**3GPP TSG-RAN3 Meeting #129bisR3-257244**

**Prague, CZ, 13-17 October, 2025**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **38.473** | **CR** | **160****1** | **rev** | **1** | **Current version:** | **19.0.0** |  |
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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 |  |

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| ***Title:*** | Miscellaneous correction to F1AP - AI/ML for NG-RAN | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ZTE Corporation | | | | | | | | | |
| ***Source to TSG:*** | R3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_AIML\_NGRAN\_enh-Core | | | | |  | ***Date:*** | | | 2025-10-13 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Following is miscellaneous issues detected in XnAP:   1. The *Future Coverage Modification Notification* IE contains both mandatory (cell-level) and optional (beam-level) information. However, in the procedure for the “cancel” operation, the handling of these IEs is not consistently described. 2. The procedural text for the “cancel” operation should consistently refer to TS 38.401. 3. In the sentence “*If the Predicted CCO Assistance Information IE is contained in the GNB-CU CONFIGURATION UPDATE message and the NR CGI IE contained in the Predicted Affected Cells and Beams IE is not served by the gNB-DU, the gNB-DU may use it to adjust the coverage of its cells and/or beam configuration*”, the word “Future” for configuration is not mentioned. 4. There is currently a misalignment in the terminology related to Performance Delay Monitoring between NR user plane specification and F1AP. | | | | | | | | |
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| ***Summary of change:*** | | * Clarify the procedural text to ensure consistency between the mandatory Global NG-RAN Cell Identity IE and the optional SSB information when describing the CCO operation. * Update the procedural text of the “cancel” operation so that it explicitly references TS 38.401. * Clarify the procedural text to explicitly include *Future* where appropriate, e.g.: *“…the gNB-DU may use it to adjust the* ***future*** *coverage of its cells and/or beam configuration”* * Update the name of Performance Delay Monitoring to UE Performance Delay Monitoring, and hence aligns it to the terminology used in NR user plane protocol. * Correct the dimensioning of the *Future Coverage Modification List* IE from 512 to 16384 | | | | | | | | |
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| ***Consequences if not approved:*** | | F1AP support for AI/ML in NG-RAN still has unresolved issues. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 8.2.4, 8.2.5, 9.2.2.1, 9.2.2.7 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | Rev1:  Capture the agreed corrections in RAN3#129bis. | | | | | | | | |

<<<<<<<<<<<<<<<<<<<< Start of changes >>>>>>>>>>>>>>>>>>>>

### 8.2.4 gNB-DU Configuration Update

#### 8.2.4.1 General

The purpose of the gNB-DU Configuration Update procedure is to update application level configuration data needed for the gNB-DU and the gNB-CU to interoperate correctly on the F1 interface. This procedure does not affect existing UE-related contexts, if any. The procedure uses non-UE associated signalling.

NOTE: Update of application level configuration data also applies between the gNB-DU and the gNB-CU in case the DU does not broadcast system information other than for radio frame timing and SFN, as specified in the TS 37.340 [7]. How to use this information when this option is used is not explicitly specified.

#### 8.2.4.2 Successful Operation



Figure 8.2.4.2-1: gNB-DU Configuration Update procedure: Successful Operation

The gNB-DU initiates the procedure by sending a GNB-DU CONFIGURATION UPDATE message to the gNB-CU including an appropriate set of updated configuration data that it has just taken into operational use. The gNB-CU responds with GNB-DU CONFIGURATION UPDATE ACKNOWLEDGE message to acknowledge that it successfully updated the configuration data. If an information element is not included in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU shall interpret that the corresponding configuration data is not changed and shall continue to operate the F1-C interface with the existing related configuration data.

The updated configuration data shall be stored in both nodes and used as long as there is an operational TNL association or until any further update is performed.

If g*NB-DU ID* IE is contained in the GNB-DU CONFIGURATION UPDATE message for a newly established SCTP association, the gNB-CU will associate this association with the related gNB-DU.

If *Served Cells To Add Item* IE is contained in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU shall add cell information according to the information in the *Served Cell Information IE*. For NG-RAN, the gNB-DU shall include the *gNB-DU System Information* IE.

If *Served Cells To Modify Item* IE is contained in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU shall modify information of cell indicated by *Old* *NR CGI* IE according to the information in the *Served Cell Informatio*n IE and overwrite the served cell information for the affected served cell. Further, if the *gNB-DU System Information* IE is present the gNB-CU shall store and replace any previous information received.

If *Served Cells To Delete Item* IE is contained in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU shall delete information of cell indicated by *Old* *NR CGI* IE.

If *Cells Status Item* IE is contained in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU shall update the information about the cells, as described in TS 38.401 [4]. If if the *Switching Off Ongoing* IE is present in the *Cells Status Item* IE, contained in the GNB-DU CONFIGURATION UPDATE message, and the corresponding *Service State IE* is set to "Out-of-Service", the gNB-CU shall ignore the *Switching Off Ongoing* IE.

If *Cells to be Activated List Item* IE is contained in the GNB-DU CONFIGURATION UPDATE ACKNOWLEDGE message, the gNB-DU shall activate the cell indicated by *NR CGI* IE and reconfigure the physical cell identity for cells for which the *NR PCI* IE is included.

If *Cells to be* *Activated List Item* IE is contained in the GNB-DU CONFIGURATION UPDATE ACKNOWLEDGE message and the indicated cells are already activated, the gNB-DU shall update the cell information received in *Cells to be Activated List Item* IE.

If *Cells to be Activated List Item* IE is included in the GNB-DU CONFIGURATION UPDATE ACKNOWLEDGE message, and the information for the cell indicated by the *NR CGI* IE includes the *IAB Info IAB-donor-CU* IE, the gNB-DU shall, if supported, apply the *IAB STC Info* IE therein to the indicated cell.

If *Cells to be Deactivated List Item* IE is contained in the GNB-DU CONFIGURATION UPDATE ACKNOWLEDGE message, the gNB-DU shall deactivate all the cells with NR CGI listed in the IE.

If *Dedicated SI Delivery Needed UE List* IE is contained in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU should take it into account when informing the UE of the updated system information via the dedicated RRC message.

For NG-RAN, the gNB-CU shall include the *gNB-CU System Information* IE in the GNB-DU CONFIGURATION UPDATE ACKNOWLEDGE message. The *SIB type to Be Updated List* IE shall contain the full list of SIBs to be broadcast*.*

For NG-RAN, the gNB-DU may include the *RAN Area Code* IE in the GNB-DU CONFIGURATION UPDATE message. The gNB-CU shall store and replace any previously provided *RAN Area Code* IE by the received *RAN Area Code* IE.

For NG-RAN, the gNB-DU may include the *Supported MBS FSA ID List* IE in the *Served Cell Information* IE in the GNB-DU CONFIGURATION UPDATE message. The gNB-CU shall store and replace any previously provided *MBS FSA ID list* IE by the received *MBS FSA ID list* IE.

If *Available PLMN List* IE, and optionally also *Extended Available PLMN List* IE, is contained in GNB-DU CONFIGURATION UPDATE ACKNOWLEDGE message, the gNB-DU shall overwrite the whole available PLMN list and update the corresponding system information.

If *Available SNPN ID List* IE is contained in GNB-DU CONFIGURATION UPDATE ACKNOWLEDGE message, the gNB-DU shall overwrite the whole available SNPN ID list and update the corresponding system information.

If in GNB-DU CONFIGURATION UPDATE message, the *Cell Direction* IE is present, the gNB-CU should use it to understand whether the cell is for UL or DL only. If in GNB-DU CONFIGURATION UPDATE message, the *Cell Direction* IE is omitted in the *Served Cell Information* IE it shall be interpreted as that the Cell Direction is Bi-directional.

If the GNB-DU CONFIGURATION UPDATE message includes *gNB-DU TNL Association To Remove List* IE, the gNB-CU shall, if supported, initiate removal of the TNL association(s) indicated by gNB-DU TNL endpoint(s) and gNB-CU TNL endpoint(s) if the *TNL Association Transport Layer Address gNB-CU* IE is present, or the TNL association(s) indicated by gNB-DU TNL endpoint(s) if the *TNL Association Transport Layer Address gNB-CU* IE is absent:

- if the received *TNL Association Transport Layer Address* IE includes the *Port Number* IE, the gNB-DU TNL endpoint is identified by the *Endpoint IP Address* IE and the *Port Number* IE. Otherwise, the gNB-DU TNL endpoints correspond to all gNB-DU TNL endpoints identified by the *Endpoint IP Address* IE and any port number(s).

- if the received *TNL Association Transport Layer Address gNB-CU* IE includes the *Port Number* IE, the *gNB-CU* TNL endpoint is identified by the *Endpoint IP Address* IE and the *Port Number* IE. Otherwise, the *gNB-CU* TNL endpoints correspond to all *gNB-CU* TNL endpoints identified by the *Endpoint IP Address* IE and any port number(s).

If the *Intended TDD DL-UL Configuration* IE is present in the GNB-DU CONFIGURATION UPDATE message, the receiving gNB-CU shall use the received information for Cross Link Interference management and/or NR-DC power coordination. The gNB-CU may merge the Intended TDD DL-UL Configuration information received from two or more gNB-DUs. The gNB-CU shall consider the received *Intended TDD DL-UL Configuration* IE content valid until reception of an update of the IE for the same cell(s).

If the *Aggressor gNB Set ID* IE is included in the *Served Cell Information* IE in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU shall, if supported, take it into account.

If the *Victim gNB Set ID* IE is included in the *Served Cell Information* IE in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU shall, if supported, take it into account.

If the GNB-DU CONFIGURATION UPDATE message includes *Transport Layer Address Info* IE, the gNB-CU shall, if supported, take into account for IPSec tunnel establishment.

If the GNB-DU CONFIGURATION UPDATE ACKNOWLEDGE message includes *Transport Layer Address Info* IE, the gNB-DU shall, if supported, take into account for IPSec tunnel establishment.

If the GNB-DU CONFIGURATION UPDATE ACKNOWLEDGE message contains the *Uplink BH Non-UP Traffic Mapping* IE, the gNB-DU shall, if supported, consider the information therein for mapping of non-UP uplink traffic.

If the *SFN Offset* IE is contained in the *Served Cell Information* IE in GNB-DU CONFIGURATION UPDATE message, the gNB-CU shall, if supported, use this information to deduce the SFN0 offset of the reported cell.

If the *NR PRACH Configuration List* IE is included in the *Served Cell Information* IE contained in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU may store the information, and forward it to other RAN nodes for RACH optimisation. If the *L139 Info* IE included in the *NR PRACH Configuration List* IE is present, it shall contain the *Root Sequence Index* IE.

If the GNB-DU CONFIGURATION UPDATE ACKNOWLEDGE message contains the *BAP Address* IE, the gNB-DU shall, if supported, store the received BAP address and use it as specified in TS 38.340 [30].

If the *Coverage Modification Notification* IE is contained in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU shall, if supported, take it into account for Coverage and Capacity Optimization and network energy saving. If the *Coverage Modification Cause* IE is set to the "network energy saving", gNB-CU may consider those deactivated SSB beams are due to network energy saving.

If the *Cells for SON* IE is present in the GNB-DU CONFIGURATION UPDATE ACKNOWLEDGE message, the gNB-DU may store or update this information and behaves as follows:

- For each served cell indicated by the *NR CGI* IE included within the *Cells for SON Item* IE, the gNB-DU may adjust the PRACH configuration of this served cell.

- If the *Neighbour NR Cells for SON List* IE is present in the *Cells for SON Item* IE, the gNB-DU may take the PRACH configuration of neighbour cells included in the *Neighbour NR Cells for SON List* IE into consideration when adjusting the PRACH configuration of the served cell.

If the *RedCap Broadcast Information* IE is contained in the *Served Cell Information* IE in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU may store and use this information to determine a suitable target in case of subsequent outgoing mobility involving RedCap UEs.

