**3GPP TSG-RAN WG2 Meeting #127bis *R2-2409281***

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **38.331** | **CR** | **4986** | **rev** | **1** | **Current version:** | **18.3.0** |  |
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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 | **X** | Radio Access Network | **X** | Core Network |  |

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| ***Title:*** | Miscellaneous corrections for Rel-18 SON/MDT | | | | | | | | | |
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| ***Source to WG:*** | CATT, Samsung, Ericsson | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
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| ***Work item code:*** | NR\_ENDC\_SON\_MDT\_enh2-Core | | | | |  | ***Date:*** | | | 2024-10-15 |
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| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
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| ***Reason for change:*** | | 1. In the field description of *thresholdPercentageT312-SCG*, it indicates that the field is not configured in case of SN initiated PSCell change via SRB3 (highlighted in yellow).  |  | | --- | | ***thresholdPercentageT312-SCG***  This field indicates the threshold for the ratio in percentage between the elapsed T312 timer associated to the measurement identity of the target PSCell and the configured value of the T312 timer. Value *p20* corresponds to 20%, value *p40* corresponds to 40% and so on. This field is set in the *otherConfig* configured by the source PSCell of the PSCell change or CPC, or in the *otherConfig* configured by the PCell for the PSCell change or CPC. This field is not configured in case of SN initiated PSCell change via SRB3. |   This may lead to confusion that the T312 threshold cannot be configured for the intra-SN PSCell change via SRB3 scenario. However, the original intention should be the T312 threshold cannot be configured at the time of PSCell change via SRB3, but the T312 threshold can be configured in advance based on the following agreements.   |  | | --- | | **Agreements:**  **RAN2#124 meeting**  In case the T310/T312 SPR triggering configuration is provided to the UE before the SN-initiated PSCell change, the existing RRCReconfiguration from SN to UE (in SRB1/SRB3) can be used.  **RAN2#125bis**  T310/T312 SPR thresholds from source PSCell cannot be provided at the time of PSCellChange over SRB3. |   Therefore, it should be changed to “This field is not configured at the time of PSCell change via SRB3”, this also aligns with the corresponding description in the field description of *thresholdPercentageT310-SCG*.   1. Based on the current spec description, the UE logs the CPAC related information in *MeasResultSCG-Failure* as follow.  |  | | --- | | 3> if the UE supports SCG failure information for mobility robustness optimization for conditional PSCell change or addition, for each neighbour cell, if any, included in in *measResultSCG-Failure*:  4> if the neighbour cell is one of the candidate cells for which the *reconfigurationWithSync* is included in the *secondaryCellGroup* in the MCG *VarConditionalReconfig* (for inter-SN CPC in NR-DC) or SCG *VarConditionalReconfig* (for intra-SN CPC) at the moment of the detected SCG failure (radio link failure at PSCell or PSCell change or addition failure): |   The field *MeasResultSCG-Failure* is used to include available results of measurements on NR frequencies the UE is configured to measure by the NR SCG *RRCReconfiguration* message. If the field *MeasResultSCG-Failure* is present in *SCGFailureInformation* message, this means source SN is already available before the SCG failure. In this case, the SCG failure can be RLF in source PSCell or PSCell change failure, but not PSCell addition failure. Therefore, the addition failure case should be removed to avoid misunderstanding.   1. The Editor’s note concerning the UE logging the SCG status (scg-Deactivated) is discussed in previous meetings and companies agree to use the scg-Deactivated cause as part of mcg-RecoveryFailureCause. But the Editor note is still in the spec, and should be removed. In addition, an editorial correction is also cosidered in this CR. 2. In RAN2#121 meeting the below agreement is made:  |  | | --- | | 4: In SPR, reuse CHO candidate cell flag to indicate whether a neighbor cell is CPAC candidate cell or not. |   MN may configure a cell as CHO candidate associated with conditional events such as *condEventA3* or *condEventA5*.MN also may configure a cell as a candidate for CPA and MN initiated inter-SN CPA, associated with *condEventA4.*  In the existing procedural text, while logging SPR for MN intiated PSCellAddition or PSCellChange, UE sets *choCandidate* for even the CHO candidates.This needs to be corrected so that *choCandidate* in SPR is set only for CPAC candidates. | | | | | | | | |
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| ***Summary of change:*** | | 1. Change “This field is not configured in case of SN initiated PSCell change via SRB3” to “This field is not configured at the time of PSCell change via SRB3” in the field description of *thresholdPercentageT312-SCG*. 2. Remove PSCell addition failure case in the procedure description of UE logs CPAC related information in *MeasResultSCG-Failure*. 3. The following Editor note is removed from the RRC spec.   ~~Editor´s note: The use of scg-Deactivated cause.~~  In addition an editorial correction is also done.   1. The UE sets choCandidate in SuccessPSCell-Report within MeasResultNR for the MN configured measurements if the conditional reconfiguration is configured with an execution condition associated to condEventA4.   **Impact analysis**  Architecture options  NR-DC, SA  Impacted functionality:  Rel-18 SONMDT(SPR, CPAC, MHI)   * Inter-operability:For the first three changes:   If only the network is implemented according to the CR and the UE is not, no interoperability problems are foreseen.  If only the UE is implemented according to the CR and the network is not, no interoperability problems are foreseen.   * For the 4th change:   If the network is implemented according to the CR and the UE is not, the network assumes that a neighbour cell configured by MN is a candidate CPAC cell even when the cell is a CHO candidate cell. This leads to wrong understaning at the network.  If the UE is implemented according to the CR and the network is not, then there are no interoperability issues. | | | | | | | | |
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| ***Consequences if not approved:*** | | 1. It may lead to confusion that the T312 threshold cannot be configured for the intra-SN PSCell change via SRB3 scenario. 2. It may lead to confusion that UE logs PSCell addition failure related information in *MeasResultSCG-Failure*. 3. Spec is not aligned with the progress we made in the past 3gpp meetings. 4. UE logs and reports CHO candidate cells as CPAC candidates in SPR leading to wrong understanding at the network. | | | | | | | | |
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| ***Clauses affected:*** | | 5.3.10.3, 5.7.3.4, 5.7.10.7, 6.3.4 | | | | | | | | |
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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:*** | |  | | | | | | | | |
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| ***This CR's revision history:*** | |  | | | | | | | | |

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| CHANGE START |

#### 5.3.10.3 Detection of radio link failure

The UE shall:

1> if any DAPS bearer is configured and T304 is running:

2> upon T310 expiry in source SpCell; or

2> upon random access problem indication from source MCG MAC; or

2> upon indication from source MCG RLC that the maximum number of retransmissions has been reached; or

2> upon consistent uplink LBT failure indication from source MCG MAC:

3> consider radio link failure to be detected for the source MCG i.e. source RLF;

3> suspend the transmission and reception of all DRBs and multicast MRBs in the source MCG;

3> reset MAC for the source MCG;

3> release the source connection.

