**3GPP TSG- Meeting # *rev1***

**Online, , -**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **32.422** | **CR** | **0315** | **rev** | **-** | **Current version:** | **16.0.0** |  |
|  | | | | | | | | |
| *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 |  | ME |  | Radio Access Network | **X** | Core Network | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | Add anonymization of MDT data for 5G | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Oy LM Ericsson AB | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GMDT | | | | |  | ***Date:*** | | | 2020-02-28 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Add anonymization of MDT data for management based MDT in 5G | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add anonymization of MDT data for 5G | | | | | | | | |
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| ***Consequences if not approved:*** | | Anonymization of MDT data for 5G would be missing in relase 16 specification. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 4.7 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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***

## 4.7 Anonymization of MDT data for area based MDT

If the job type is either Immediate MDT or Logged MDT or Logged MBSFN MDT or combined Immediate MDT and trace, the anonymization requirements are applicable as described in this clause.

In case of UTRAN/E-UTRAN the anonymization of MDT data depends on the configuration parameter received at the MDT configuration. There are two levels of anonymization:

- Using IMEI-TAC.

- Not sending any identity to the TCE.

In case of NG-RAN the anonymization of MDT data depends on the configuration parameter received at the MDT configuration. There are two levels of anonymization:

- Using IMEI-TAC.

- Not sending any UE and subscriber identity to the TCE.

If the anonymization parameter value is not known or the anonymization indicates that no identity should be sent to the TCE:

- For E-UTRAN the eNB should not send the CELL TRAFFIC TRACE message to the MME.

- For UTRAN the RNC should not send the UPLINK INFORMATION EXCHANGE REQUEST message to the SGSN/MSC Server.

- For NG-RAN the gNB should not send the CELL TRAFFIC TRACE message to the AMF.

If the anonymization indicates that the IMEI-TAC is required:

- For E-UTRAN eNB should send the CELL TRAFFIC TRACE message to the MME and shall put the following in the privacy indicator IE based on job type:

- "immediate MDT" if the job type is "Immediate MDT only" and "Immediate MDT and Trace"

- "logged MDT" if the job type is "Logged MDT Only"

- "logged MDT" if the job type is "Logged MBSFN MDT"

- The gNB should send the CELL TRAFFIC TRACE message to the AMF and shall put the following in the privacy indicator IE based on job type:

- "immediate MDT" if the job type is "Immediate MDT only" and "Immediate MDT and Trace".

- "logged MDT" if the job type is "Logged MDT Only".

MME shall look up of the IMEI-TAC and send to the TCE if the privacy indicator indicates logged MDT or Immediate MDT

- For UTRAN the RNC shall send the UPLINK INFORMATION EXCHANGE REQUEST message to the SGSN/MSC Server with IMSI information. SGSN/MSC Server shall find the corresponding IMEI and send the IMEI-TAC to the TCE.

AMF shall look up the IMEI-TAC and send to the TCE if the privacy indicator indicates logged MDT or immediate MDT

***End of changes***