If the *eRedCap Broadcast Information* IE is contained in the *Served Cell Information* IE in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU may store and use this information to determine a suitable target in case of subsequent outgoing mobility involving eRedCap UEs.

If the *TAI NSAG Support List* IE is included in the *Served Cell Information* IE in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU shall, if supported, use this information as specified in TS 23.501 [21].

If the *gNB-DU Name* IE is included in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU may store it or update this IE value if already stored, and use it as a human readable name of the gNB-DU. If the *Extended gNB-DU Name* IE is included in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU may store it or update this IE value if already stored, and use it as a human readable name of the gNB-DU and shall ignore the *gNB-DU Name* IE if also included.

If the *RRC Terminating IAB-Donor Related Info* IE is included in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU shall, if supported, consider that the BAP address indicated by the *Mobile IAB-MT BAP Address* IE is assigned by the gNB-CU of the RRC-terminating IAB-donor indicated by the *RRC Terminating IAB-Donor gNB-ID* IE, and it shall use this BAP address and gNB ID for the subsequent IAB Transport Migration Management procedure towards the RRC-terminating IAB-donor of the mobile IAB-node as needed, as specified in TS 38.423 [28].

If the GNB-DU CONFIGURATION UPDATE message contains the *Mobile IAB-MT User Location Information* IE, the gNB-CU shall, if supported, take it into account when reporting UE location information to the AMF for a UE served by the mobile IAB-node.

If the *XR Broadcast Information* IE is included in the *Served Cell Information* IE in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU shall, if supported, consider the indicated cell does not allow 2Rx XR UEs in case of subsequent outgoing mobility involving XR UEs.

If the *Barring Exemption for Emergency Call Information* IE is included in the *Served Cell Information* IE in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU may store the information and consider the indicated cell allows emergency bearer services for UEs who would otherwise consider the cell as barred as specified in TS 38.304 [24].

If the *on-demand SIB1* IE is included and set to "Provision" in the *Served Cell Information* IE in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU shall, if supported, use this information indicated in the *On-demand SIB1 Config* IE for coordination of on-demand SIB1 transmission for network energy saving as specified in TS 38.300 [6].

If the *on-demand SIB1* IE is included and set to "Stop provision" in the *Served Cell Information* IE in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU shall, if supported, stop the coordination of on-demand SIB1 transmission for network energy saving as specified in TS 38.300 [6].

If the *Future Coverage Modification Notification* IE is contained in the GNB-DU CONFIGURATION UPDATE message, the gNB-CU shall, if supported, take it into account for Coverage and Capacity Optimization.

If the *Future Coverage Modification Notification* IE is contained in the GNB-DU CONFIGURATION UPDATE message and if the *Future Coverage Modification Cause* IE is set to “cancel”, the gNB-CU shall, if supported, consider it as a notification that the gNB-DU has cancelled the future coverage modifications indicated for the cell(s) and optionally beam(s) listed in the *Future Coverage Modification Notification* IE, as specified in TS38.401[4].

<<<<<<<<<<<<<<<<<<<< Next change >>>>>>>>>>>>>>>>>>>>

### 8.2.5 gNB-CU Configuration Update

#### 8.2.5.1 General

The purpose of the gNB-CU Configuration Update procedure is to update application level configuration data needed for the gNB-DU and gNB-CU to interoperate correctly on the F1 interface. This procedure does not affect existing UE-related contexts, if any. The procedure uses non-UE associated signalling.

#### 8.2.5.2 Successful Operation



Figure 8.2.5.2-1: gNB-CU Configuration Update procedure: Successful Operation

The gNB-CU initiates the procedure by sending a GNB-CU CONFIGURATION UPDATE message including the appropriate updated configuration data to the gNB-DU. The gNB-DU responds with a GNB-CU CONFIGURATION UPDATE ACKNOWLEDGE message to acknowledge that it successfully updated the configuration data. If an information element is not included in the GNB-CU CONFIGURATION UPDATE message, the gNB-DU shall interpret that the corresponding configuration data is not changed and shall continue to operate the F1-C interface with the existing related configuration data.

The updated configuration data shall be stored in the respective node and used as long as there is an operational TNL association or until any further update is performed.

If *Cells to be Activated List Item* IE is contained in the GNB-CU CONFIGURATION UPDATE message, the gNB-DU shall activate the cell indicated by *NR CGI* IE and reconfigure the physical cell identity for which the *NR PCI* IE is included.

If the *SSBs within the cell to be Activated List* IE is included in the *Cells to be Activated List Item* IE within the gNB-CU CONFIGURATION UPDATE message, the gNB-DU shall, if supported, only activate those SSB beams indicated by the *SSB Index* IE.

If at least one requested SSB beam in the *SSBs within the cell to be Activated List* IE is activated, the gNB-DU includes the *Cells with SSBs Activated List* IE in the GNB-CU CONFIGURATION UPDATE ACKNOWLEDGE message. The gNB-CU shall consider that the SSB beams indicated by the *SSBs activated List* IE as activated.

If *Cells to be Deactivated List Item* IE is contained in the GNB-CU CONFIGURATION UPDATE message, the gNB-DU shall deactivate the cell indicated by *NR CGI* IE.

If *Cells to be Activated List Item* IE is contained in the GNB-CU CONFIGURATION UPDATE message and the indicated cells are already activated, the gNB-DU shall update the cell information received in *Cells to be Activated List Item* IE.

If *Cells to be Activated List Item* IE is included in the GNB-CU CONFIGURATION UPDATE message, and the information for the cell indicated by the *NR CGI* IE includes the *IAB Info IAB-donor-CU* IE, the gNB-DU shall, if supported, apply the *IAB STC Info* IE therein to the indicated cell.

If the *Cells Allowed to be Deactivated List* IE is contained in the GNB-CU CONFIGURATION UPDATE message, the gNB-DU shall, if supported, consider that it is allowed to deactivate the SSB beams within the indicated cells for network energy saving purpose.

If the *gNB-CU System Information* IE is contained in the gNB-CU CONFIGURATION UPDATE message, the gNB-DU shall include the *Dedicated SI Delivery Needed UE List* IE in the GNB-CU CONFIGURATION UPDATE ACKNOWLEDGE message for UEs that are unable to receive system information from broadcast.

If *Dedicated SI Delivery Needed UE List* IE is contained in the GNB-CU CONFIGURATION UPDATE ACKNOWLEDGE message, the gNB-CU should take it into account when informing the UE of the updated system information via the dedicated RRC message.

If the *gNB-CU TNL Association To Add List* IE is contained in the gNB-CU CONFIGURATION UPDATE message, the gNB-DU shall, if supported, use it to establish the TNL association(s) with the gNB-CU. If the *gNB-CU TNL Association To Add List* is included in the GNB-CU CONFIGURATION UPDATE message, and if the *TNL Association Transport Layer Information* IE does not include the *Port Number* IE, the gNB-DU shall assume that port number value 38472 is used for the endpoint. The gNB-DU shall report to the gNB-CU, in the gNB-CU CONFIGURATION UPDATE ACKNOWLEDGE message, the successful establishment of the TNL association(s) with the gNB-CU as follows:

- A list of TNL address(es) with which the gNB-DU successfully established the TNL association shall be included in the gNB-CU *TNL Association Setup List* IE;

- A list of TNL address(es) with which the gNB-DU failed to establish the TNL association shall be included in the *gNB-CU TNL Association Failed To Setup List* IE.

If the GNB-CU CONFIGURATION UPDATE message includes *gNB-CU TNL Association To Remove List* IE, the gNB-DU shall, if supported, initiate removal of the TNL association(s) indicated by gNB-CU TNL endpoint(s) and gNB-DU TNL endpoint(s) if the *TNL Association Transport Layer Address gNB-DU* IE is present, or the TNL association(s) indicated by gNB-CU TNL endpoint(s) if the *TNL Association Transport Layer Address gNB-DU IE* is absent:

- if the received *TNL Association Transport Layer Address* IE includes the *Port Number* IE, the gNB-CU TNL endpoint is identified by the *Endpoint IP Address* IE and the *Port Number* IE. Otherwise, the gNB-CU TNL endpoints correspond to all gNB-CU TNL endpoints identified by the *Endpoint IP Address* IE and any port number(s).

- if the received *TNL Association Transport Layer Address gNB-DU* IE includes the *Port Number* IE, the gNB-DU TNL endpoint is identified by the *Endpoint IP Address* IE and the *Port Number* IE. Otherwise, the gNB-DU TNL endpoints correspond to all gNB-DU node TNL endpoints identified by the *Endpoint IP Address* IE and any port number(s).

If the *gNB-CU TNL Association To Update List* IE is contained in the gNB-CU CONFIGURATION UPDATE message the gNB-DU shall, if supported, overwrite the previously stored information for the related TNL Association(s).

- if the received *TNL Association Transport Layer Address* IE includes the *Port Number* IE, the gNB-CU TNL endpoint is identified by the *Endpoint IP Address* IE and the *Port Number* IE. Otherwise, the gNB-CU TNL endpoints correspond to all gNB-CU TNL endpoints identified by the *Endpoint IP Address* IE and any port number(s).

If in the gNB-CU CONFIGURATION UPDATE message the *TNL* *Association usage* IE is included in the *gNB-CU TNL Association To Add List* IE or the *gNB-CU TNL Association To Update List* IE, the gNB-DU node shall, if supported, use it as described in TS 38.472 [22].

For NG-RAN, the gNB-CU shall include the *gNB-CU System Information* IE in the GNB-CU CONFIGURATION UPDATE message. The *SIB type to Be Updated List* IE shall contain the full list of SIBs to be broadcast.

If *Protected E-UTRA Resources List* IE is contained in the GNB-CU CONFIGURATION UPDATE message, the gNB-DU shall protect the corresponding resource of the cells indicated by *E-UTRA Cells* *List* IE for spectrum sharing between E-UTRA and NR.

If the GNB-CU CONFIGURATION UPDATE message contains the *Protected E-UTRA Resource Indication* IE, the receiving gNB-DU should forward it to lower layers and use it for cell-level resource coordination. The gNB-DU shall consider the received *Protected E-UTRA Resource Indication* IE when expressing its desired resource allocation during gNB-DU Resource Coordination procedure. The gNB-DU shall consider the received *Protected E-UTRA Resource Indication* IE content valid until reception of a new update of the IE for the same gNB-DU.

If *Available PLMN List* IE, and optionally also *Extended Available PLMN List* IE, is contained in GNB-CU CONFIGURATION UPDATE message, the gNB-DU shall overwrite the whole available PLMN list and update the corresponding system information.

If *Available SNPN ID List* IE is contained in GNB-CU CONFIGURATION UPDATE message, the gNB-DU shall overwrite the whole available SNPN ID list and update the corresponding system information.

If *Cells Failed to be Activated Item* IE is contained in the GNB-CU CONFIGURATION UPDATE ACKNOWLEDGE message, the gNB-CU shall consider that the indicated cells are out-of-service as defined in TS 38.401 [4].

If the *Neighbour Cell Information List* IE is present in the GNB-CU CONFIGURATION UPDATE message, the receiving gNB-DU shall use the received information for Cross Link Interference management and/or NR-DC power coordination. The gNB-DU shall consider the received *Neighbour Cell Information List* IE content valid until reception of an update of the IE for the same cell(s). If the *Intended TDD DL-UL Configuration NR* IE is absent from the *Neighbour Cell Information List* IE, whereas the corresponding *NR CGI* IE is present, the receiving gNB-DU shall remove the previously stored *Neighbour Cell Information* IE corresponding to the NR CGI.

If the GNB-CU CONFIGURATION UPDATE message includes *Transport Layer Address Info* IE, the gNB-DU shall, if supported, take into account for IPSec tunnel establishment.

If the GNB-CU CONFIGURATION UPDATE ACKNOWLEDGE message includes *Transport Layer Address Info* IE, the gNB-CU shall, if supported, take into account for IPSec tunnel establishment.

If the GNB-CU CONFIGURATION UPDATE message contains the *Uplink BH Non-UP Traffic Mapping* IE, the gNB-DU shall, if supported, consider the information therein for mapping of non-UP uplink traffic.