1> else:

2> during a DAPS handover: the following only applies for the target PCell;

2> upon T310 expiry in PCell; or

2> upon T312 expiry in PCell; or

2> upon random access problem indication from MCG MAC while neither T300, T301, T304, T311 nor T319 are running and SDT procedure is not ongoing; or

2> upon indication from MCG RLC that the maximum number of retransmissions has been reached while SDT procedure is not ongoing; or

2> if connected as an IAB-node, upon BH RLF indication received on BAP entity from the MCG; or

2> upon consistent uplink LBT failure indication from MCG MAC while T304 is not running:

3> if the indication is from MCG RLC and CA duplication is configured and activated for MCG, and for the corresponding logical channel *allowedServingCells* only includes SCell(s):

4> initiate the failure information procedure as specified in 5.7.5 to report RLC failure.

3> else:

4> consider radio link failure to be detected for the MCG, i.e. MCG RLF;

4> discard any segments of segmented RRC messages stored according to 5.7.6.3;

NOTE 1: Void.

4> if AS security has not been activated:

5> perform the actions upon going to RRC\_IDLE as specified in 5.3.11, with release cause 'other';-

4> else if AS security has been activated but SRB2 and at least one DRB or multicast MRB or, for IAB and NCR, SRB2, have not been setup:

5> store the radio link failure information in the *VarRLF-Report* as described in clause 5.3.10.5;

5> perform the actions upon going to RRC\_IDLE as specified in 5.3.11, with release cause 'RRC connection failure';

4> else:

5> store the radio link failure information in the *VarRLF-Report* as described in clause 5.3.10.5;

5> if MP is configured:

6> if T316 is configured, and MP indirect path transmission is not suspended; and

6> if neither MP indirect path change nor MP indirect path addition is ongoing:

7> initiate the MCG failure information procedure as specified in 5.7.3b to report MCG radio link failure.

6> else:

7> initiate the connection re-establishment procedure as specified in 5.3.7.

5> else:

6> if the UE supports RLF-Report for fast MCG recovery procedure and if T316 is configured:

7> if the SCG is deactivated at the moment of detecting RLF in the MCG:

8> set the *mcg-RecoveryFailureCause* in the *VarRLF-Report* to *scg-Deactivated*;

7> else if SCG transmission is suspended at the moment of detecting RLF in the MCG:

8> set the *pSCellId* in the *VarRLF-Report* to the global cell identity of the PSCell, if available, otherwise to the physical cell identity and carrier frequency of the PSCell;

8> set the *scg-FailureCause* value in the *VarRLF-Report* according to 5.7.3.5;

8> set the *elapsedTimeSCG-Failure* in the *VarRLF-Report* to the time elapsed between SCG failure and the MCG failure;

6> if T316 is configured; and

6> if SCG transmission is not suspended; and

6> if the SCG is not deactivated; and

6> if neither PSCell change nor PSCell addition is ongoing (i.e. timer T304 for the NR PSCell is not running in case of NR-DC or timer T307 of the E-UTRA PSCell is not running as specified in TS 36.331 [10], clause 5.3.10.10, in NE-DC):

7> initiate the MCG failure information procedure as specified in 5.7.3b to report MCG radio link failure.

6> else:

7> initiate the connection re-establishment procedure as specified in 5.3.7.

A L2/L3 U2N Relay UE shall:

1> upon detecting radio link failure:

2> either indicate to upper layers (to trigger PC5 unicast link release) or send *NotificationMessageSidelink* to the connected L2/L3 U2N Remote UE(s) in accordance with 5.8.9.10.

A N3C Relay UE shall:

1> upon detecting radio link failure:

2> indicates to the associated N3C remote UE via the Non-3GPP Connection.

NOTE 2: How the N3C Relay UE indicates Uu RLF on the Non-3GPP Connection is left to implementation.

The UE shall:

1> upon T310 expiry in PSCell; or

1> upon T312 expiry in PSCell; or

1> upon random access problem indication from SCG MAC; or

1> upon indication from SCG RLC that the maximum number of retransmissions has been reached; or

1> if connected as an IAB-node, upon BH RLF indication received on BAP entity from the SCG; or

1> upon consistent uplink LBT failure indication from SCG MAC:

2> if the indication is from SCG RLC and CA duplication is configured and activated for SCG, and for the corresponding logical channel *allowedServingCells* only includes SCell(s):

3> initiate the failure information procedure as specified in 5.7.5 to report RLC failure.

2> else:

3> consider radio link failure to be detected for the SCG, i.e. SCG RLF;

3> if the SCG is deactivated:

4> stop radio link monitoring on the SCG;

4> indicate to lower layers to stop beam failure detection on the PSCell;

3> if MCG transmission is not suspended:

4> initiate the SCG failure information procedure as specified in 5.7.3 to report SCG radio link failure.

3> else:

4> if the UE is in NR-DC:

5> if the UE supports RLF-Report for fast MCG recovery procedure and if the UE detected SCG failure while the timer T316 was running:

6> set the *pSCellId* in the *VarRLF-Report* to the global cell identity of the PSCell, if available, otherwise to the physical cell identity and carrier frequency of the PSCell;

6> set the *scg-FailureCause* in the *VarRLF-Report* value according to 5.7.3.5;

6> set the *elapsedTimeSCG-Failure* in the *VarRLF-Report* to the time elapsed between MCG failure and the SCG failure;

6> include *scg-FailedAfterMCG*;

5> initiate the connection re-establishment procedure as specified in 5.3.7;

4> else (the UE is in (NG)EN-DC):

5> initiate the connection re-establishment procedure as specified in TS 36.331 [10], clause 5.3.7;

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| NEXT CHANGE |

#### 5.7.3.4 Setting the contents of *MeasResultSCG-Failure*

The UE shall set the contents of the *MeasResultSCG-Failure* as follows:

1> for each *MeasObjectNR* configured on NR SCG for which a *measId* is configured and measurement results are available:

2> include an entry in *measResultPerMOList*;

2> if there is a *measId* configured with the *MeasObjectNR* and a *reportConfig* which has *rsType* set to *ssb*:

3> set *ssbFrequency* to the value indicated by *ssbFrequency* as included in the *MeasObjectNR*;

2> if there is a *measId* configured with the *MeasObjectNR* and a *reportConfig* which has *rsType* set to *csi-rs*:

3> set *refFreqCSI-RS* to the value indicated by *refFreqCSI-RS* as included in the associated measurement object;

2> if a serving cell is associated with the *MeasObjectNR*:

3> set *measResultServingCell* to include the available quantities of the concerned cell and in accordance with the performance requirements in TS 38.133 [14];

2> set the *measResultNeighCellList* to include the best measured cells, ordered such that the best cell is listed first, and based on measurements collected up to the moment the UE detected the failure, and set its fields as follows;

3> ordering the cells with sorting as follows:

4> based on SS/PBCH block if SS/PBCH block measurement results are available and otherwise based on CSI-RS;

4> using RSRP if RSRP measurement results are available, otherwise using RSRQ if RSRQ measurement results are available, otherwise using SINR;

3> for each neighbour cell included:

4> include the optional fields that are available.

