**3GPP TSG-SA5 Meeting #156 *S5-244949***

**Maastricht, The Netherlands, 19 - 23 August 2024**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** | **2** | **rev** | **1** | **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 |  | ME |  | Radio Access Network | **X** | Core Network |  |

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| ***Title:*** | Rel-19 CR 28.313 Management services for LTM | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI19 | | | | |  | ***Date:*** | | | 2024-08-09 |
|  |  | | | |  | |  | | |  |
| ***Category:*** |  |  | | | | | ***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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Management services for Lower-layer Triggered Mobility (LTM) is needed for controlling LTM, and for performance management of LTM. | | | | | | | | |
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| ***Summary of change:*** | | Add MnS components A and B for managing LTM. | | | | | | | | |
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| ***Consequences if not approved:*** | | Management of LTM will not be possible. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.1.x (new), 7.1.x.1 (new), 7.1.x.2 (new), 7.1.x.2.1 (new), 7.1.x.2.2 (new), 7.1.x.3 (new), 7.1.x.3.1 (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | |  | | |
| ***affected:*** | |  | **X** | Test specifications | | | |  | | |
| ***(show related CRs)*** | | **X** |  | O&M Specifications | | | | TS 28.541 CR 1352, TS 28.552 CR 0601. | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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| **First change** |

### 7.1.x MRO for Lower-layer Triggered Mobility (LTM)

#### 7.1.x.1 MnS component type A

MRO for LTM re-uses the component A for MRO, see clause 7.1.2.1.

#### 7.1.x.2 MnS Component Type B definition

##### 7.1.x.2.1 Control information

These parameters are used to control the LTM function.

Table 7.1.x.2.1-1: MRO for LTM control

| Control parameter | Definition | Legal Values |
| --- | --- | --- |
| LTM function control | This attribute allows the operator to enable/disable the LTM functionality. | Boolean |

##### 7.1.x.2.2 Parameters to be updated

MRO for LTM re-uses the same parameters to be updated as MRO, see clause 7.1.2.2.3.

#### 7.1.x.3 MnS Component Type C definition

##### 7.1.x.3.1 Performance measurements

Performance measurements related to MRO for LTM are captured in Table 7.1.x.3.1.-1:

Table 7.1.x.3.1-1. MRO for LTM related performance measurements

| Performance measurements | Description | Note |
| --- | --- | --- |
| Number of configured cell switch candidates | Counts the number of outgoing intra-gNB cell switch candidates requested (see TS 28.552 clause 5.1.1.6.y.1) |  |
| Number of UEs configured with cell switch | Counts the the number of UEs that has been configured with intra-gNB cell switch (see TS 28.552 clause 5.1.1.6.y.2) |  |
| Number of successful cell switch executions | Counts the number of successful intra-gNB cell switch executions received (see TS 28.552 clause 5.1.1.6.y.3) |  |
| Number of requested cell switch preparations | Counts the number of outgoing intra-gNB cell switch preparations requested, for a split gNB deployment (see TS 28.552 clause 5.1.3.7.1.z) |  |
| Number of successful cell switch preparations | Counts the number of successful intra-gNB cell switch preparations, for a split gNB deployment (see TS 28.552 clause 5.1.3.7.1.w) |  |

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| **End of changes** |