If the *IAB Barred* IE is included in the GNB-CU CONFIGURATION UPDATE message, the gNB-DU shall, if supported, consider it as an indication of whether the cell allows IAB-node access or not.

If the *BAP Address* IE is included in the GNB-CU CONFIGURATION UPDATE message, the gNB-DU shall, if supported, store the received BAP address and use it as specified in TS 38.340 [30].

If the *CCO Assistance Information* IE is contained in the GNB-CU CONFIGURATION UPDATE message, and the *NR CGI* IE contained in the *Affected Cells and Beams* IE is served by the gNB-DU, the gNB-DU may use it to determine a new cell and/or beam configuration.

If the *CCO Assistance Information* IE is contained in the GNB-CU CONFIGURATION UPDATE message and the *NR CGI* IE contained in the *Affected Cells and Beams* IE is not served by the gNB-DU, the gNB-DU may use it to adjust coverage of its cells.If the *CCO issue detection* IE set to "network energy saving" is included in the *CCO Assistance Information* IE, the gNB-DU may consider the indicated SSB beams by the *Affected Cells and Beam* IE are deactivated due to network energy saving.

If the *Cells for SON* IE is present in the GNB-CU CONFIGURATION UPDATE message, the gNB-DU may store or update this information and it behaves as follows:

- For each served cell indicated by the *NR CGI* IE included within the *Cells for SON Item* IE, the gNB-DU may adjust the PRACH configuration of this served cell.

- If the *Neighbour NR Cells for SON List* IE is present in the *Cells for SON Item* IE, the gNB-DU may take the PRACH configuration of neighbour cells included in the *Neighbour NR Cells for SON List* IE into consideration when adjusting the PRACH configuration of the served cell.

If the *gNB-CU Name* IE is included in the GNB-CU CONFIGURATION UPDATE message, the gNB-DU may store it or update this IE value if already stored, and use it as a human readable name of the gNB-CU. If the *Extended gNB-CU Name* IE is included in the GNB-CU CONFIGURATION UPDATE message, the gNB-DU may store it or update this IE value if already stored, and use it as a human readable name of the gNB-CU and shall ignore the *gNB-CU Name* IE if also included.

If the *Mobile IAB Barred* IE is included in the GNB-CU CONFIGURATION UPDATE message, the gNB-DU shall, if supported, consider it as an indication of whether the cell allows mobile IAB-node access.

If the *On-demand SIB1 Cell* IE is contained in the GNB-CU CONFIGURATION UPDATE message, the gNB-DU shall, if supported, consider to start or stop the on-demand SIB1 operation as indicated by the *On-demand SIB1 indicator* IE for the cell indicated by the *NR CGI* IE.

If the *Predicted CCO Assistance Information* IE is contained in the GNB-CU CONFIGURATION UPDATE message, and the *NR CGI* IE contained in the *Predicted Affected Cells and Beams* IE is served by the gNB-DU, the gNB-DU may use it to determine a future cell and/or beam configuration.

If the *Predicted CCO Assistance Information* IE is contained in the GNB-CU CONFIGURATION UPDATE message and the *NR CGI* IE contained in the *Predicted Affected Cells and Beams* IE is not served by the gNB-DU, the gNB-DU may use it to adjust the coverage of its future cell and/or beam configuration.

If the *Neighbour Future Coverage Modification Notification* IE is contained in the GNB-CU CONFIGURATION UPDATE message, the gNB-DU shall, if supported, take it into account for Coverage and Capacity Optimization.

If the *Predicted CCO Assistance Information* IE is contained in the GNB-CU CONFIGURATION UPDATE message and if the *Predicted CCO Issue* IE is set to “cancel”, the gNB-DU shall discard the *Predicted CCO Assistance Information* IE previously received together with the same list of cell(s) and/or beam(s) included in the *Predicted Affected Cells and Beams* IE, and it should cancel the future coverage states associated to the *Predicted CCO Issue* IE for the same list of cell(s) and optionally beam(s) that have not been applied as specified in TS38.401[4].

If the *Predicted CCO Assistance Information* IE is contained in the GNB-CU CONFIGURATION UPDATE message, the *Predicted CCO Issue* IE is set to “cancel” and the *Neighbour Future Coverage Modification Notification* IE is present, the gNB-DU shall consider it as a notification of cancellation of the future coverage modifications included in the *Neighbour Future Coverage Modification Notification* IE as specified in TS38.401[4].

<<<<<<<<<<<<<<<<<<<< Next change >>>>>>>>>>>>>>>>>>>>

#### 9.2.2.1 UE CONTEXT SETUP REQUEST

This message is sent by the gNB-CU to request the setup of a UE context.

Direction: gNB-CU → gNB-DU.