3> if the UE supports SCG failure information for mobility robustness optimization for conditional PSCell change, for each neighbour cell, if any, included in *measResultSCG-Failure*:

4> if the neighbour cell is one of the candidate cells for which the *reconfigurationWithSync* is included in the *secondaryCellGroup* in the MCG *VarConditionalReconfig* (for inter-SN CPC in NR-DC) or SCG *VarConditionalReconfig* (for intra-SN CPC) at the moment of the detected SCG failure (radio link failure at PSCell or PSCell change failure):

5> if the first entry of *condExecutionCond* or *condExecutionCondSCG* associated to the neighbour cell corresponds to a fulfilled execution condition at the moment of SCG failure; or

5> if the second entry of *condExecutionCond* or *condExecutionCondSCG* associated to the neighbour cell, if available, corresponds to a fulfilled execution condition at the moment of SCG failure:

6> set *firstTriggeredEvent* to the execution condition *condFirstEvent* corresponding to the first entry of *condExecutionCond* or *condExecutionCondSCG* associated to the neighbour cell or to the execution condition *condSecondEvent* corresponding to the second entry of *condExecutionCond* or *condExecutionCondSCG* associated to the neighbour cell, whichever execution condition was fulfilled first in time;

6> set *timeBetweenEvents* to the elapsed time between the point in time of fulfilling the condition in *condExecutionCond* or *condExecutionCondSCG* associated to the neighbour cellthat was fulfilled first in time, and the point in time of fulfilling the condition in *condExecutionCond* or *condExecutionCondSCG* associated to the neighbour cellthat was fulfilled second in time, if both the first execution condition corresponding to the first entry and the second execution condition corresponding to the second entry in the *condExecutionCond* or *condExecutionCondSCG* associated to the neighbour cellwere fulfilled;

NOTE: The measured quantities are filtered by the L3 filter as configured in the mobility measurement configuration. The measurements are based on the time domain measurement resource restriction, if configured. Exclude-listed cells are not required to be reported.

1> if available, set the *locationInfo* as in 5.3.3.7 according to the *otherConfig* associated with the NR SCG.

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| NEXT CHANGE |

#### 5.7.10.7 Actions for the successful PSCell change or addition report determination

The UE shall for the PSCell:

1> if the ratio between the value of the elapsed time of the timer T304 and the configured value of the timer T304, included in the last applied *RRCReconfiguration* message for the SCG including the *reconfigurationWithSync*, is greater than *thresholdPercentageT304-SCG* if included in the *successPSCell-Config* received before executing the last reconfiguration with sync for the SCG; or

1> if *sn-InitiatedPSCellChange* associated to the last applied *RRCReconfiguration* with *reconfigurationWithSync* for the SCG is configured and if the ratio between the value of the elapsed time of the timer T310 and the configured value of the timer T310, configured while the UE was connected to the source PSCell before executing the last reconfiguration with sync for the SCG, is greater than *thresholdPercentageT310-SCG* included in the *successPSCell-Config* if configured by the source PSCell before executing the last reconfiguration with sync for the SCG; or

1> if *sn-InitiatedPSCellChange* associated to the last applied *RRCReconfiguration* with *reconfigurationWithSync* for the SCG is configured and if the T312 associated to the measurement identity of the target PSCell was running at the time of initiating the execution of the reconfiguration with sync procedure for the SCG and if the ratio between the value of the elapsed time of the timer T312 and the configured value of the timer T312, configured while the UE was connected to the source PSCell before executing the last reconfiguration with sync, is greater than *thresholdPercentageT312-SCG* included in the s*uccessPSCell-Config* if configured by the source PSCell before executing the last reconfiguration with sync for the SCG:

1> if *sn-InitiatedPSCellChange* associated to the last applied *RRCReconfiguration* with *reconfigurationWithSync* for the SCG is not configured and if the ratio between the value of the elapsed time of the timer T310 and the configured value of the timer T310, configured while the UE was connected to the source PSCell before executing the last reconfiguration with sync for the SCG, is greater than *thresholdPercentageT310-SCG* included in the *successPSCell-Config* if configured by the PCell before executing the last reconfiguration with sync for the SCG; or

1> if *sn-InitiatedPSCellChange* associated to the last applied *RRCReconfiguration* with *reconfigurationWithSync* for the SCG is not configured and if the T312 associated to the measurement identity of the target PSCell was running at the time of initiating the execution of the reconfiguration with sync procedure for the SCG and if the ratio between the value of the elapsed time of the timer T312 and the configured value of the timer T312, configured while the UE was connected to the source PSCell before executing the last reconfiguration with sync, is greater than *thresholdPercentageT312-SCG* included in the s*uccessPSCell-Config* if configured by the PCell before executing the last reconfiguration with sync for the SCG:

2> clear the information included in *VarSuccessPSCell-Report*, if any;

2> store the successful PSCell change or addition information in *VarSuccessPSCell-Report* and determine the content in *VarSuccessPSCell-Report* as follows:

3> if the UE is not in SNPN access mode, set the *plmn-IdentityList* to include the list of EPLMNs (including the RPLMN) stored by the UE;

3> else if the UE is in SNPN access mode, set the *snpn-IdentityList* to include the list of equivalent SNPN identities (including the registered SNPN identity) stored by the UE, if available;

3> set the *pCellId* to the global cell identity and tracking area code, if available, of the PCell;

3> for the source PSCell (in case of PSCell change procedure) in which the last *RRCReconfiguration* message for the SCG including *reconfigurationWithSync* was applied:

4> set the *sourcePSCellId* in *sourcePSCellInfo* to the global cell identity and tracking area code, and otherwise to the physical cell identity and carrier frequency of the source PSCell;

4> set the *sourcePSCellMeas* in *sourcePSCellInfo* to include the cell level RSRP, RSRQ and the available SINR, of the source PSCell based on the available SSB and CSI-RS measurements collected up to the moment the UE successfully completed the random access procedure for the SCG;

4> set the *rsIndexResults* in *sourcePSCellMeas* to include all the available SSB and CSI-RS measurement quantities of the source PSCell collected up to the moment the UE successfully completed the random access procedure for the SCG;

3> for the target PSCell indicated in the last applied *RRCReconfiguration* message for the SCG including *reconfigurationWithSync*:

4> set the *targetPSCellID* in *targetPSCellInfo* to the global cell identity and tracking area code, if available, and otherwise to the physical cell identity and carrier frequency of the target PSCell;

4> set the *targetPSCellMeas* in *targetPSCellInfo* to include the cell level RSRP, RSRQ and the available SINR, of the target PSCell based on the available SSB and CSI-RS measurements collected up to the moment the UE successfully completed the random access procedure for the SCG;

