**3GPP TSG-SA2 Meeting #164 *S2-2408901***

**Maastricht, Netherlands, 19 August – 23 August, 2024 (revision of S2-2408629)**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **23.273** | **CR** | 0566 | **rev** | **1** | **Current version:** | **18.6.0** |  |
|  |
| *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 |  | Radio Access Network |  | Core Network | **X** |

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|  |
| ***Title:***  | Add Architecture for MWAB involved Location Services |
|  |  |
| ***Source to WG:*** | CATT |
| ***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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
|  |  |
| ***Reason for change:*** | Based on conclusion on architecture enhancement in clause 8 in TR 23.700-06, multiple architectures for MWAB operation support will be introduced in TS 23.501.Considering there are multiple new concepts or terms (e.g. broadcasting PLMN, BH PLMN) included in the architectures for MWAB operation, to align the description between TS 23.273 and TS 23.501 and to assist the understanding of the location service procedures involving MWAB, it is proposed to add architecture for MWAB involved Location Services which is based on the Architecture for MWAB operation specified in TS 23.501 and the Architecture for location service in clause 4.2 in TS 23.273.In general, the existing interfaces, configuration and functionalities are reused as much as possible in the architectures introduced. |
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| ***Summary of change:*** | Add architectures for MWAB involved location services. |
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| ***Consequences if not approved:*** | Architectures for MWAB involved location services is missing. |
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| ***Clauses affected:*** | 4.2.X (new) |
|  |  |
|  | **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 (all text new)\* \* \*

### 4.2.X Reference architecture for MWAB involved location services

The reference architectures for MWAB involved location services in different scenarios are specified in clause 5.X of TS 23.501[18].

\* \* \* End of Change \* \* \*