| IE/Group Name | Presence | Range | IE type and reference | Semantics description | Criticality | Assigned Criticality |
| --- | --- | --- | --- | --- | --- | --- |
| Message Type | M |  | 9.3.1.1 |  | YES | reject |
| gNB-CU UE F1AP ID | M |  | 9.3.1.4 |  | YES | reject |
| gNB-DU UE F1AP ID | O |  | 9.3.1.5 |  | YES | ignore |
| SpCell ID | M |  | NR CGI 9.3.1.12 | Special Cell as defined in TS 38.321 [16]. For handover case, this IE is considered as target cell. | YES | reject |
| ServCellIndex | M |  | INTEGER (0..31,...) |  | YES | reject |
| SpCell UL Configured | O |  | Cell UL Configured  9.3.1.33 |  | YES | ignore |
| CU to DU RRC Information | M |  | 9.3.1.25 |  | YES | reject |
| **Candidate SpCell List** |  | *0..1* |  |  | YES | ignore |
| **>Candidate SpCell Item IEs** |  | *1 .. <maxnoofCandidateSpCells>* |  |  | EACH | ignore |
| >>Candidate SpCell ID | M |  | NR CGI 9.3.1.12 | Special Cell as defined in TS 38.321 [16] | - |  |
| DRX Cycle | O |  | 9.3.1.24 |  | YES | ignore |
| Resource Coordination Transfer Container | O |  | OCTET STRING | Includes the *MeNB Resource Coordination Information* IE as defined in subclause 9.2.116 of TS 36.423 [9] for EN-DC case or *MR-DC Resource Coordination Information* IE as defined in TS 38.423 [28] for NGEN-DC and NE-DC cases. | YES | ignore |
| **SCell To Be Setup List** |  | *0..1* |  |  | YES | ignore |
| **>SCell to Be Setup Item IEs** |  | *1.. <maxnoofSCells>* |  |  | EACH | ignore |
| >>SCell ID | M |  | NR CGI 9.3.1.12 | SCell Identifier in gNB | - |  |
| >>SCellIndex | M |  | INTEGER (1..31, ...) |  | - |  |
| >>SCell UL Configured | O |  | Cell UL Configured  9.3.1.33 |  | - |  |
| >>servingCellMO | O |  | INTEGER (1..64, ...) |  | YES | ignore |
| >>servingCellMO-On-demand | O |  | INTEGER (1..64, ...) |  | YES | ignore |
| **SRB to Be Setup List** |  | *0..1* |  |  | YES | reject |
| **>SRB to Be Setup Item IEs** |  | *1 .. <maxnoofSRBs>* |  |  | EACH | reject |
| >>SRB ID | M |  | 9.3.1.7 |  | - |  |
| >>Duplication Indication | O |  | ENUMERATED (true, ..., false) | If included, it should be set to true.  This IE is ignored if the *Additional Duplication Indication* IE is present. | - |  |
| >>Additional Duplication Indication | O |  | ENUMERATED (three, four, …) |  | YES | ignore |
| >>SDT RLC Bearer Configuration | O |  | OCTET STRING | Includes the *RLC-BearerConfig* IE defined in subclause 6.3.2 of TS 38.331 [8] | YES | ignore |
| >>SRB Mapping Info | O |  | Uu RLC Channel ID 9.3.1.266 | This IE contains the mapped Uu Relay RLC CH ID for the SRB | YES | ignore |
| **DRB to Be Setup List** |  | *0..1* |  |  | YES | reject |
| **>DRB to Be Setup Item IEs** |  | *1 .. <maxnoofDRBs>* |  |  | EACH | reject |
| >>DRB ID | M |  | 9.3.1.8 |  | - |  |
| >>CHOICE *QoS Information* | M |  |  |  | - |  |
| *>>>E-UTRAN QoS* |  |  |  |  |  |  |
| >>>>E-UTRAN QoS | M |  | 9.3.1.19 | Shall be used for EN-DC case to convey E-RAB Level QoS Parameters | - |  |
| *>>>DRB Information* |  |  |  |  |  |  |
| **>>>>DRB Information** |  | *1* |  | Shall be used for NG-RAN cases | YES | ignore |
| >>>>>DRB QoS | M |  | QoS Flow Level QoS Parameters  9.3.1.45 |  | - |  |
| >>>>>S-NSSAI | M |  | 9.3.1.38 |  | - |  |
| >>>>>Notification Control | O |  | 9.3.1.56 |  | - |  |
| **>>>>>Flows Mapped to DRB Item** |  | *1 .. <maxnoofQoSFlows>* |  |  | - |  |
| >>>>>>QoS Flow Identifier | M |  | 9.3.1.63 |  | - |  |
| >>>>>>QoS Flow Level QoS Parameters | M |  | 9.3.1.45 |  | - |  |
| >>>>>>QoS Flow Mapping Indication | O |  | 9.3.1.72 |  | YES | ignore |
| >>>>>>TSC Traffic Characteristics | O |  | 9.3.1.141 | Traffic pattern information associated with the QFI. Details in TS 23.501 [21]. | YES | ignore |
| >>>>ECN Marking or Congestion Information Reporting Request | O |  | 9.3.1.321 |  | YES | ignore |
| >>>>PSI based SDU Discard UL | O |  | ENUMERATED (start, stop, …) | Indicates whether UL PSI based SDU discard is (re)configured or released for the DRB. The codepoint “start” means that UL PSI based discarding is (re)configured, while the codepoint “stop” means that UL PSI based discarding is released. Up to 8 DRBs can be set as “start”. | YES | ignore |
| >>>>PSI based SDU Discard DL | O |  | ENUMERATED (configured, not-configured, …) | Indicates whether DL PSI based SDU discard is configured or not for the DRB. | YES | ignore |
| >>>>UE Performance Delay Monitoring | O |  | 9.3.1.370 | Only the “UL and DL” codepoint value is used for this IE. | YES | ignore |
| **>>UL UP TNL Information to be setup List** |  | *1* |  |  | - |  |
| **>>>UL UP TNL Information to Be Setup Item IEs** |  | *1 .. <maxnoofULUPTNLInformation>* |  |  | - |  |
| >>>>UL UP TNL Information | M |  | UP Transport Layer Information  9.3.2.1 | gNB-CU endpoint of the F1 transport bearer. For delivery of UL PDUs. | - |  |
| >>>>BH Information | O |  | 9.3.1.114 |  | YES | ignore |
| >>>>DRB Mapping Info | O |  | Uu RLC Channel ID 9.3.1.266 | This IE contains the mapped Uu Relay RLC CH ID of the DL tunnel corresponding to such UL tunnel | YES | ignore |
| >>RLC Mode | M |  | 9.3.1.27 |  | - |  |
| >>UL Configuration | O |  | 9.3.1.31 | Information about UL usage in gNB-DU. | - |  |
| >>Duplication Activation | O |  | 9.3.1.36 | Information on the initial state of CA based UL PDCP duplication.  This IE is ignored if the *RLC Duplication Information* IE is present. | - |  |
| >>DC Based Duplication Configured | O |  | ENUMERATED (true, ..., false) | Indication on whether DC based PDCP duplication is configured or not. If included, it should be set to true. This IE is also applicable to multi-path relay. | YES | reject |
| >>DC Based Duplication Activation | O |  | Duplication Activation  9.3.1.36 | Information on the initial state of DC based UL PDCP duplication.  This IE is ignored if the *RLC Duplication Information* IE is present. This IE is also applicable to multi-path relay. | YES | reject |
| >>DL PDCP SN length | M |  | ENUMERATED (12bits, 18bits, ...) |  | YES | ignore |
| >>UL PDCP SN length | O |  | ENUMERATED (12bits, 18bits, ...) |  | YES | ignore |
| **>>Additional PDCP Duplication TNL List** |  | *0..1* |  |  | YES | ignore |
| **>>>Additional PDCP Duplication TNL Items** |  | *1 .. <maxnoofAdditionalPDCPDuplicationTNL>* |  |  | EACH | ignore |
| >>>>Additional PDCP Duplication UP TNL Information | M |  | UP Transport Layer Information  9.3.2.1 | gNB-CU endpoint of the F1 transport bearer. For delivery of UL PDUs. | - |  |
| >>>>BH Information | O |  | 9.3.1.114 |  | YES | ignore |
| >>RLC Duplication Information | O |  | 9.3.1.146 |  | YES | ignore |
| >>SDT RLC Bearer Configuration | O |  | OCTET STRING | RLC-BearerConfig IE defined in subclause 6.3.2 of TS 38.331 [8] | YES | ignore |
| Inactivity Monitoring Request | O |  | ENUMERATED (true, ...) |  | YES | reject |
| RAT-Frequency Priority Information | O |  | 9.3.1.34 |  | YES | reject |
| RRC-Container | O |  | 9.3.1.6 | Includes the *DL-DCCH-Message* message as defined in subclause 6.2 of TS 38.331 [8], encapsulated in a PDCP PDU. | YES | ignore |
| Masked IMEISV | O |  | 9.3.1.55 |  | YES | ignore |
| Serving PLMN | O |  | PLMN Identity  9.3.1.14 | Indicates the PLMN serving the UE. | YES | ignore |
| gNB-DU UE Aggregate Maximum Bit Rate Uplink | C-ifDRBSetup |  | Bit Rate 9.3.1.22 | The gNB-DU UE Aggregate Maximum Bit Rate Uplink is to be enforced by the gNB-DU. | YES | ignore |
| RRC Delivery Status Request | O |  | ENUMERATED (true, …) | Indicates whether RRC DELIVERY REPORT procedure is requested for the RRC message. | YES | ignore |
| Resource Coordination Transfer Information | O |  | 9.3.1.73 |  | YES | ignore |
| servingCellMO | O |  | INTEGER (1..64, ...) |  | YES | ignore |
| New gNB-CU UE F1AP ID | O |  | gNB-CU UE F1AP ID  9.3.1.4 |  | YES | reject |
| RAN UE ID | O |  | OCTET STRING (SIZE (8)) |  | YES | ignore |
| Trace Activation | O |  | 9.3.1.88 |  | YES | ignore |
| Additional RRM Policy Index | O |  | 9.3.1.90 |  | YES | ignore |
| **BH RLC Channel to be Setup List** |  | *0..1* |  |  | YES | reject |
| **>BH RLC Channel to be Setup Item IEs** |  | *1 .. <maxnoofBHRLCChannels>* |  |  | EACH | reject |
| >>BH RLC CH ID | M |  | BH RLC Channel ID  9.3.1.113 |  | - |  |
| >>CHOICE *BH QoS Information* | M |  |  |  |  |  |
| *>>>BH RLC CH QoS* |  |  |  |  |  |  |
| >>>>BH RLC CH QoS | M |  | QoS Flow Level QoS Parameters  9.3.1.45 | Shall be used for SA case. | - |  |
| *>>>E-UTRAN BH RLC CH QoS* |  |  |  |  |  |  |
| >>>>E-UTRAN BH RLC CH QoS | M |  | E-UTRAN QoS  9.3.1.19 | Shall be used for EN-DC case. | - |  |
| *>>>Control Plane Traffic Type* |  |  |  |  |  |  |
| >>>>Control Plane Traffic Type | M |  | 9.3.1.115 |  | - |  |
| >>RLC Mode | M |  | 9.3.1.27 |  | - |  |
| >>BAP Control PDU Channel | O |  | ENUMERATED (true, …) |  | - |  |
| >>Traffic Mapping Information | O |  | 9.3.1.95 |  | - |  |
| Configured BAP Address | O |  | BAP Address  9.3.1.111 | The BAP address configured for the corresponding child IAB-node. | YES | reject |
| NR V2X Services Authorized | O |  | 9.3.1.116 |  | YES | ignore |
| LTE V2X Services Authorized | O |  | 9.3.1.117 |  | YES | ignore |
| NR UE Sidelink Aggregate Maximum Bit Rate | O |  | 9.3.1.119 | This IE applies only if the UE is authorized for NR V2X services. | YES | ignore |
| LTE UE Sidelink Aggregate Maximum Bit Rate | O |  | 9.3.1.118 | This IE applies only if the UE is authorized for LTE V2X services. | YES | ignore |
| PC5 Link Aggregate Bit Rate | O |  | Bit Rate  9.3.1.22 | Only applies for non-GBR and unicast QoS Flows. | YES | ignore |
| **SL DRB to Be Setup List** |  | *0..1* |  |  | YES | reject |
| **>SL DRB to Be Setup Item IEs** |  | *1 .. <maxnoofSLDRBs>* |  |  | EACH | reject |
| >>SL DRB ID | M |  | 9.3.1.120 |  | - |  |
| **>>SL DRB Information** |  | *1* |  |  | - |  |
| *>>>SL DRB QoS* | M |  | PC5 QoS Parameters  9.3.1.122 |  | - |  |
| **>>>Flows Mapped to SL DRB Item** |  | *1 .. <maxnoofPC5QoSFlows>* |  |  | - |  |
| >>>>PC5 QoS Flow Identifier |  |  | 9.3.1.121 |  | - |  |
| >>RLC mode | M |  | 9.3.1.27 |  | - |  |
| >>Duplication Indication | O |  | ENUMERATED (true, ..., false) | If included, it should be set to true. | - |  |
| **Conditional Inter-DU Mobility Information** | O |  |  |  | YES | reject |
| >CHO Trigger | M |  | ENUMERATED (CHO-initiation, CHO-replace, …) |  | - |  |
| >Target gNB-DU UE F1AP ID | C-ifCHOmod |  | gNB-DU UE F1AP ID  9.3.1.5 | Allocated at the target gNB-DU | - |  |
| >Estimated Arrival Probability | O |  | INTEGER (1..100) |  | YES | ignore |
| >S-CPAC Request | O |  | ENUMERATED (initiation, …) | Indicates that SN change is for S-CPAC preparation. | YES | reject |
| >S-CPAC Lower Layer Reference Config Request | O |  | ENUMERATED (true, …) |  | YES | reject |
| Management Based MDT PLMN List | O |  | MDT PLMN List  9.3.1.151 |  | YES | ignore |
| Serving NID | O |  | NID  9.3.1.155 |  | YES | reject |
| F1-C Transfer Path | O |  | 9.3.1.207 |  | YES | reject |
| F1-C Transfer Path NRDC | O |  | 9.3.1.228 |  | YES | reject |
| MDT Polluted Measurement Indicator | O |  | ENUMERATED (IDC,no-IDC, …) | Indication on whether MDT Measurement affect (e.g. IDC) is undertaken or not. | YES | ignore |
| SCG Activation Request | O |  | 9.3.1.233 |  | YES | ignore |
| Old CG-SDT Session Info | O |  | CG-SDT Session Info 9.3.1.261 |  | YES | ignore |
| 5G ProSe Authorized | O |  | 9.3.1.268 |  | YES | ignore |
| 5G ProSe UE PC5 Aggregate Maximum Bit Rate | O |  | NR UE Sidelink Aggregate Maximum Bit Rate  9.3.1.119 | This IE applies only if the UE is authorized for 5G ProSe services. | YES | ignore |
| 5G ProSe PC5 Link Aggregate Bit Rate | O |  | Bit Rate  9.3.1.22 | This IE applies only if the UE is authorized for 5G ProSe services, and only applies for non-GBR and unicast QoS Flows. | YES | ignore |
| **Uu RLC Channel to Be Setup List** |  | *0..1* |  | This IE is not used in this version of the specification. | YES | reject |
| **>Uu RLC Channel to be Setup Item IEs** |  | *1 .. <maxnoofUuRLCChannels>* |  |  | - |  |
| >>Uu RLC Channel ID | M |  | 9.3.1.266 |  | - |  |
| >>CHOICE *Uu RLC Channel QoS Information* | M |  |  |  | - |  |
| *>>>Uu RLC Channel QoS* |  |  |  |  |  |  |
| >>>>Uu RLC Channel QoS | M |  | QoS Flow Level QoS Parameters  9.3.1.45 |  | - |  |
| *>>>Uu Control Plane Traffic Type* |  |  |  |  |  |  |
| >>>>Uu Control Plane Traffic Type | M |  | ENUMERATED(SRB0, SRB1, SRB2, …) | This IE indicates the type of SRB conveyed via the Uu Relay RLC Channel. | - |  |
| >>RLC Mode | M |  | 9.3.1.27 |  | - |  |
| **PC5 RLC Channel to Be Setup List** |  | *0..1* |  |  | YES | reject |
| **>PC5 RLC Channel to be Setup Item IEs** |  | *1 .. <maxnoofPC5RLCChannels>* |  |  | - |  |
| >>PC5 RLC Channel ID | M |  | 9.3.1.265 |  | - |  |
| >>Remote UE Local ID | O |  | 9.3.1.267 | This IE is not used in this version of the specification. | - |  |
| >>CHOICE *PC5 RLC Channel QoS Information* | M |  |  |  | - |  |
| *>>>PC5 RLC Channel QoS* |  |  |  |  |  |  |
| >>>>PC5 RLC Channel QoS | M |  | QoS Flow Level QoS Parameters  9.3.1.45 |  | - |  |
| *>>>PC5 Control Plane Traffic Type* |  |  |  |  |  |  |
| >>>>PC5 Control Plane Traffic Type | M |  | ENUMERATED(SRB1, SRB2, …, SRB0) | This IE indicates the type of SRB conveyed via the PC5 Relay RLC Channel. This version of the specification does not use SRB0. | - |  |
| *>>>U2U RLC Channel QoS* |  |  |  |  | YES | reject |
| >>>>U2U RLC Channel QoS | M |  | PC5 QoS Parameters  9.3.1.122 |  | - |  |
| >>RLC Mode | M |  | 9.3.1.27 |  | - |  |
| >>Peer UE ID | O |  | BIT STRING (SIZE(24)) | Corresponds to information provided in the *sl-DestinationIdentityL2-U2U* contained in the *SL-TxResourceReqL2-U2U* IE, defined in TS 38.331 [8].  This IE is included if the gNB-CU UE F1AP ID and/or gNB-DU UE F1AP ID are associated with a L2 U2U Remote UE or L2 U2U Relay UE. | YES | reject |
| Path Switch Configuration | O |  | 9.3.1.263 |  | YES | ignore |
| gNB-DU UE Slice Maximum Bit Rate List | O |  | 9.3.1.271 | The Slice Maximum Bit Rate List is the maximum aggregate UL bit rate per slice, to be enforced by the gNB-DU, if feasible. This IE is ignored if the *DRB to Be Setup List* IE is not present. | YES | ignore |
| Multicast MBS Session Setup List | O |  | Multicast MBS Session List 9.3.1.272 | The list of MBS Session ID that UE has joined. | YES | reject |
| **UE Multicast MRB to Be Setup List** |  | *0..1* |  |  | YES | reject |
| **>UE Multicast MRB to Be Setup Item IEs** |  | *1 .. <maxnoofMRBsforUE>* |  |  | EACH | reject |
| >>MRB ID | M |  | 9.3.1.224 | MRB ID for the UE. | - |  |
| >>MBS PTP Retransmission Tunnel Required | O |  | 9.3.2.10 |  | - |  |
| >>MBS PTP Forwarding Tunnel Required Information | O |  | MRB Progress Information 9.3.2.12 |  | - |  |
| >>Source MRB ID | O |  | MRB ID  9.3.1.224 | In case of inter-DU handover, indicates the MRB ID provided to the UE in the source cell. | YES | ignore |
| **ServingCellMO List** |  | *0..1* |  | For NCD-SSBs | YES | ignore |
| **>ServingCellMO Item IEs** |  | *1 .. <maxnoofServingCellMOs>* |  |  | EACH | ignore |
| >>servingCellMO | M |  | INTEGER (1..64, ...) |  | - |  |
| >>SSB frequency | M |  | INTEGER (0..3279165) | ARFCN | - |  |
| Network Controlled Repeater Authorized | O |  | 9.3.1.288 |  | YES | ignore |
| SDT Volume Threshold | O |  | INTEGER(1.. 192000,...) | Unit: byte. | YES | ignore |
| **LTM Information Setup** |  | *0..1* |  |  | YES | reject |
| >LTM Indicator | M |  | ENUMERATED (true, …) |  | - |  |
| >Reference Configuration | O |  | 9.3.1.292 |  | - |  |
| >CSI Resource Configuration | O |  | 9.3.1.330 |  | - |  |
| >Request for CSI-RS Resource Configuration for L1 measurements | O |  | ENUMERATED (true, …) |  | YES | reject |
| >Request for CSI-RS Resource Configuration for CSI acquisition | O |  | ENUMERATED (true, …) |  | YES | reject |
| >Request for L1 Execution Condition | O |  | 9.3.1.361 |  | YES | reject |
| LTM Configuration ID Mapping List | O |  | 9.3.1.294 |  | YES | reject |
| **Early Sync Information Request** |  | *0..1* |  |  | YES | ignore |
| >Request for RACH Configuration | M |  | ENUMERATED (true, …) |  | - |  |
| **>LTM gNB-DUs List** |  | *1* |  | This IE contains the IDs of the source gNB-DU and candidate gNB-DU(s). | YES | reject |
| **>>LTM gNB-DUs Item IEs** |  | *1..< maxnoofLTMgNB-DUs>* |  |  | - |  |
| >>>LTM gNB-DU ID | M |  | gNB-DU ID  9.3.1.9 |  | - |  |
| >>>LTM gNB ID | O |  | Global gNB ID 9.3.1.305 |  | YES | reject |
| Path Addition Information | O |  | 9.3.1.296 |  | YES | reject |
| NR A2X Services Authorized | O |  | 9.3.1.323 |  | YES | ignore |
| LTE A2X Services Authorized | O |  | 9.3.1.324 |  | YES | ignore |
| NR UE Sidelink Aggregate Maximum Bit Rate for A2X | O |  | NR UE Sidelink Aggregate Maximum Bit Rate  9.3.1.119 | This IE applies only if the UE is authorized for NR A2X services. | YES | ignore |
| LTE UE Sidelink Aggregate Maximum Bit Rate for A2X | O |  | LTE UE Sidelink Aggregate Maximum Bit Rate  9.3.1.118 | This IE applies only if the UE is authorized for LTE A2X services. | YES | ignore |
| DL LBT Failure Information Request | O |  | ENUMERATED (inquiry, …) |  | YES | ignore |
| Ranging and Sidelink Positioning Service Information | O |  | 9.3.1.331 | This IE applies only if the UE is authorized for NR V2X services and/or 5G ProSe services. | YES | ignore |
| Non-Integer DRX Cycle | O |  | 9.3.1.344 |  | YES | ignore |
| **LTM Information SN Addition** |  | *0..1* |  |  | YES | reject |
| >LTM with SCG Indicator | M |  | ENUMERATED(true, …) |  | – |  |