4> set the *rsIndexResults* in *targetPSCellMeas* to include all the available SSB and CSI-RS measurement quantities of the target PSCell collected up to the moment the UE successfully completed the random access procedure for the SCG;

4> if the last applied *RRCReconfiguration* message for the SCG including *reconfigurationWithSync* was included in the stored *condRRCReconfig*:

5> set the *timeSinceCPAC-Reconfig* to the time elapsed between the initiation of the execution of conditional reconfiguration for the target PSCell and the reception of the last *conditionalReconfiguration* for the SCG including the *condRRCReconfig* of the target PSCell;

3> if triggering threshold for storing the successful PSCell change or addition information in *VarSuccessPSCell-Report* based on the *thresholdPercentageT304-SCG* is met:

4> set *t304-cause* in *spr-Cause* to *true*;

4> set the *ra-InformationCommon* to include the random-access related information associated to the random access procedure in the target PSCell, as specified in clause 5.7.10.5;

3> if triggering threshold for storing the successful PSCell change or addition information in *VarSuccessPSCell-Report* based on the *thresholdPercentageT310-SCG* is met:

4> set *t310-cause* in *spr-Cause* to *true*;

3> if triggering threshold for storing the successful PSCell change or addition information in *VarSuccessPSCell-Report* based on the *thresholdPercentageT312-SCG* is met:

4> set *t312-cause* in *spr-Cause* to *true*;

3> if *sn-InitiatedPSCellChange* is configured in the *RRCReconfiguration* including the last applied *RRCReconfiguration* with *reconfigurationWithSync* for the SCG:

4> consider all *measObjectNR* configured by the source PSCell;

3> else:

4> consider all *measObjectNR* configured by the PCell;

3> for each of the considered *measObjectNR*:

4> if measurements are available for the *measObjectNR*:

5> if the SS/PBCH block-based measurement quantities are available:

6> include in the *measResultListNR* in *measResultNeighCells* all the available measurement quantities of the best measured cells, other than the source PSCell (in case of PSCell change procedure) or target PSCell, ordered such that the cell with highest SS/PBCH block RSRP is listed first if SS/PBCH block RSRP measurement results are available, otherwise the cell with highest SS/PBCH block RSRQ is listed first if SS/PBCH block RSRQ measurement results are available, otherwise the cell with highest SS/PBCH block SINR is listed first, based on the available SS/PBCH block based measurements collected up to the moment the UE successfully completed the random access procedure;

6> for each neighbour cell included, include the optional fields that are available (including the CSI-RS based measurement quantities, if available);

5> if the CSI-RS measurement quantities are available for the cells not yet included in *measResultListNR* in *measResultNeighCells*:

6> include in the *measResultListNR* in *measResultNeighCells* all the available measurement quantities of the best measured cells, other than the source PSCell (in case of PSCell change procedure) and target PSCell, ordered such that the cell with highest CSI-RS RSRP is listed first if CSI-RS RSRP measurement results are available, otherwise the cell with highest CSI-RS RSRQ is listed first if CSI-RS RSRQ measurement results are available, otherwise the cell with highest CSI-RS SINR is listed first, based on the available CSI-RS based measurements collected up to the moment the UE successfully completed the random access procedure;

6> for each neighbour cell included, include the optional fields that are available;

3> for each of the neighbour cells included in *measResultNeighCells*:

4> if the cell was a candidate target cell included in the *condRRCReconfig* within the *conditionalReconfiguration*, configured by the source PCell including the *condExecutionCond* within the *conditionalReconfiguration* associated to *condEventA4* or by the source PSCell (in case of PSCell change) when the last *RRCReconfiguration* message for the SCG including *reconfigurationWithSync* was applied:

5> set the *choCandidate* to *true* in *measResultNR*;

3> if *sn-InitiatedPSCellChange* is configured in the *RRCReconfiguration* including the last applied *RRCReconfiguration* with *reconfigurationWithSync* for the SCG:

4> if available, set the *locationInfo* as in 5.3.3.7 7 according to the *otherConfig* associated with the source PSCell;

4> include *sn-InitiatedPSCellChange*;

3> else:

4> if available, set the *locationInfo* as in 5.3.3.7 7 according to the *otherConfig* associated with the PCell;

1> release *successPSCell-Config* configured by the source PSCell if available and *thresholdPercentageT304* if configured by the target PSCell.

The UE may discard the successful PSCell change or addition information, i.e., release the UE variable *VarSuccessPSCell-Report*, 48 hours after the last successful PSCell change or addition information is added to the *VarSuccessPSCell-Report* or upon deregistration from the network as specified in TS 23.502 [43].

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| NEXT CHANGE |

### 6.3.4 Other information elements

#### – *OtherConfig*

The IE *OtherConfig* contains configuration related to miscellaneous other configurations.

*OtherConfig* information element

-- ASN1START

-- TAG-OTHERCONFIG-START

OtherConfig ::= SEQUENCE {

delayBudgetReportingConfig CHOICE{

release NULL,

setup SEQUENCE{

delayBudgetReportingProhibitTimer ENUMERATED {s0, s0dot4, s0dot8, s1dot6, s3, s6, s12, s30}

}

} OPTIONAL -- Need M

}

OtherConfig-v1540 ::= SEQUENCE {

overheatingAssistanceConfig SetupRelease {OverheatingAssistanceConfig} OPTIONAL, -- Need M

...

}

OtherConfig-v1610 ::= SEQUENCE {

idc-AssistanceConfig-r16 SetupRelease {IDC-AssistanceConfig-r16} OPTIONAL, -- Need M

drx-PreferenceConfig-r16 SetupRelease {DRX-PreferenceConfig-r16} OPTIONAL, -- Need M

maxBW-PreferenceConfig-r16 SetupRelease {MaxBW-PreferenceConfig-r16} OPTIONAL, -- Need M

maxCC-PreferenceConfig-r16 SetupRelease {MaxCC-PreferenceConfig-r16} OPTIONAL, -- Need M

maxMIMO-LayerPreferenceConfig-r16 SetupRelease {MaxMIMO-LayerPreferenceConfig-r16} OPTIONAL, -- Need M

minSchedulingOffsetPreferenceConfig-r16 SetupRelease {MinSchedulingOffsetPreferenceConfig-r16} OPTIONAL, -- Need M

releasePreferenceConfig-r16 SetupRelease {ReleasePreferenceConfig-r16} OPTIONAL, -- Need M

