3GPP TSG-RAN WG3 #116-e R3-223907

**Electronic Meeting, 9th – 19th May 2022 Online**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  |  | **CR** |  | **rev** | **1** | **Current version:** | **17.0.0** |  |
|  | | | | | | | | |
| *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 |  |

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| ***Title:*** | introduction of new attributes “Only Resource Coordination” in ANR | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | China Telecom, Ericsson,Huawei, ZTE,CATT | | | | | | | | | |
| ***Source to TSG:*** | RAN3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI-17 | | | | |  | ***Date:*** | | | 2022-04-18 |
|  |  | | | |  | |  | | |  |
| ***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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | In order to support resource coordination between co-channel sharing LTE and NR cells, it is need to establish an EN-DC X2 interface between LTE and SA NR cell. In onrder to achieve that the EN-DC X2 is used only to support EN-DC X2 global procedures and LTE-NR resource coordination, it is need to to introduce a new attribute for the ANR function. | | | | | | | | |
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| ***Summary of change:*** | | To introduce a new attribute “Resource Coordination Only” in ANR function  Impact assessment towards the previous version of the specification (same release):  This CR has an isolated impact towards the previous version of the specification (same release). | | | | | | | | |
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| ***Consequences if not approved:*** | | The resource coordination between co-channel sharing LTE and NR cells can not be supported in NR SA scenario. | | | | | | | | |
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| ***Clauses affected:*** | | 22.3.4a | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | V1: the name of new attribute changes from “Only Resource Coordination” to “Resource Coordination Only” | | | | | | | | |

////////////////////////////////////////////////////////////////////////start of change ////////////////////////////////////////////////////////////////////////

### 22.3.4a Automatic Neighbour Relation Function towards NR

The ANR function described in clause 22.3.2 and 22.3.4 applies towards NR with enhancements as follows:

An existing NCR from a source E-UTRA cell to a target NR cell means that eNB controlling the source cell knows the NCGI and PCI of the target cell.

If an NCR from a source E-UTRA cell to a target E-UTRA cell exists, the eNB controlling the source cell has information whether the target E-UTRA cell has an existing NCR to a target NR cell for performing EN-DC.

An X2 link may be set up between eNB and en-gNB. The NoRemove, the NoHO and the NoX2 attributes apply when the en-gNB parents the target cell. Each NCR has the following additional attribute:

- **No EN-DC**: If checked, the Neighbour Cell Relation shall not be used by the eNB for EN-DC.

- Resource Coordination Only: If checked, the neighbour relation shall use an X2 interface only in order to coordinate resources between source and the target cell

Each E-UTRA cell contains an Inter Frequency Search list. This list contains all frequencies that shall be searched.

The PCI is defined by the frequency of the SSB associated with SIB1, and NR-PCI.

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