<<<<<<<<<<<<<<<<<<<< Next change >>>>>>>>>>>>>>>>>>>>

#### 9.2.2.7 UE CONTEXT MODIFICATION REQUEST

This message is sent by the gNB-CU to provide UE Context information changes to the gNB-DU.

Direction: gNB-CU → gNB-DU

| IE/Group Name | Presence | Range | IE type and reference | Semantics description | Criticality | Assigned Criticality |
| --- | --- | --- | --- | --- | --- | --- |
| Message Type | M |  | 9.3.1.1 |  | YES | reject |
| gNB-CU UE F1AP ID | M |  | 9.3.1.4 |  | YES | reject |
| gNB-DU UE F1AP ID | M |  | 9.3.1.5 |  | YES | reject |
| SpCell ID | O |  | NR CGI 9.3.1.12 | Special Cell as defined in TS 38.321 [16]. For handover case, this IE is considered as target cell. | YES | ignore |
| ServCellIndex | O |  | INTEGER (0..31, ...) |  | YES | reject |
| SpCell UL Configured | O |  | Cell UL Configured  9.3.1.33 |  | YES | ignore |
| DRX Cycle | O |  | 9.3.1.24 |  | YES | ignore |
| CU to DU RRC Information | O |  | 9.3.1.25 |  | YES | reject |
| Transmission Action Indicator | O |  | 9.3.1.11 |  | YES | ignore |
| Resource Coordination Transfer Container | O |  | OCTET STRING | Includes the *MeNB Resource Coordination Information* IE as defined in subclause 9.2.116 of TS 36.423 [9] for EN-DC case or *MR-DC Resource Coordination Information* IE as defined in TS 38.423 [28] for NGEN-DC and NE-DC cases. | YES | ignore |
| RRC Reconfiguration Complete Indicator | O |  | 9.3.1.30 |  | YES | ignore |
| RRC-Container | O |  | 9.3.1.6 | Includes the *DL-DCCH-Message* message as defined in subclause 6.2 of TS 38.331 [8], encapsulated in a PDCP PDU. | YES | reject |
| **SCell To Be Setup List** |  | *0..1* |  |  | YES | ignore |
| **>SCell to Be Setup Item IEs** |  | *1.. <maxnoofSCells>* |  |  | EACH | ignore |
| >>SCell ID | M |  | NR CGI 9.3.1.12 | SCell Identifier in gNB | - |  |
| >>SCellIndex | M |  | INTEGER (1..31, ...) |  | - |  |
| >>SCell UL Configured | O |  | Cell UL Configured  9.3.1.33 |  | - |  |
| >>servingCellMO | O |  | INTEGER (1..64, ...) |  | YES | ignore |
| >>servingCellMO-On-demand | O |  | INTEGER (1..64, ...) |  | YES | ignore |
| **SCell To Be Removed List** |  | *0..1* |  |  | YES | ignore |
| **>SCell to Be Removed Item IEs** |  | *1 .. <maxnoofSCells>* |  |  | EACH | ignore |
| >>SCell ID | M |  | NR CGI 9.3.1.12 | SCell Identifier in gNB | - |  |
| **SRB to Be Setup List** |  | *0..1* |  |  | YES | reject |
| **>SRB to Be Setup Item IEs** |  | *1..<maxnoofSRBs>* |  |  | EACH | reject |
| >>SRB ID | M |  | 9.3.1.7 |  | - |  |
| >>Duplication Indication | O |  | ENUMERATED (true, ..., false) | This IE is ignored if the *Additional Duplication Indication* IE is present. | - |  |
| >>Additional Duplication Indication | O |  | ENUMERATED (three, four, …) |  | YES | ignore |
| >>SRB Mapping Info | O |  | Uu RLC Channel ID 9.3.1.266 | This IE contains the mapped Uu Relay RLC CH ID for the SRB | YES | ignore |
| >>SDT Indicator Setup | O |  | ENUMERATED (true, …) | Indicates SDT SRB. | YES | reject |
| **DRB to Be Setup List** |  | *0..1* |  |  | YES | reject |
| **>DRB to Be Setup Item IEs** |  | *1 .. <maxnoofDRBs>* |  |  | EACH | reject |
| >>DRB ID | M |  | 9.3.1.8 |  | - |  |
| >>CHOICE QoS Information | M |  |  |  | - |  |
| *>>>E-UTRAN QoS* |  |  |  |  |  |  |
| >>>>E-UTRAN QoS | M |  | 9.3.1.19 | Shall be used for EN-DC case to convey E-RAB Level QoS Parameters |  |  |
| *>>>DRB Information* |  |  |  |  |  |  |
| **>>>>DRB Information** |  | *1* |  | Shall be used for NG-RAN cases | YES | ignore |
| >>>>>DRB QoS | M |  | QoS Flow Level QoS Parameters  9.3.1.45 |  | - |  |
| >>>>>S-NSSAI | M |  | 9.3.1.38 |  | - |  |
| >>>>>Notification Control | O |  | 9.3.1.56 |  | - |  |
| **>>>>>Flows Mapped to DRB Item** |  | *1 .. <maxnoofQoSFlows>* |  |  | - |  |
| >>>>>>QoS Flow Identifier | M |  | 9.3.1.63 |  | - |  |
| >>>>>>QoS Flow Level QoS Parameters | M |  | 9.3.1.45 |  | - |  |
| >>>>>>QoS Flow Mapping Indication | O |  | 9.3.1.72 |  | YES | ignore |
| >>>>>>TSC Traffic Characteristics | O |  | 9.3.1.141 | Traffic pattern information associated with the QFI. Details in TS 23.501 [21]. | YES | ignore |
| >>>>ECN Marking or Congestion Information Reporting Request | O |  | 9.3.1.321 |  | YES | ignore |
| >>>>PSI based SDU Discard UL | O |  | ENUMERATED (start, stop, …) | Indicates whether UL PSI based SDU discard is (re)configured or released for the DRB. The codepoint “start” means that UL PSI based discarding is (re)configured, while the codepoint “stop” means that UL PSI based discarding is released. Up to 8 DRBs can be set as “start”. | YES | ignore |
| >>>>PSI based SDU Discard DL | O |  | ENUMERATED (configured, not-configured, …) | Indicates whether DL PSI based SDU discard is configured or not for the DRB. | YES | ignore |
| >>>>UE Performance Delay Monitoring | O |  | 9.3.1.370 | Only the “UL and DL” codepoint value is used for this IE. | YES | ignore |
| **>>UL UP TNL Information to be setup List** |  | *1* |  |  | - |  |
| **>>>UL UP TNL Information to Be Setup Item IEs** |  | *1 .. <maxnoofULUPTNLInformation>* |  |  | - |  |
| >>>>UL UP TNL Information | M |  | UP Transport Layer Information  9.3.2.1 | gNB-CU endpoint of the F1 transport bearer. For delivery of UL PDUs. | - |  |
| >>>>BH Information | O |  | 9.3.1.114 |  | YES | ignore |
| >>>>DRB Mapping Info | O |  | Uu RLC Channel ID 9.3.1.266 | This IE contains the mapped Uu Relay RLC CH ID of the DL tunnel corresponding to such UL tunnel | YES | ignore |
| >>RLC Mode | M |  | 9.3.1.27 |  | - |  |
| >>UL Configuration | O |  | 9.3.1.31 | Information about UL usage in gNB-DU. | - |  |
| >>Duplication Activation | O |  | 9.3.1.36 | Information on the initial state of CA based or multi-path relay based UL PDCP duplication.  This IE is ignored if the *RLC Duplication Information* IE is present. | - |  |
| >>DC Based Duplication Configured | O |  | ENUMERATED (true, ..., false) | Indication on whether DC based PDCP duplication is configured or not. If included, it should be set to true. This IE is also applicable to multi-path relay. | YES | reject |
| >>DC Based Duplication Activation | O |  | Duplication Activation  9.3.1.36 | Information on the initial state of DC based UL PDCP duplication.  This IE is ignored if the *RLC Duplication Information* IE is present. This IE is also applicable to multi-path relay. | YES | reject |
| >>DL PDCP SN length | O |  | ENUMERATED (12bits, 18bits, ...) |  | YES | ignore |
| >>UL PDCP SN length | O |  | ENUMERATED (12bits, 18bits, ...) |  | YES | ignore |
| **>>Additional PDCP Duplication TNL List** |  | *0..1* |  |  | YES | ignore |
| **>>>Additional PDCP Duplication TNL Items** |  | *1 .. < maxnoofAdditionalPDCPDuplicationTNL>* |  |  | EACH | ignore |
| >>>>Additional PDCP Duplication UP TNL Information | M |  | UP Transport Layer Information  9.3.2.1 | gNB-CU endpoint of the F1 transport bearer. For delivery of UL PDUs. | - |  |
| >>>>BH Information | O |  | 9.3.1.114 |  | YES | ignore |
| >>RLC Duplication Information | O |  | 9.3.1.146 |  | YES | ignore |
| >>SDT Indicator Setup | O |  | ENUMERATED (true, …) | Indicates SDT DRB. | YES | reject |
| **DRB to Be Modified List** |  | *0..1* |  |  | YES | reject |
| **>DRB to Be Modified Item IEs** |  | *1 .. <maxnoofDRBs>* |  |  | EACH | reject |
| >>DRB ID | M |  | 9.3.1.8 |  | - |  |
| >>CHOICE *QoS Information* | O |  |  |  | - |  |
| *>>>E-UTRAN QoS* |  |  |  |  |  |  |
| >>>>E-UTRAN QoS | M |  | 9.3.1.19 | Used for EN-DC case to convey E-RAB Level QoS Parameters | - |  |
| *>>>DRB Information* |  |  |  |  |  |  |
| **>>>>DRB Information** |  | *1* |  | Used for NG-RAN cases | YES | ignore |
| >>>>>DRB QoS | M |  | QoS Flow Level QoS Parameters  9.3.1.45 |  | - |  |
| >>>>>S-NSSAI | M |  | 9.3.1.38 |  | - |  |
| >>>>>Notification Control | O |  | 9.3.1.56 |  | - |  |
| **>>>>>Flows Mapped to DRB Item** |  | *1 .. <maxnoofQoSFlows>* |  |  | - |  |
| >>>>>>QoS Flow Identifier | M |  | 9.3.1.63 |  | - |  |
| >>>>>>QoS Flow Level QoS Parameters | M |  | 9.3.1.45 |  | - |  |
| >>>>>>QoS Flow Mapping Indication | O |  | 9.3.1.72 |  | YES | ignore |
| >>>>>>TSC Traffic Characteristics | O |  | 9.3.1.141 | Traffic pattern information associated with the QFI. Details in TS 23.501 [21]. | YES | ignore |
| >>>>ECN Marking or Congestion Information Reporting Request | O |  | 9.3.1.321 |  | YES | ignore |
| >>>>PSI based SDU Discard UL | O |  | ENUMERATED (start, stop, …) | Indicates whether UL PSI based SDU discard is (re)configured or released for the DRB. The codepoint “start” means that UL PSI based discarding is (re)configured, while the codepoint “stop” means that UL PSI based discarding is released. Up to 8 DRBs can be set as “start”. | YES | ignore |
| >>>>UE Performance Delay Monitoring | O |  | 9.3.1.370 |  | YES | ignore |
| **>>UL UP TNL Information to be setup List** |  | *1* |  |  | - |  |
| **>>>UL UP TNL Information to Be Setup Item IEs** |  | *1 .. <maxnoofULUPTNLInformation>* |  |  | - |  |
| >>>>UL UP TNL Information | M |  | UP Transport Layer Information  9.3.2.1 | gNB-CU endpoint of the F1 transport bearer. For delivery of UL PDUs. | - |  |
| >>>>BH Information | O |  | 9.3.1.114 |  | YES | ignore |
| >>>>DRB Mapping Info | O |  | Uu RLC Channel ID 9.3.1.266 |  | YES | ignore |
| >>UL Configuration | O |  | 9.3.1.31 | Information about UL usage in gNB-DU. | - |  |
| >>DL PDCP SN length | O |  | ENUMERATED(12bits,18bits, ...) |  | YES | ignore |
| >>UL PDCP SN length | O |  | ENUMERATED (12bits, 18bits, ...) |  | YES | ignore |
| >>Bearer Type Change | O |  | ENUMERATED (true, …) |  | YES | ignore |
| >>RLC Mode | O |  | 9.3.1.27 |  | YES | ignore |
| >>Duplication Activation | O |  | 9.3.1.36 | Information on the initial state of CA based or multi-path relay based UL PDCP duplication.  This IE is ignored if the *RLC Duplication Information* IE is present. | YES | reject |
| >>DC Based Duplication Configured | O |  | ENUMERATED (true, …, false) | Indication on whether DC based PDCP duplication is configured or not. This IE is also applicable to multi-path relay. | YES | reject |
| >>DC Based Duplication Activation | O |  | Duplication activation  9.3.1.36 | Information on the initial state of DC based UL PDCP duplication.  This IE is ignored if the *RLC Duplication Information* IE is present. This IE is also applicable to multi-path relay. | YES | reject |
| **>>Additional PDCP Duplication TNL List** |  | *0..1* |  |  | YES | ignore |
| **>>>Additional PDCP Duplication TNL Items** |  | *1 .. <maxnoofAdditionalPDCPDuplicationTNL>* |  |  | EACH | ignore |
| >>>>Additional PDCP Duplication UP TNL Information | M |  | UP Transport Layer Information  9.3.2.1 | gNB-CU endpoint of the F1 transport bearer. For delivery of UL PDUs. | - |  |