referenceTimePreferenceReporting-r16 ENUMERATED {true} OPTIONAL, -- Need R

btNameList-r16 SetupRelease {BT-NameList-r16} OPTIONAL, -- Need M

wlanNameList-r16 SetupRelease {WLAN-NameList-r16} OPTIONAL, -- Need M

sensorNameList-r16 SetupRelease {Sensor-NameList-r16} OPTIONAL, -- Need M

obtainCommonLocation-r16 ENUMERATED {true} OPTIONAL, -- Need R

sl-AssistanceConfigNR-r16 ENUMERATED{true} OPTIONAL -- Need R

}

OtherConfig-v1700 ::= SEQUENCE {

ul-GapFR2-PreferenceConfig-r17 ENUMERATED {true} OPTIONAL, -- Need R

musim-GapAssistanceConfig-r17 SetupRelease {MUSIM-GapAssistanceConfig-r17} OPTIONAL, -- Need M

musim-LeaveAssistanceConfig-r17 SetupRelease {MUSIM-LeaveAssistanceConfig-r17} OPTIONAL, -- Need M

successHO-Config-r17 SetupRelease {SuccessHO-Config-r17} OPTIONAL, -- Need M

maxBW-PreferenceConfigFR2-2-r17 ENUMERATED {true} OPTIONAL, -- Cond maxBW

maxMIMO-LayerPreferenceConfigFR2-2-r17 ENUMERATED {true} OPTIONAL, -- Cond maxMIMO

minSchedulingOffsetPreferenceConfigExt-r17 ENUMERATED {true} OPTIONAL, -- Cond minOffset

rlm-RelaxationReportingConfig-r17 SetupRelease {RLM-RelaxationReportingConfig-r17} OPTIONAL, -- Need M

bfd-RelaxationReportingConfig-r17 SetupRelease {BFD-RelaxationReportingConfig-r17} OPTIONAL, -- Need M

scg-DeactivationPreferenceConfig-r17 SetupRelease {SCG-DeactivationPreferenceConfig-r17} OPTIONAL, -- Cond SCG

rrm-MeasRelaxationReportingConfig-r17 SetupRelease {RRM-MeasRelaxationReportingConfig-r17} OPTIONAL, -- Need M

propDelayDiffReportConfig-r17 SetupRelease {PropDelayDiffReportConfig-r17} OPTIONAL -- Need M

}

OtherConfig-v1800 ::= SEQUENCE {

idc-AssistanceConfig-v1800 SetupRelease {IDC-AssistanceConfig-v1800} OPTIONAL, -- Need M

multiRx-PreferenceReportingConfigFR2-r18 SetupRelease {MultiRx-PreferenceReportingConfigFR2-r18} OPTIONAL, -- Need M

aerial-FlightPathAvailabilityConfig-r18 ENUMERATED {true} OPTIONAL, -- Need R

ul-TrafficInfoReportingConfig-r18 SetupRelease {UL-TrafficInfoReportingConfig-r18} OPTIONAL, -- Need M

n3c-RelayUE-InfoReportConfig-r18 ENUMERATED {true} OPTIONAL, -- Need R

successPSCell-Config-r18 SetupRelease {SuccessPSCell-Config-r18} OPTIONAL, -- Need M

sn-InitiatedPSCellChange-r18 ENUMERATED {true} OPTIONAL, -- Need R

musim-GapPriorityAssistanceConfig-r18 ENUMERATED {true} OPTIONAL, -- Cond musimGapConfig

musim-CapabilityRestrictionConfig-r18 SetupRelease {MUSIM-CapabilityRestrictionConfig-r18} OPTIONAL -- Need M

}

OtherConfig-v1830 ::= SEQUENCE {

sl-PRS-AssistanceConfigNR-r18 ENUMERATED{true} OPTIONAL -- Need R

}

IDC-AssistanceConfig-v1800 ::= SEQUENCE {

idc-FDM-AssistanceConfig-r18 SetupRelease {IDC-FDM-AssistanceConfig-r18} OPTIONAL, -- Need M

idc-TDM-AssistanceConfig-r18 ENUMERATED {setup} OPTIONAL -- Cond FDM

}

MultiRx-PreferenceReportingConfigFR2-r18 ::= SEQUENCE {

multiRx-PreferenceReportingConfigFR2ProhibitTimer-r18 ENUMERATED {

s0, s0dot5, s1, s2, s3, s4, s5, s6, s7,

s8, s9, s10, s20, s30, spare2, spare1}

}

CandidateServingFreqListNR-r16 ::= SEQUENCE (SIZE (1..maxFreqIDC-r16)) OF ARFCN-ValueNR

MUSIM-GapAssistanceConfig-r17 ::= SEQUENCE {

musim-GapProhibitTimer-r17 ENUMERATED {s0, s0dot1, s0dot2, s0dot3, s0dot4, s0dot5, s1, s2, s3, s4, s5, s6, s7, s8, s9, s10}

}

MUSIM-LeaveAssistanceConfig-r17 ::= SEQUENCE {

musim-LeaveWithoutResponseTimer-r17 ENUMERATED {ms10, ms20, ms40, ms60, ms80, ms100, spare2, spare1}

}

MUSIM-CapabilityRestrictionConfig-r18 ::= SEQUENCE {

musim-CandidateBandList-r18 MUSIM-CandidateBandList-r18 OPTIONAL, -- Need R

musim-WaitTimer-r18 ENUMERATED {ms10, ms20, ms40, ms60, ms80, ms100, spare2, spare1},

musim-ProhibitTimer-r18 ENUMERATED {s0, s0dot1, s0dot2, s0dot3, s0dot4, s0dot5, s1, s2, s3, s4, s5, s6, s7, s8,

s9, s10}

}

MUSIM-CandidateBandList-r18::= SEQUENCE (SIZE (1..maxCandidateBandIndex-r18)) OF FreqBandIndicatorNR

SuccessHO-Config-r17 ::= SEQUENCE {

thresholdPercentageT304-r17 ENUMERATED {p40, p60, p80, spare5, spare4, spare3, spare2, spare1} OPTIONAL, --Need R

thresholdPercentageT310-r17 ENUMERATED {p40, p60, p80, spare5, spare4, spare3, spare2, spare1} OPTIONAL, --Need R

thresholdPercentageT312-r17 ENUMERATED {p20, p40, p60, p80, spare4, spare3, spare2, spare1} OPTIONAL, --Need R

sourceDAPS-FailureReporting-r17 ENUMERATED {true} OPTIONAL, --Need R

...

}

SuccessPSCell-Config-r18 ::= SEQUENCE {

thresholdPercentageT304-SCG-r18 ENUMERATED {p40, p60, p80, spare5, spare4, spare3, spare2, spare1} OPTIONAL, --Need R

thresholdPercentageT310-SCG-r18 ENUMERATED {p40, p60, p80, spare5, spare4, spare3, spare2, spare1} OPTIONAL, --Need R

thresholdPercentageT312-SCG-r18 ENUMERATED {p20, p40, p60, p80, spare4, spare3, spare2, spare1} OPTIONAL, --Need R

...

}

OverheatingAssistanceConfig ::= SEQUENCE {

overheatingIndicationProhibitTimer ENUMERATED {s0, s0dot5, s1, s2, s5, s10, s20, s30,

s60, s90, s120, s300, s600, spare3, spare2, spare1}

}

IDC-AssistanceConfig-r16 ::= SEQUENCE {

candidateServingFreqListNR-r16 CandidateServingFreqListNR-r16 OPTIONAL, -- Need R

...

