**3GPP TSG-RAN WG2 Meeting #118-e R2-xxxxxxx**

**E-Meeting, May 9th – May 20th, 2022**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **38.331** | **CR** | **3120** | **rev** | **2** | **Current version:** | **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 | **X** | Radio Access Network | **X** | Core Network |  |

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| ***Title:*** | CHO configuration with SCG release | | | | | | | | | |
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| ***Source to WG:*** | Qualcomm Incorporated | | | | | | | | | |
| ***Source to TSG:*** | RAN2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_Mob\_enh-Core | | | | |  | ***Date:*** | | | 2022-05-17 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | 16 |
|  | *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 Rel-16, in RAN3 discussions (RAN3 #107-bis-e, RAN3 #108-e meetings), it was decided that the scenario where the SCG is released upon CHO execution, is supported, and changes to the Stage-2 (37.340, 36.300) and Stage-3 (36.423, 38.423) specifications were agreed.  However, in the Rel-16 RRC specification 38.331, clarification seems to be needed to indicate that this scenario is supported, i.e., for a UE in MR-DC operation, upon CHO execution, the SCG is released by network signaling. The description of the field *condRRCReconfig* only indicates that the *RRCReconfiguration* message contained in it cannot contain the target SCG configuration for CHO.   |  | | --- | | ***condRRCReconfig***  The *RRCReconfiguration* message to be applied when the condition(s) are fulfilled. The *RRCReconfiguration* message contained in *condRRCReconfig* cannot contain the field *conditionalReconfiguration,* the field *daps-Config* or the configuration for target SCG for CHO. | | | | | | | | | |
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| ***Summary of change:*** | | Provides text clarification in the description of the field *condRRCReconfig* to indicate that network signaling supports release of the SCG configuration upon CHO execution for a UE operating in MR-DC. | | | | | | | | |
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| ***Consequences if not approved:*** | | There is potential confusion regarding whether, for a UE operating in MR-DC, the SCG configuration is released upon CHO execution. | | | | | | | | |
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| ***Clauses affected:*** | | 6.3.2, - *CondReconfigToAddModList* | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | Rev 2: Indicates that network signaling supports release of the SCG configuration upon CHO execution for a UE operating in MR-DC.  Rev 1 and “-“: Provided specification changes indicating that UE autonomously releases SCG configuration upon CHO execution, if operating in MR-DC. This was not agreeable to majority of companies in the email discussion. | | | | | | | | |

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## *----------Start of the change--------------*

### 6.3.2 Radio resource control information elements

## *----------Skipping unchanged part--------------*

#### *– CondReconfigToAddModList*

The IE *CondReconfigToAddModList* concerns a list of conditional reconfigurations to add or modify, with for each entry the *condReconfigId* and the associated *condExecutionCond* and *condRRCReconfig*.

*CondReconfigToAddModList* information element

-- ASN1START

-- TAG-CONDRECONFIGTOADDMODLIST-START

CondReconfigToAddModList-r16 ::= SEQUENCE (SIZE (1.. maxNrofCondCells-r16)) OF CondReconfigToAddMod-r16

CondReconfigToAddMod-r16 ::= SEQUENCE {

condReconfigId-r16 CondReconfigId-r16,

condExecutionCond-r16 SEQUENCE (SIZE (1..2)) OF MeasId OPTIONAL, -- Cond condReconfigAdd

condRRCReconfig-r16 OCTET STRING (CONTAINING RRCReconfiguration) OPTIONAL, -- Cond condReconfigAdd

...

}

-- TAG-CONDRECONFIGTOADDMODLIST-STOP

-- ASN1STOP

| *CondReconfigToAddMod* field descriptions |
| --- |
| ***condExecutionCond***  The execution condition that needs to be fulfilled in order to trigger the execution of a conditional reconfiguration. When configuring 2 triggering events (Meas Ids) for a candidate cell, network ensures that both refer to the same *measObject.* |
| ***condRRCReconfig***  The *RRCReconfiguration* message to be applied when the condition(s) are fulfilled. The *RRCReconfiguration* message contained in *condRRCReconfig* cannot contain the field *conditionalReconfiguration,* the field *daps-Config* or the configuration for target SCG for CHO. For CHO, if the UE is configured with MR-DC, the *RRCReconfiguration* message contained in *condRRCReconfig* includes *mrdc-SecondaryCellGroupConfig* set to *release*. |

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| Conditional Presence | Explanation |
| *condReconfigAdd* | The field is mandatory present when a *condReconfigId* is being added. Otherwise the field is optional, need M. |

## *----------End of the change--------------*