| >>>>BH Information | O |  | 9.3.1.114 |  | YES | ignore |
| >>RLC Duplication Information | O |  | 9.3.1.146 |  | YES | ignore |
| >>Transmission Stop Indicator | O |  | 9.3.1.209 |  | YES | ignore |
| >>SDT Indicator Modify | O |  | ENUMTERATED (true, false, …) | Indicates SDT DRB or not. | YES | reject |
| **SRB To Be Released List** |  | *0..1* |  |  | YES | reject |
| **>SRB To Be Released Item IEs** |  | *1.. <maxnoofSRBs>* |  |  | EACH | reject |
| >>SRB ID | M |  | 9.3.1.7 |  | - |  |
| **DRB to Be Released List** |  | *0..1* |  |  | YES | reject |
| **>DRB to Be Released Item IEs** |  | *1 .. <maxnoofDRBs>* |  |  | EACH | reject |
| >>DRB ID | M |  | 9.3.1.8 |  | - |  |
| Inactivity Monitoring Request | O |  | ENUMERATED (true, ...) |  | YES | reject |
| RAT-Frequency Priority Information | O |  | 9.3.1.34 |  | YES | reject |
| DRX configuration indicator | O |  | ENUMERATED(release,...) |  | YES | ignore |
| RLC Failure Indication | O |  | 9.3.1.66 |  | YES | ignore |
| Uplink TxDirectCurrentList Information | O |  | 9.3.1.67 |  | YES | ignore |
| GNB-DU Configuration Query | O |  | ENUMERATED (true, ...) | Used to request the gNB-DU to provide its configuration. | YES | reject |
| gNB-DU UE Aggregate Maximum Bit Rate Uplink | O |  | Bit Rate 9.3.1.22 | The gNB-DU UE Aggregate Maximum Bit Rate Uplink is to be enforced by the gNB-DU. | YES | ignore |
| Execute Duplication | O |  | ENUMERATED (true, ...) | This IE may be sent only if duplication has been configured for the UE. | YES | ignore |
| RRC Delivery Status Request | O |  | ENUMERATED (true, …) | Indicates whether RRC DELIVERY REPORT procedure is requested for the RRC message. | YES | ignore |
| Resource Coordination Transfer Information | O |  | 9.3.1.73 |  | YES | ignore |
| servingCellMO | O |  | INTEGER (1..64, ...) |  | YES | ignore |
| Need for Gap | O |  | ENUMERATED (true, …) | Indicate gap for SeNB configured measurement is requested.It only applied to NE DC scenario. | YES | ignore |
| Full Configuration | O |  | ENUMERATED (full, ...) |  | YES | reject |
| Additional RRM Policy Index | O |  | 9.3.1.90 |  | YES | ignore |
| Lower Layer Presence Status Change | O |  | 9.3.1.94 |  | YES | ignore |
| **BH RLC Channel to be Setup List** |  | *0..1* |  |  | YES | reject |
| **>BH RLC Channel to be Setup Item IEs** |  | *1 .. <maxnoofBHRLCChannels>* |  |  | EACH | reject |
| >>BH RLC CH ID | M |  | BH RLC Channel ID  9.3.1.113 |  | - |  |
| >>CHOICE *BH QoS information* | M |  |  |  |  |  |
| *>>>BH RLC CH QoS* |  |  |  |  |  |  |
| >>>>BH RLC CH QoS | M |  | QoS Flow Level QoS Parameters  9.3.1.45 | Shall be used for SA case. |  |  |
| *>>>E-UTRAN BH RLC CH QoS* |  |  |  |  |  |  |
| >>>>E-UTRAN BH RLC CH QoS | M |  | E-UTRAN QoS  9.3.1.19 | Shall be used for EN-DC case. |  |  |
| *>>>Control Plane Traffic Type* |  |  |  |  |  |  |
| >>>>Control Plane Traffic Type | M |  | 9.3.1.115 |  |  |  |
| >>RLC Mode | M |  | 9.3.1.27 |  | - |  |
| >>BAP Control PDU Channel | O |  | ENUMERATED (true, …) |  | - |  |
| >>Traffic Mapping Information | O |  | 9.3.1.95 |  | - |  |
| **BH RLC Channel to be Modified List** |  | *0..1* |  |  | YES | reject |
| **>BH RLC Channel to be Modified Item IEs** |  | *1 .. <maxnoofBHRLCChannels>* |  |  | EACH | reject |
| >>BH RLC CH ID | M |  | BH RLC Channel ID  9.3.1.113 |  | - |  |
| >>CHOICE *BH QoS information* | O |  |  |  |  |  |
| *>>>BH RLC CH QoS* |  |  |  |  |  |  |
| >>>>BH RLC CH QoS | M |  | QoS Flow Level QoS Parameters  9.3.1.45 | Shall be used for SA case. | - |  |
| *>>>E-UTRAN BH RLC CH QoS* |  |  |  |  |  |  |
| >>>>E-UTRAN BH RLC CH QoS | M |  | E-UTRAN QoS  9.3.1.19 | Shall be used for EN-DC case. | - |  |
| *>>>Control Plane Traffic Type* |  |  |  |  |  |  |
| >>>>Control Plane Traffic Type | M |  | 9.3.1.115 |  | - |  |
| >>RLC Mode | O |  | 9.3.1.27 |  | - |  |
| >>BAP Control PDU Channel | O |  | ENUMERATED (true, …) |  | - |  |
| >>Traffic Mapping Information | O |  | 9.3.1.95 |  | - |  |
| **BH RLC Channel to be Released List** |  | *0..1* |  |  | YES | reject |
| **>BH RLC Channel to be Released Item IEs** |  | *1 .. <maxnoofBHRLCChannels >* |  |  | EACH | reject |
| >>BH RLC CH ID | M |  | BH RLC Channel ID  9.3.1.113 |  | - |  |
| NR V2X Services Authorized | O |  | 9.3.1.116 |  | YES | ignore |
| LTE V2X Services Authorized | O |  | 9.3.1.117 |  | YES | ignore |
| NR UE Sidelink Aggregate Maximum Bit Rate | O |  | 9.3.1.119 | This IE applies only if the UE is authorized for NR V2X services. | YES | ignore |
| LTE UE Sidelink Aggregate Maximum Bit Rate | O |  | 9.3.1.118 | This IE applies only if the UE is authorized for LTE V2X services. | YES | ignore |
| PC5 Link Aggregate Bit Rate | O |  | Bit Rate  9.3.1.22 | Only applies for non-GBR and unicast QoS Flows. | YES | ignore |
| **SL DRB to Be Setup List** |  | *0..1* |  |  | YES | reject |
| **>SL DRB to Be Setup Item IEs** |  | *1 .. <maxnoofSLDRBs>* |  |  | EACH | reject |
| >>SL DRB ID | M |  | 9.3.1.120 |  | - |  |
| **>>SL DRB Information** |  | *1* |  |  | - |  |
| >>>SL DRB QoS | M |  | PC5 QoS Parameters  9.3.1.122 |  | - |  |
| **>>>Flows Mapped to SL DRB Item** |  | *1 .. <maxnoofPC5QoSFlows>* |  |  | - |  |
| >>>>PC5 QoS Flow Identifier | M |  | 9.3.1.121 |  | - |  |
| >>RLC mode | O |  | 9.3.1.27 |  | - |  |
| >>Duplication Indication | O |  | ENUMERATED (true, ..., false) | If included, it should be set to true. | - |  |
| **SL DRB to Be Modified List** |  | *0..1* |  |  | YES | reject |
| **>SL DRB to Be Modified Item IEs** |  | *1 .. <maxnoofSLDRBs>* |  |  | EACH | reject |
| >>SL DRB ID | M |  | 9.3.1.120 |  | - |  |
| **>>SL DRB Information** |  | *1* |  |  | - |  |
| >>>SL DRB QoS | M |  | PC5 QoS Parameters  9.3.1.122 |  | - |  |
| **>>>Flows Mapped to SL DRB Item** |  | *1 .. <maxnoofPC5QoSFlows>* |  |  | - |  |
| >>>>PC5 QoS Flow Identifier | M |  | 9.3.1.121 |  | - |  |
| >>RLC mode | O |  | 9.3.1.27 |  | - |  |
| >>Duplication Indication | O |  | ENUMERATED (true, ..., false) |  | - |  |
| **SL DRB to Be Released List** |  | *0..1* |  |  | YES | reject |
| **>SL DRB to Be Released Item IEs** |  | *1 .. <maxnoofSLDRBs>* |  |  | EACH | reject |
| >>SL DRB ID | M |  | 9.3.1.120 |  | - |  |
| **Conditional Intra-DU Mobility Information** | O |  |  |  | YES | reject |
| >CHO Trigger | M |  | ENUMERATED (CHO-initiation, CHO-replace, CHO-cancel, …) |  | - | - |
| **>****Candidate Cells To Be Cancelled List** | C-ifCHOcancel | *0 .. <maxnoofCellsinCHO>* |  |  | - | - |
| >>Target Cell ID | M |  | NR CGI 9.3.1.12 |  | - | - |
| >Estimated Arrival Probability | O |  | INTEGER (1..100) |  | YES | ignore |
| >S-CPAC Request | O |  | ENUMERATED (initiation, …) | Indicates that SN change is for S-CPAC preparation. | YES | reject |
| >S-CPAC Lower Layer Reference Config Request | O |  | ENUMERATED (true, …) |  | YES | reject |
| F1-C Transfer Path | O |  | 9.3.1.207 |  | YES | reject |
| SCG Indicator | O |  | ENUMERATED(released,...) | This IE is used at the MN in NR-DC and NE-DC and it indicates the release of an SCG | YES | ignore |
| Uplink TxDirectCurrentTwoCarrierList Information | O |  | 9.3.1.283 |  | YES | ignore |
| IAB Conditional RRC Message Delivery Indication | O |  | ENUMERATED (true, …) | Indicates whether the RRC message within should be withheld. This IE is only applicable if the UE is an IAB-MT, and the gNB-DU is an IAB-DU. | YES | reject |
| F1-C Transfer Path NRDC | O |  | 9.3.1.228 | This IE is only applicable if the UE is an IAB-MT. | YES | reject |
| MDT Polluted Measurement Indicator | O |  | ENUMERATED (IDC,no-IDC, …) | Indication on whether MDT Measurement affect (e.g. IDC) is undertaken or not. | YES | ignore |
| SCG Activation Request | O |  | 9.3.1.233 |  | YES | ignore |
| CG-SDT Query Indication | O |  | ENUMERATED (true, ...) |  | YES | ignore |
| 5G ProSe Authorized | O |  | 9.3.1.268 |  | YES | ignore |
| 5G ProSe UE PC5 Aggregate Maximum Bit Rate | O |  | NR UE Sidelink Aggregate Maximum Bit Rate  9.3.1.119 | This IE applies only if the UE is authorized for 5G ProSe services. | YES | ignore |
| 5G ProSe PC5 Link Aggregate Bit Rate | O |  | Bit Rate  9.3.1.22 | This IE applies only if the UE is authorized for 5G ProSe services, and only applies for non-GBR and unicast QoS Flows. | YES | ignore |
| Updated Remote UE Local ID | O |  | Remote UE Local ID 9.3.1.267 | This IE indicates the updated Remote UE Local ID for the U2N Remote UE associated with the F1AP-IDs | YES | ignore |
| **Uu RLC Channel to Be Setup List** |  | *0..1* |  |  | YES | reject |
| **>Uu RLC Channel to be Setup Item IEs** |  | *1 .. <maxnoofUuRLCChannels>* |  |  | - |  |
| >>Uu RLC Channel ID | M |  | 9.3.1.266 |  | - |  |
| >>CHOICE *Uu RLC Channel QoS Information* | M |  |  |  | - |  |
| *>>>Uu RLC Channel QoS* |  |  |  |  |  |  |
| >>>>Uu RLC Channel QoS | M |  | QoS Flow Level QoS Parameters  9.3.1.45 |  | - |  |
| *>>>Uu Control Plane Traffic Type* |  |  |  |  |  |  |
| >>>>Uu Control Plane Traffic Type | M |  | ENUMERATED(SRB0, SRB1, SRB2, …) | This IE indicates the type of SRB conveyed via the Uu Relay RLC Channel. | - |  |
| >>RLC Mode | M |  | 9.3.1.27 |  | - |  |
| **Uu RLC Channel to Be Modified List** |  | *0..1* |  |  | YES | reject |
| **>Uu RLC Channel to be Modified Item IEs** |  | *1 .. <maxnoofUuRLCChannels>* |  |  | - |  |
| >>Uu RLC Channel ID | M |  | 9.3.1.266 |  | - |  |
| >>CHOICE *Uu RLC Channel QoS Information* | O |  |  |  | - |  |
| *>>>Uu RLC Channel QoS* |  |  |  |  |  |  |
| >>>>Uu RLC Channel QoS | M |  | QoS Flow Level QoS Parameters  9.3.1.45 |  | - |  |
| *>>>Uu Control Plane Traffic Type* |  |  |  |  |  |  |
| >>>>Uu Control Plane Traffic Type | M |  | ENUMERATED(SRB0, SRB1, SRB2, …) | This IE indicates the type of SRB conveyed via the Uu Relay RLC Channel. | - |  |
| >>RLC Mode | O |  | 9.3.1.27 |  | - |  |
| **Uu RLC Channel to Be Released List** |  | *0..1* |  |  | YES | reject |
| **>Uu RLC Channel to Be Released Item IEs** |  | *1 .. <maxnoofUuRLCChannels>* |  |  | - |  |
| >>Uu RLC channel ID | M |  | 9.3.1.266 |  | - |  |
| **PC5 RLC Channel to Be Setup List** |  | *0..1* |  |  | YES | reject |
| **>PC5 RLC Channel to be Setup Item IEs** |  | *1 .. <maxnoofPC5RLCChannels>* |  |  | - |  |
| >>PC5 RLC Channel ID | M |  | 9.3.1.265 |  | - |  |
| >>Remote UE Local ID | O |  | 9.3.1.267 |  | - |  |
| >>CHOICE *PC5 RLC Channel QoS Information* | M |  |  |  | - |  |
| *>>>PC5 RLC Channel QoS* |  |  |  |  |  |  |
| >>>>PC5 RLC Channel QoS | M |  | QoS Flow Level QoS Parameters  9.3.1.45 |  | - |  |
| *>>>PC5 Control Plane Traffic Type* |  |  |  |  |  |  |