}

DRX-PreferenceConfig-r16 ::= SEQUENCE {

drx-PreferenceProhibitTimer-r16 ENUMERATED {

s0, s0dot5, s1, s2, s3, s4, s5, s6, s7,

s8, s9, s10, s20, s30, spare2, spare1}

}

MaxBW-PreferenceConfig-r16 ::= SEQUENCE {

maxBW-PreferenceProhibitTimer-r16 ENUMERATED {

s0, s0dot5, s1, s2, s3, s4, s5, s6, s7,

s8, s9, s10, s20, s30, spare2, spare1}

}

MaxCC-PreferenceConfig-r16 ::= SEQUENCE {

maxCC-PreferenceProhibitTimer-r16 ENUMERATED {

s0, s0dot5, s1, s2, s3, s4, s5, s6, s7,

s8, s9, s10, s20, s30, spare2, spare1}

}

MaxMIMO-LayerPreferenceConfig-r16 ::= SEQUENCE {

maxMIMO-LayerPreferenceProhibitTimer-r16 ENUMERATED {

s0, s0dot5, s1, s2, s3, s4, s5, s6, s7,

s8, s9, s10, s20, s30, spare2, spare1}

}

MinSchedulingOffsetPreferenceConfig-r16 ::= SEQUENCE {

minSchedulingOffsetPreferenceProhibitTimer-r16 ENUMERATED {

s0, s0dot5, s1, s2, s3, s4, s5, s6, s7,

s8, s9, s10, s20, s30, spare2, spare1}

}

ReleasePreferenceConfig-r16 ::= SEQUENCE {

releasePreferenceProhibitTimer-r16 ENUMERATED {

s0, s0dot5, s1, s2, s3, s4, s5, s6, s7,

s8, s9, s10, s20, s30, infinity, spare1},

connectedReporting ENUMERATED {true} OPTIONAL -- Need R

}

RLM-RelaxationReportingConfig-r17 ::= SEQUENCE {

rlm-RelaxtionReportingProhibitTimer ENUMERATED {s0, s0dot5, s1, s2, s5, s10, s20, s30,

s60, s90, s120, s300, s600, infinity, spare2, spare1}

}

BFD-RelaxationReportingConfig-r17 ::= SEQUENCE {

bfd-RelaxtionReportingProhibitTimer ENUMERATED {s0, s0dot5, s1, s2, s5, s10, s20, s30,

s60, s90, s120, s300, s600, infinity, spare2, spare1}

}

SCG-DeactivationPreferenceConfig-r17 ::= SEQUENCE {

scg-DeactivationPreferenceProhibitTimer-r17 ENUMERATED {

s0, s1, s2, s4, s8, s10, s15, s30,

s60, s120, s180, s240, s300, s600, s900, s1800}

}

RRM-MeasRelaxationReportingConfig-r17 ::= SEQUENCE {

s-SearchDeltaP-Stationary-r17 ENUMERATED {dB2, dB3, dB6, dB9, dB12, dB15, spare2, spare1},

t-SearchDeltaP-Stationary-r17 ENUMERATED {s5, s10, s20, s30, s60, s120, s180, s240, s300, spare7, spare6, spare5,

spare4, spare3, spare2, spare1}

}

PropDelayDiffReportConfig-r17 ::= SEQUENCE {

threshPropDelayDiff-r17 ENUMERATED {ms0dot5, ms1, ms2, ms3, ms4, ms5, ms6 ,ms7, ms8, ms9, ms10, spare5,

spare4, spare3, spare2, spare1} OPTIONAL, -- Need M

neighCellInfoList-r17 SEQUENCE (SIZE (1..maxCellNTN-r17)) OF NeighbourCellInfo-r17 OPTIONAL -- Need M

}

NeighbourCellInfo-r17 ::= SEQUENCE {

epochTime-r17 EpochTime-r17,

ephemerisInfo-r17 EphemerisInfo-r17

}

IDC-FDM-AssistanceConfig-r18 ::= SEQUENCE {

candidateServingFreqRangeListNR-r18 CandidateServingFreqRangeListNR-r18 OPTIONAL, -- Need R

...

}

CandidateServingFreqRangeListNR-r18 ::= SEQUENCE (SIZE (1..maxFreqIDC-r16)) OF CandidateServingFreqRangeNR-r18

CandidateServingFreqRangeNR-r18 ::= SEQUENCE {

candidateCenterFreq-r18 ARFCN-ValueNR,

candidateBandwidth-r18 ENUMERATED {khz200, khz400, khz600, khz800, mhz1, mhz2, mhz3, mhz4, mhz5,

mhz6, mhz8, mhz10, mhz20, mhz30, mhz40, mhz50, mhz60, mhz80, mhz100,

mhz200, mhz300, mhz400} OPTIONAL -- Need R

}

UL-TrafficInfoReportingConfig-r18 ::= SEQUENCE {

pdu-SessionsToReportUL-TrafficInfoList-r18 SEQUENCE (SIZE (1.. maxNrofPDU-Sessions-r17)) OF PDU-SessionToReportUL-TrafficInfo-r18,

ul-TrafficInfoProhibitTimer-r18 ENUMERATED {s0, s0dot5, s1, s2, s5, s10, s20, s30,

