC, Huawei, Ericsson, Nokia, LGE,ZTE |
| New 5.x | Support for Mobile gNB with wireless access backhauling (MWAB) |  |  |
| 5.x.1 | General | CR#1 | (SA2#164): QC, Huawei, Ericsson, Nokia, LGE,ZTE |
|  | Including general concept, arch, and function entity descriptions. Considering to have follow sub-clauses:   * General concepts and function entities * Architecture support of PLMN case * Architecture support of SNPN case * QoS * Network slicing support | CR#1 |  |
| 5.x.2 | Configuration of the MWAB | CR#2 | (SA2#164): QC, Huawei, Ericsson, Nokia, LGE, ZTE |
| 5.x.3 | Authorization of MWAB | CR#3 | (SA2#164): QC, Huawei, Ericsson, Nokia, LGE, ZTE |
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| 5.x.5 | Mobility support of UE served by MWAB | CR#5 | (SA2#164) Nokia (not sure why to postpone initial text, ran dependent text can wait further uipdated) |
| 5.x.6 | Access control of the UE served by MWAB | CR#6 | (SA2#164): Huawei, Ericsson, LGE, ZTE |
| 5.x.7 | Location service support of UE served by MWAB | CR#7 | (SA2#164): Sony, Ericsson, Nokia, CATT |
| 5.x.8 | Support of Emergency Services |  | (SA2#164): QC, Huawei, Ericsson, Nokia, LGE |
| 5.x.9 | Network sharing support |  | (SA2#165): LGE (How to support/describe MOCN RAN sharing needs to be discussed/decided first with DP @SA2#164) |
| 8.2.x | Control Plane Protocol Stacks involving the MWAB node |  | (SA2#164): Lenovo |
| 8.3.x | User Plane Protocol Stacks involving the MWAB node |  | (SA2#164): Lenovo |
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**TS 23.502**

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| **Clause** | **Comment/reference to MBSR support** |  | **Contributing Companies** |
| 4.2 | Add MWAB Registration support | CR#11 | (SA2#165): Huawei, Ericsson, Nokia, LGE, ZTE |
| 4.2.4 | UCU updates | CR#11 | (SA2#165): Huawei, Ericsson, Nokia, LGE, ZTE |
| 4.2.7.4 | Additional ULI with MWAB | CR#12 | (SA2#165/166) Ericsson, CATT |
| 4.3 | PDU session Management | CR#13 | (SA2#165): Huawei, Ericsson, Nokia, Lenovo, CATT, LGE |
| 4.9 | Handover update | CR#14 | (SA2#165):Nokia |
| 5.2.3 | UDM Services | CR#15 | (SA2#166): Ericsson |
| Annex D (normative): | UE Presence in Area of Interest | CR#12 | (SA2#165/166): |
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**TS 23.273**

For 23.273 one large CR is being prepared by Sony.

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| **Clause** | **Comment/reference to MBSR support** |  | **Contributing Companies** |
| 3.2 | Add MWAB abbreviation | CR#21 | (SA2#164): Sony, Nokia |
| 4.3.8 | Location Management Function, LMF | CR#21 | (SA2#164): Sony, Ericsson, Nokia, CATT |
| 5.1 | LMF Discovery and Selection | CR#21 | (SA2#164): Sony, Ericsson, Nokia, CATT |
| New 5.x | Location Service involving MWAB (as for MBSR) | CR#21 | (SA2#164): Sony, Ericsson, Nokia, CATT |
| New 6.1.x | 5GC-MT-LR procedure involving MWAB | CR#22 | (SA2#164): Sony, EricssonNokia, CATT |
| 6.2 | 5GC-MO-LR Procedure | CR#22 | (SA2#164): Sony, Ericsson, CATT |
| 8.3.2.2 | Nlmf\_Location\_DetermineLocation service operation | CR#22 | (SA2#164): Sony, Ericsson, CATT |
| 8.4.2.2 | Ngmlc\_Location\_ProvideLocation service operation  (not sure if update is needed to support the two cases for Privacy check of the MWAB. How was this done for MBSR?) | CR#22 | (SA2#164): Sony, Ericsson, CATT |
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