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:** |  |  |
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| *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 |
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| ***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 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)* |
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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) |
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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 ...  |
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| ***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** |