s60, s90, s120, s300, s600, spare3, spare2, spare1}

}

PDU-SessionToReportUL-TrafficInfo-r18 ::= SEQUENCE {

pdu-SessionID PDU-SessionID,

qfi-ToReportUL-TrafficInfoList-r18 SEQUENCE (SIZE (1..maxNrofQFIs)) OF QFI

}

-- TAG-OTHERCONFIG-STOP

-- ASN1STOP

| *OtherConfig* field descriptions |
| --- |
| ***aerial-FlightPathAvailabilityConfig***  Configuration for the UE to indicate the availability of flight path information for Aerial UE operation. |
| ***bfd-RelaxationReportingConfig***  Configuration for the UE to report the relaxation state of BFD measurements. |
| ***btNameList***  Configuration for the UE to report measurements from specific Bluetooth beacons. NG-RAN configures the field if *includeBT-Meas* is configured for one or more measurements. |
| ***candidateBandwidth***  Indicates the bandwidth of the candidate frequency range around the center frequency. |
| ***candidateCenterFreq***  Indicates the center frequency of the candidate frequency range. |
| ***candidateServingFreqListNR***  Indicates for each candidate NR serving cells, the center frequency around which UE is requested to report IDC issues. |
| ***candidateServingFreqRangeListNR***  Indicates the candidate frequency range with the combination of the center frequency and the candidate bandwidth, around which the UE is requested to report IDC issues. |
| ***connectedReporting***  Indicates that the UE can report a preference to remain in RRC\_CONNECTED state following a report to leave RRC\_CONNECTED state. If absent, the UE cannot report a preference to stay in RRC\_CONNECTED state. |
| ***delayBudgetReportingProhibitTimer***  Prohibit timer for delay budget reporting. Value in seconds. Value *s0* means prohibit timer is set to 0 seconds, value *s0dot4* means prohibit timer is set to 0.4 seconds, and so on. |
| ***drx-PreferenceConfig***  Configuration for the UE to report assistance information to inform the gNB about the UE's DRX preferences for power saving. |
| ***drx-PreferenceProhibitTimer***  Prohibit timer for DRX preferences assistance information reporting. Value in seconds. Value *s0* means prohibit timer is set to 0 seconds, value *s0dot5* means prohibit timer is set to 0.5 seconds, value *s1* means prohibit timer is set to 1 second and so on. |
| ***idc-AssistanceConfig***  Configuration for the UE to report assistance information to inform the gNB about UE detected IDC problem. |
| ***maxBW-PreferenceConfig***  Configuration for the UE to report assistance information to inform the gNB about the UE's preferred bandwidth for power saving. |
| ***maxBW-PreferenceProhibitTimer***  Prohibit timer for preferred bandwidth assistance information reporting. Value in seconds. Value *s0* means prohibit timer is set to 0 seconds, value *s0dot5* means prohibit timer is set to 0.5 seconds, value *s1* means prohibit timer is set to 1 second and so on. |
| ***maxCC-PreferenceConfig***  Configuration for the UE to report assistance information to inform the gNB about the UE's preferred number of carriers for power saving. |
| ***maxBW-PreferenceConfigFR2-2***  Configuration for the UE to report assistance information to inform the gNB about the UE's preferred bandwidth for power saving for FR2-2. |
| ***maxCC-PreferenceProhibitTimer***  Prohibit timer for preferred number of carriers assistance information reporting. Value in seconds. Value *s0* means prohibit timer is set to 0 seconds, value *s0dot5* means prohibit timer is set to 0.5 seconds, value *s1* means prohibit timer is set to 1 second and so on. |
| ***maxMIMO-LayerPreferenceConfig***  Configuration for the UE to report assistance information to inform the gNB about the UE's preferred number of MIMO layers for power saving. |
| ***maxMIMO-LayerPreferenceConfigFR2-2***  Configuration for the UE to report assistance information to inform the gNB about the UE's preferred number of MIMO layers for power saving for FR2-2. |
| ***maxMIMO-LayerPreferenceProhibitTimer***  Prohibit timer for preferred number of number of MIMO layers assistance information reporting. Value in seconds. Value *s0* means prohibit timer is set to 0 seconds, value *s0dot5* means prohibit timer is set to 0.5 seconds, value *s1* means prohibit timer is set to 1 second and so on. |
| ***minSchedulingOffsetPreferenceConfig***  Configuration for the UE to report assistance information to inform the gNB about the UE's preferred *minimumSchedulingOffset* value for cross-slot scheduling for power saving. |
| ***minSchedulingOffsetPreferenceConfigExt***  Configuration for the UE to report assistance information to inform the gNB about the UE's preferred *minimumSchedulingOffset* value for cross-slot scheduling for power saving for SCS 480 kHz and/or 960 kHz. |
| ***minSchedulingOffsetPreferenceProhibitTimer***  Prohibit timer for preferred *minimumSchedulingOffset* assistance information reporting. Value in seconds. Value *s0* means prohibit timer is set to 0 seconds, value *s0dot5* means prohibit timer is set to 0.5 seconds, value *s1* means prohibit timer is set to 1 second and so on. |
| ***multiRx-PreferenceReportingConfigFR2***  Configuration for the UE to report assistance information to inform gNB about the UE's preference on multi-Rx operation for FR2. |
| ***multiRx-PreferenceReportingConfigFR2ProhibitTimer***  Prohibit timer for multi-Rx operation preference reporting for FR2. Value in seconds. Value *s0* means prohibit timer is set to 0 seconds, value *s0dot5* means prohibit timer is set to 0.5 seconds, value *s1* means prohibit timer is set to 1 second and so on. |
| ***musim-CandidateBandList***  A list of candidate bands that the network intends to use, e.g., for serving cells and for which the UE is requested to provide information on temporary restricted capabilities for MUSIM operation as specified in clause 5.7.4.3. |
| ***musim-GapAssistanceConfig***  Configuration for the UE to report assistance information for gap preference. |
| ***musim-GapPriorityAssistanceConfig***  Indicates the UE is allowed to provide MUSIM assistance information for gap(s) priority or MUSIM gaps keep preference. |
| ***musim-GapProhibitTimer***  Prohibit timer for MUSIM assistance information reporting for gap preference. |
| ***musim-LeaveAssistanceConfig***  Configuration for the UE to report assistance information for leaving RRC\_CONNECTED for MUSIM purpose. |
| ***musim-LeaveWithoutResponseTimer***  Indicates the timer for the UE to enter RRC\_IDLE for MUSIM purpose as defined in clause 5.3.8.6. |
| ***musim-ProhibitTimer***  Indicates the prohibit timer for UE temporary restricted capabilities for MUSIM operation. Value in milliseconds. Value *ms0* means prohibit timer is set to 0 milliseconds, value *ms10* means prohibit timer is set to 10 milliseconds and so on. |
| ***musim-WaitTimer***  Indicates the wait timer for UE temporary restricted capabilities for MUSIM operation. Value in milliseconds. Value *ms10* means wait timer is set to 10 milliseconds, value *ms20* means wait timer is set to 20 milliseconds and so on. |
| ***obtainCommonLocation***  Requests the UE to attempt to have detailed location information available using GNSS. NR configures the field if *includeCommonLocationInfo* is configured for one or more measurements. |
| ***overheatingAssistanceConfig***  Configuration for the UE to report assistance information to inform the gNB about UE detected internal overheating. |
| ***overheatingIndicationProhibitTimer***  Prohibit timer for overheating assistance information reporting. Value in seconds. Value *s0* means prohibit timer is set to 0 seconds, value *s0dot5* means prohibit timer is set to 0.5 seconds, value *s1* means prohibit timer is set to 1 second and so on. |
| ***pdu-SessionsToReportUL-TrafficInfoList***  A list of PDU sessions for which the UE shall report UL traffic information. |