| >>>>PC5 Control Plane Traffic Type | M |  | ENUMERATED(SRB1, SRB2, …, SRB0) | This IE indicates the type of SRB conveyed via the PC5 Relay RLC Channel. | - |  |
| *>>>U2U RLC Channel QoS* |  |  |  |  | YES | reject |
| >>>>U2U RLC Channel QoS | M |  | PC5 QoS Parameters  9.3.1.122 |  | - |  |
| >>RLC Mode | M |  | 9.3.1.27 |  | - |  |
| >>Peer UE ID | O |  | BIT STRING (SIZE(24)) | Corresponds to information provided in the *sl-DestinationIdentityL2-U2U* contained in the *SL-TxResourceReqL2-U2U* IE, defined in TS 38.331 [8], or corresponds to the L2 ID of the parent UE or child UE in Multi-hop relay communication.  This IE is included if the gNB-CU UE F1AP ID and/or gNB-DU UE F1AP ID are associated with a L2 U2U Remote UE or L2 U2U Relay UE in U2U relay communication, or L2 U2N Relay UE in Multi-hop relay communication. | YES | reject |
| **PC5 RLC Channel to Be Modified List** |  | *0..1* |  |  | YES | reject |
| **>PC5 RLC Channel to be Modified Item IEs** |  | *1 .. <maxnoofPC5RLCChannels>* |  |  | - |  |
| >>PC5 RLC Channel ID | M |  | 9.3.1.265 |  | - |  |
| >>Remote UE Local ID | O |  | 9.3.1.267 |  |  |  |
| >>CHOICE *PC5 RLC Channel QoS Information* | O |  |  |  | - |  |
| *>>>PC5 RLC Channel QoS* |  |  |  |  |  |  |
| >>>>PC5 RLC Channel QoS | M |  | QoS Flow Level QoS Parameters  9.3.1.45 |  | - |  |
| *>>>PC5 Control Plane Traffic Type* |  |  |  |  |  |  |
| >>>>PC5 Control Plane Traffic Type | M |  | ENUMERATED(SRB1, SRB2, …, SRB0) | This IE indicate the type of SRB conveyed via the PC5 Relay RLC Channel. | - |  |
| *>>>U2U RLC Channel QoS* |  |  |  |  | YES | reject |
| >>>>U2U RLC Channel QoS | M |  | PC5 QoS Parameters  9.3.1.122 |  | - |  |
| >>RLC Mode | O |  | 9.3.1.27 |  | - |  |
| >>Peer UE ID | O |  | BIT STRING (SIZE(24)) | Corresponds to the L2 ID of the parent UE or child UE in Multi-hop relay communication. | YES | reject |
| **PC5 RLC Channel to Be Released List** |  | *0..1* |  |  | YES | reject |
| **>PC5 RLC Channel to be Released Item IEs** |  | *1 .. <maxnoofPC5RLCChannels>* |  |  | - |  |
| >>PC5 RLC Channel ID | M |  | 9.3.1.265 |  | - |  |
| >>Remote UE Local ID | O |  | 9.3.1.267 |  | - |  |
| >>Peer UE ID | O |  | BIT STRING (SIZE(24)) | Corresponds to the L2 ID of the parent UE or child UE in Multi-hop relay communication. | YES | reject |
| Path Switch Configuration | O |  | 9.3.1.263 |  | YES | ignore |
| gNB-DU UE Slice Maximum Bit Rate List | O |  | 9.3.1.271 | The Slice Maximum Bit Rate List is the maximum aggregate UL bit rate per slice, to be enforced by the gNB-DU, if feasible. | YES | ignore |
| Multicast MBS Session Setup List | O |  | Multicast MBS Session List 9.3.1.272 | The list of MBS Session ID that UE has joined. | YES | reject |
| Multicast MBS Session Remove List | O |  | Multicast MBS Session List 9.3.1.272 | The list of MBS Session ID that UE has left. | YES | reject |
| **UE Multicast MRB to Be Setup at Modify List** |  | *0..1* |  |  | YES | reject |
| **>UE Multicast MRB to Be Setup at Modify Item IEs** |  | *1 .. <maxnoofMRBsforUE>* |  |  | EACH | reject |
| >>MRB ID | M |  | 9.3.1.224 | MRB ID for the UE. | - |  |
| >>MBS PTP Retransmission Tunnel Required | O |  | 9.3.2.10 |  | - |  |
| >>MBS PTP Forwarding Tunnel Required Information | O |  | MRB Progress Information 9.3.2.12 |  | - |  |
| **UE Multicast MRB to Be Released List** |  | *0..1* |  |  | YES | reject |
| **>UE Multicast MRB to Be Released Item IEs** |  | *1 .. <maxnoofMRBsforUE>* |  |  | EACH | reject |
| >>MRB ID | M |  | 9.3.1.224 | MRB ID for the UE. | - |  |
| **SL DRX Cycle List** |  | *0..1* |  |  | YES | ignore |
| **>SL DRX Cycle Item IEs** |  | *1 ..*  *<maxnoofSLdestinations >* |  |  | EACH | ignore |
| >>RX UE ID | M |  | BIT STRING (SIZE(24)) | Indicates the destination L2 ID of RX UE associated to this UE. | - |  |
| >>CHOICE *SL DRX Information* | M |  |  |  | - |  |
| *>>>SL DRX Cycle* |  |  |  |  |  |  |
| >>>>SL DRX Cycle Length | M |  | ENUMERATED (ms10, ms20, ms32, ms40, ms60, ms64, ms70, ms80, ms128, ms160, ms256, ms320, ms512, ms640, ms1024, ms1280, ms2048, ms2560, ms5120, ms10240, ...) | Indicates the desired SL DRX cycle for RX UE associated to this UE. | - |  |
| *>>>No SL DRX* |  |  |  |  | - |  |
| >>>>SL DRX configuration indicator | M |  | ENUMERATED(release,...) |  | - |  |
| Management Based MDT PLMN Modification List | O |  | MDT PLMN Modification List  9.3.1.274 |  | YES | ignore |
| SDT Bearer Configuration Query Indication | O |  | ENUMERATED (true, ...) |  | YES | ignore |
| DAPS HO status | O |  | ENUMERATED(initiation, …) | This IE is used if DAPS HO is initiated. | YES | ignore |
| **ServingCellMO List** |  | *0..1* |  | For NCD-SSBs | YES | ignore |
| **>ServingCellMO Item IEs** |  | *1 .. <maxnoofServingCellMOs>* |  |  | EACH | ignore |
| >>servingCellMO | M |  | INTEGER (1..64, ...) |  | - |  |
| >>SSB frequency | M |  | INTEGER (0..3279165) | ARFCN | - |  |
| Uplink TxDirectCurrentMoreCarrierList Information | O |  | 9.3.1.284 |  | YES | ignore |
| **CPAC MCG Information** |  | *0..1* |  | This IE is used at the MN for MCG configuration as specified in TS 37.340 [7] for CPAC. | YES | ignore |
| >CPAC Trigger | M |  | ENUMERATED (CPAC-preparation, CPAC-executed, …, CPAC-cancel) |  | - |  |
| >PSCell ID | M |  | NR CGI 9.3.1.12 | The PSCell corresponding to the included CG-Config IE at CPAC-preparation or the selected PSCell by the UE at CPAC-executed. This IE is ignored if the *CPAC Trigger* IE is set to “CPAC-cancel”. | - |  |
| **>Candidate PSCells To Be Cancelled List** | C-ifCPACcancel |  |  |  | YES | ignore |
| **>> Candidate PSCells To Be Cancelled Item IEs** |  | *1 .. <maxnoofCellsinCHO>* |  |  | - | - |
| >>>PSCell ID | M |  | NR CGI 9.3.1.12 | The corresponding PSCell cancelled at CPAC-cancel. | - | - |
| Network Controlled Repeater Authorized | O |  | 9.3.1.288 |  | YES | ignore |
| SDT Volume Threshold | O |  | INTEGER(1.. 192000,...) | Unit: byte. | YES | ignore |
| **LTM Information Modify** |  | *0..1* |  |  | YES | reject |
| >LTM Indicator | M |  | ENUMERATED (true, …, C-LTM) |  | - |  |
| >Reference Configuration | O |  | 9.3.1.292 |  | - |  |
| >CSI Resource Configuration | O |  | 9.3.1.330 |  | - |  |
| >Request for CSI-RS Resource Configuration for L1 measurements | O |  | ENUMERATED (true, …) |  | YES | reject |
| >Request for CSI Resource Configuration for CSI acquisition | O |  | ENUMERATED (true, …) |  | YES | reject |
| >Request for L1 Execution Condition | O |  | 9.3.1.361 |  | YES | reject |
| **LTM CFRA Resource Config List** |  | *0..1* |  |  | YES | ignore |
| **>LTM CFRA Resource Config Item IEs** |  | *1 .. <maxnoofLTMCells>* |  |  | EACH | ignore |
| >>Cell ID | M |  | NR CGI  9.3.1.12 |  | - |  |
| >>LTM CFRA Resource Configuration | O |  | OCTET STRING | Includes the *RACH-ConfigDedicated* IE, as defined in TS 38.331 [8]. | - |  |
| >>LTM CFRA Resource Configuration for SUL | O |  | OCTET STRING | Includes the *RACH-ConfigDedicated* IE, as defined in TS 38.331 [8]. This IE applies for SUL carrier. | - |  |
| LTM Configuration ID Mapping List | O |  | 9.3.1.294 |  | YES | reject |
| **Early Sync Information Request** |  | *0..1* |  |  | YES | ignore |
| >Request for RACH Configuration | M |  | ENUMERATED (true, …) |  | - |  |
| **>LTM gNB-DUs ID List** |  | *1* |  | This IE contains the IDs of the source gNB-DU and candidate gNB-DU(s). | YES | reject |
| **>>LTM gNB-DUs Item IEs** |  | *1..< maxnoofLTMgNB-DUs>* |  |  | - |  |
| >>>LTM gNB-DU ID | M |  | gNB-DU ID  9.3.1.9 |  | - |  |
| >>>LTM gNB ID | O |  | Global gNB ID 9.3.1.305 |  | YES | reject |
| **Early Sync Candidate Cell Information List** |  | *0..1* |  |  | YES | ignore |
| **>Early Sync Candidate Cell Information Item IEs** |  | *1 .. <maxnoofLTMCells>* |  |  | EACH | ignore |
| >>Cell ID | M |  | NR CGI  9.3.1.12 |  | - |  |
| >>TCI States Configurations List | O |  | OCTET STRING | Includes the *LTM-TCI-Info*  IE, as defined in TS 38.331 [8]. | - |  |
| >>Early UL Sync Configuration | O |  | 9.3.1.328 |  | - |  |
| >>Early UL Sync Configuration for SUL | O |  | Early UL Sync Configuration  9.3.1.328 | This IE applies for SUL carrier. | - |  |
| >>TA Assistance Information | O |  | ENUMERATED (zero, …) | The value "zero" corresponds to TA value of the cell being equal to zero. | - |  |
| >>UE Based TA Measurement Configuration | O |  | OCTET STRING | Includes the *ltm-UE-MeasuredTA-ID* contained in the *LTM-Candidate* IE, as defined in TS 38.331 [8], for the LTM candidate cell identified by the *Cell ID* IE. | - |  |
| >>SSB Positions In Burst | C-ifEarlyUL |  | 9.3.1.138 | This IE applies to early TA acquisition. | YES | ignore |
| >>LTM Residual TA Information List | O |  | 9.3.1.363 | This IE indicates the TA value and the remaining TA timers of the cell. | YES | ignore |
| **Early Sync Serving Cell Information** |  | *0..1* |  |  | YES | ignore |
| >UE Based TA Measurement Configuration | O |  | OCTET STRING | Includes the *ltm-ServingCellUE-MeasuredTA-ID* contained in the *LTM-Config* IE, as defined in TS 38.331 [8], for the current serving cell. | - |  |
| LTM Cells To Be Released List | O |  | 9.3.1.291 |  | YES | reject |
| Path Addition Information | O |  | 9.3.1.296 |  | YES | reject |
| NR A2X Services Authorized | O |  | 9.3.1.323 |  | YES | ignore |
| LTE A2X Services Authorized | O |  | 9.3.1.324 |  | YES | ignore |
| NR UE Sidelink Aggregate Maximum Bit Rate for A2X | O |  | NR UE Sidelink Aggregate Maximum Bit Rate  9.3.1.119 | This IE applies only if the UE is authorized for NR A2X services. | YES | ignore |
| LTE UE Sidelink Aggregate Maximum Bit Rate for A2X | O |  | LTE UE Sidelink Aggregate Maximum Bit Rate  9.3.1.118 | This IE applies only if the UE is authorized for LTE A2X services. | YES | ignore |
| DL LBT Failure Information Request | O |  | ENUMERATED (inquiry, …) |  | YES | ignore |
| Ranging and Sidelink Positioning Service Information | O |  | 9.3.1.331 | This IE applies only if the UE is authorized for NR V2X services and/or 5G ProSe services. | YES | ignore |
| Non-Integer DRX Cycle | O |  | 9.3.1.344 |  | YES | ignore |
| LTM Reset Information | O |  | 9.3.1.346 |  | YES | ignore |
| **LTM TCI States Configurations List** |  | *0..1* |  |  | YES | reject |
| **>LTM TCI States Configurations Item IEs** |  | *1 .. <maxnoofLTMCells>* |  |  | - |  |
| >>Cell ID | M |  | NR CGI  9.3.1.12 |  | - |  |
| >>TCI States Configurations List | M |  | OCTET STRING | Includes the *LTM-TCI-Info*  IE, as defined in TS 38.331 [8]. | - |  |
| LTM Security Information | O |  | 9.3.1.359 |  | YES | reject |
| **LTM Information SN Modification** |  | *0..1* |  |  | YES | reject |
| >LTM with SCG Indicator | M |  | ENUMERATED(true, …) |  | – |  |

