3GPP TSG SA WG5 Meeting 137-e TDoc S5-213401

electronic meeting, online, 10 - 19 May 2021

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **32.130** | **CR** | **0013** | **rev** | 1 | **Current version:** | **17.0.0** |  |
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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 mixed NG-RAN sharing use case and requirements |
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| ***Source to WG:*** | ZTE Corporation |
| ***Source to TSG:*** | SA5 |
|  |  |
| ***Work item code:*** | MANS |  | ***Date:*** | 2021-04-26 |
|  |  |  |  |  |
| ***Category:*** | B |  | ***Release:*** | Rel-17 |
|  | *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:*** | The operators may agree to share part of the gNBs in a NG-RAN network, the management system of the MOP then needs to manage both the non-shared gNBs and shared gNBs at the same time. |
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| ***Summary of change:*** |  Add the mixed NG-RAN sharing 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:*** |  |
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| ***This CR's revision history:*** |  |

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| **1st of Changes** |

### 5.4.x Management support for the mixed deployment scenario of shared NG-RAN network elements and non-shared NG-RAN network elements

In this use case, Operator A owns and manages a NG-RAN network. Operator A and Operator B get a NG-RAN sharing agreement that Operator A will share some of the NG-RAN network elements in its NG-RAN network with Operator B. Operator A may need to configure the NG-RAN network to start the sharing of one currently non-shared NG-RAN network element or stop the sharing of one currently shared NG-RAN network element according to the requests from Operator B in the future.

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| **Next Change** |

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

**REQ-NS\_NG-CON-1** The 3GPP management system of the MOP shall support a capability allowing its authorized consumer to manage both the non-shared network elements and shared network elements in a NG-RAN network at the same time.

**REQ-NS\_NG-CON-2** The 3GPP management system of the MOP shall support a capability allowing its authorized consumer to configure the NG-RAN network to start the sharing of one currently non-shared NG-RAN network element or stop the sharing of one currently shared NG-RAN network element.

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| **End of Change** |