**3GPP TSG-SA5 Meeting #161 *S5-252679***

**Fukuoka, Japan, 19th May 2025 - 23rd May 2025**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.540** | **CR** | **0042** | **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 |  | ME |  | Radio Access Network | **X** | Core Network | **X** |

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| ***Title:*** | Rel-19 CR 28.540 Add NRM requirement for NF identities used in managment data | | | | | | | | | |
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| ***Source to WG:*** | Ericsson Canada Inc. | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | AdNRM\_Ph3 | | | | |  | ***Date:*** | | | 2025-05-09 |
|  |  | | | |  | |  | | |  |
| ***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 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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
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| ***Reason for change:*** | | Some management data output include identifiers which are not defined in the NRM. E.g. Trace output contains ‘nfInstanceId’ to identify the NF which produced the trace however no such attribute is defined in NR NRM. This complicates identifying which NF produced which managed data. | | | | | | | | |
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| ***Summary of change:*** | | Add a requirement that ‘NF instance’ identifiers used in management data be available in the NG RAN NRM. | | | | | | | | |
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| ***Consequences if not approved:*** | | It will continue to be difficult to identify which NF produced a particular set of management data. | | | | | | | | |
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| ***Clauses affected:*** | | 5.1 | | | | | | | | |
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|  | | **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:*** | |  | | | | | | | | |

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| **1st change** |

5 Requirements

5.1 Requirements for management of NG-RAN

The following specific requirements apply to NG-RAN:

**REQ-NGRAN\_NRM-CON-001:** The NRM definitions shall support management of NG-RAN, containing gNB or/and ng-eNB.

**REQ-NGRAN\_NRM-CON-002:** The NRM definitions shall support management of either gNB without split function or gNB with split functions defined in 3GPP TS 38.401 [4].

**REQ-NGRAN\_NRM-CON-003:** The NRM definitions shall support management of virtualized network functions that are part of gNB, e.g. virtualized gNB-CU.

**REQ-NGRAN\_NRM-CON-004:** The NRM definitions shall support management of intra-NG-RAN handover between any combinations of gNB and ng-eNB.

**REQ-NGRAN\_NRM-CON-005:** The NRM definitions shall support management of inter-system handover between 5GS and EPS.

**REQ-NGRAN\_NRM-CON-006:** The NRM definitions shall support management of network slicing feature in NG-RAN.

**REQ-NGRAN\_NRM-CON-007:** The NRM definitions shall have a read-only representation of NR beam properties in NG-RAN.

**REQ-NGRAN\_NRM-CON-008:** The NRM definitions shall support configuration of sector carrier coverage properties in NG-RAN.

**REQ-NGRAN\_NRM-CON-009:** The NRM definitions shall support management of radio access network sharing feature in NG-RAN.

**REQ-NGRAN\_NRM-CON-xxx:** The NRM definitions shall support identifier(s) as used for the reporting of management data, e.g. unique NF instance id as reported in trace data.

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| **End of changes** |