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** | | | | | | | | |
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|  | **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 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***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 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:*** | | 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 ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***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 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 to configure the NG-RAN network element 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** |