3GPP TSG SA WG5 Meeting 137-e TDoc S5-213402

electronic meeting, online, 10 - 19 May 2021

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **130** | **CR** | **14** | **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 | **X** |

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| ***Title:*** | Add NG-RAN sharing isolation use case and requirements | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** | SA5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | MANS | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | 7 |
|  | *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)* | |
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| ***Reason for change:*** | | In NG-RAN sharing scenarios, the shared NG-RAN is usually managed by MOP, but the POPs still have the requirements that the shared NG-RAN can be managed based on their own strategy and rhythm, e.g. in autonomous network scenario, the POPs may want to have their own autonomous control strategy. | | | | | | | | |
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| ***Summary of change:*** | | Add the NG-RAN sharing isolation use case and requirements. | | | | | | | | |
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| ***Consequences if not approved:*** | |  | | | | | | | | |
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| ***Clauses affected:*** | | 5.4.x (new), 5.1.y (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:*** | |  | | | | | | | | |

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| **1st of Changes** |

### 5.4.x Mixed NG-RAN sharing

In this use case, Operator A and Operator B are sharing one NG-RAN network. Operator A owns and manages this shared NG-RAN network as the MOP and POP. Operator B as the POP hopes that the shared NG-RAN can also be managed based on their own policies as much as possible, so that they can use their own autonomous network management functions.

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| **Next Change** |

### 5.1.y Requirements for the OAM&P of shared NG-RAN

**REQ-NS\_NG-CON-x** The 3GPP management system of the MOP shall support the isolation (Individually management on the shared resources, i.e. gNBs, Cells.) between the POPs as much as possible.

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| **End of Change** |