| ***propDelayDiffReportConfig***  Configuration for the UE to report service link propagation delay difference between serving cell and neighbour cell(s). |
| ***qfi-ToReportUL-TrafficInfoList***  A list of QFIs of a PDU session for which the UE shall report UL traffic information. |
| ***referenceTimePreferenceReporting***  If present, the field indicates the UE is configured to provide reference time assistance information. |
| ***releasePreferenceConfig***  Configuration for the UE to report assistance information to inform the gNB about the UE's preference to leave RRC\_CONNECTED state. |
| ***rlm-RelaxationReportingConfig***  Configuration for the UE to report the relaxation state of RLM measurements. |
| ***releasePreferenceProhibitTimer***  Prohibit timer for release preference assistance information reporting. Value in seconds. Value *s0* means prohibit timer is set to 0 seconds, value *s0dot5* means prohibit timer is set to 0.5 seconds, value *s1* means prohibit timer is set to 1 second and so on. Value *infinity* means that once a UE has reported a release preference, the UE cannot report a release preference again during the RRC connection. |
| ***s-SearchDeltaP-Stationary***  Parameter "SSearchDeltaP-StationaryConnected" in 5.7.4.4. Value dB2 corresponds to 2 dB, dB3 corresponds to 3 dB and so on. |
| ***scg-DeactivationPreferenceConfig***  Configuration of the UE to indicate its preference for SCG deactivation. |
| ***scg -StatePreferenceProhibitTimer***  Prohibit timer for UE indication of its preference for SCG deactivation. Value in seconds. Value *s0* means prohibit timer is set to 0 seconds, value *s1* means prohibit timer is set to 1 second and so on. |
| ***sensorNameList***  Configuration for the UE to report measurements from specific sensors. NG-RAN configures the field if *includeSensor-Meas* is configured for one or more measurements. |
| ***sl-AssistanceConfigNR***  Indicate whether UE is configured to provide configured grant assistance information for NR sidelink communication. |
| ***sl-PRS-AssistanceConfigNR***  Indicate whether UE is configured to provide configured grant assistance information for NR sidelink positioning. |
| ***sn-InitiatedPSCellChange***  This field indicates whether the PSCell change procedure or the CPC included in the *RRCReconfiguration* message is SN initiated or not. In case of SN initiated inter-SN PSCell change procedure or SN configured inter-SN CPC, MN includes this field in the MCG RRC Reconfiguration message. In case of intra-SN PSCell change, or intra-SN CPC, source SN includes the field in the SCG RRC Reconfiguration. |
| ***sourceDAPS-FailureReporting***  This field indicates whether the UE shall generate the SHR upon successfully completing the DAPS handover to the target cell and if a radio link failure was experienced in the source PCell while executing the DAPS handover. This field is set in the *otherConfig* configured by the source cell of the DAPS handover. |
| ***successHO-Config***  Configuration for the UE to report the successful handover information to the network. |
| ***successPSCell-Config***  Configuration for the UE to report the successful PSCell change or addition information to the network. When this field is configured in CG-Config, the *thresholdPercentageT304-SCG* is absent. |
| ***t-SearchDeltaP-Stationary***  Parameter "TSearchDeltaP-StationaryConnected" in 5.7.4.4. Value in seconds. Value s5 means 5 seconds, value s10 means 10 seconds and so on. |
| ***thresholdPercentageT304***  This field indicates the threshold for the ratio in percentage between the elapsed T304 timer and the configured value of the T304 timer. Value *p40* corresponds to 40%, value *p60* corresponds to 60% and so on. This field is set in the *otherConfig* configured by the target cell of the handover. |
| ***thresholdPercentageT310***  This field indicates the threshold for the ratio in percentage between the elapsed T310 timer and the configured value of the T310 timer. Value *p40* corresponds to 40%, value *p60* corresponds to 60% and so on. This field is set in the *otherConfig* configured by the source cell of the handover. |
| ***thresholdPercentageT312***  This field indicates the threshold for the ratio in percentage between the elapsed T312 timer and the configured value(s) of the T312 timer. Value *p20* corresponds to 20%, value *p40* corresponds to 40% and so on. This field is set in the *otherConfig* configured by the source cell of the handover. |
| ***thresholdPercentageT304-SCG***  This field indicates the threshold for the ratio in percentage between the elapsed T304 timer associated to the target PSCell and the configured value of the T304 timer. Value *p40* corresponds to 40%, value *p60* corresponds to 60% and so on. This field is set in the *otherConfig* configured by the target PSCell of the PSCell change or addition. |
| ***thresholdPercentageT310-SCG***  This field indicates the threshold for the ratio in percentage between the elapsed T310 timer associated to the source PSCell and the configured value of the T310 timer. Value *p40* corresponds to 40%, value *p60* corresponds to 60% and so on. This field is set in the *otherConfig* configured by the source PSCell of the PSCell change or CPC, or in the *otherConfig* configured by the PCell for the PSCell change or CPC. This field is not configured at the time of PSCell change via SRB3. |
| ***thresholdPercentageT312-SCG***  This field indicates the threshold for the ratio in percentage between the elapsed T312 timer associated to the measurement identity of the target PSCell and the configured value of the T312 timer. Value *p20* corresponds to 20%, value *p40* corresponds to 40% and so on. This field is set in the *otherConfig* configured by the source PSCell of the PSCell change or CPC, or in the *otherConfig* configured by the PCell for the PSCell change or CPC. This field is not configured at the time of PSCell change via SRB3. |
| ***threshPropDelayDiff***  Threshold for one-way service link propagation delay difference report as specified in 5.7.4.2. |
| ***ul-GapFR2-PreferenceConfig***  Indicates whether UE is configured to request for FR2 UL gap activation/deactivation and preferred FR2 UL gap pattern. |
| ***wlanNameList***  Configuration for the UE to report measurements from specific WLAN APs. NG-RAN configures the field if *includeWLAN-Meas* is configured for one or more measurements. |
| ***ul-TrafficInfoProhibitTimer***  Prohibit timer for UL traffic information reporting. Value in seconds. Value *s0* means prohibit timer is set to 0 seconds, value *s0dot5* means prohibit timer is set to 0.5 seconds, value *s1* means prohibit timer is set to 1 second and so on. |
| ***ul-TrafficInfoReportingConfig***  Configuration for the UE to report UL traffic information. |

|  |  |
| --- | --- |
| Conditional Presence | Explanation |
| *FDM* | This field is optionally present, need M, if *idc-AssistanceConfig-r16* or *idc-FDM-AssistanceConfig* is setup. Otherwise, it is absent, need R. |
| *maxBW* | This field is optionally present, need R, if *maxBW-PreferenceConfig-r16* is setup; otherwise it is absent, need R. |
| *maxMIMO* | This field is optionally present, need R, if *maxMIMO-LayerPreferenceConfig-r16* is setup; otherwise it is absent, need R. |
| *minOffset* | This field is optionally present, need R, if *minSchedulingOffsetPreferenceConfig-r16* is setup; otherwise it is absent, need R. |
| *musimGapConfig* | This field is optionally present, need R, if *musim-GapAssistanceConfig-r17* is setup; otherwise it is absent, need R. |
| *SCG* | This field is optionally present, need M, in an *RRCReconfiguration* message not within *mrdc-SecondaryCellGroup* and received, either via SRB3 within *DLInformationTransferMRDC* or via SRB1. Otherwise, it is absent. |

|  |
| --- |
| CHANGE END |