<<<<<<<<<<<<<<<<<<<< Next change >>>>>>>>>>>>>>>>>>>>

#### 9.3.1.369 Neighbour Future Coverage Modification Notification

This IE includes a list of cells and/or SS/PBCH block indexes with the corresponding future coverage configuration selected by one or more neighbour node(s).

| IE/Group Name | Presence | Range | IE type and reference | Semantics description |
| --- | --- | --- | --- | --- |
| **Neighbour Future Coverage Modification Notification List** |  | *1* |  |  |
| **>Neighbour Future Coverage Modification Notification Item** |  | *1..< maxnoofCellsinNG-RANnode>* |  |  |
| >>NR CGI | M |  | 9.3.1.12 |  |
| >>Neighbour Future Cell Coverage State | M |  | INTEGER (0..63, ...) | Value ‘0’ indicates that the cell will be inactive. Other values indicate that the cell will be active and also indicate the future coverage configuration of the concerned cell. |
| **>>Neighbour Future SSB Modification Notification List** |  | *0..1* |  |  |
| **>>>Neighbour Future SSB Modification Notification Item** |  | *1..<maxnoofSSBAreas>* |  |  |
| >>>>SSB Index | M |  | INTEGER (0..63) |  |
| >>>>Neighbour Future SSB Coverage State | M |  | INTEGER (0..15, ...) | Value ‘0’ indicates that the SSB beam will be inactive. Other values indicate that the SSB beams will be active and also indicate the future coverage configuration of the concerned SSB beams. |
| >>Time for Neighbour Future Coverage Modification | O |  | INTEGER (1..60, ...) | Indicates the time when the Future Cell Coverage State(s) and/or the Future SSB Coverage State(s) will be applied by the gNB-DU relative to the time of receiving this information, in seconds. |

|  |  |
| --- | --- |
| Range bound | Explanation |
| *maxnoofCellsinNG-RANnode*t | Maximum no. cells that can be served by a NG-RAN node. Value is 16384. |
| maxnoofSSBAreas | Maximum numbers of SSB Areas that can be served by a NG-RAN node cell. Value is 64. |

<<<<<<<<<<<<<<<<<<<< Next change >>>>>>>>>>>>>>>>>>>>

#### 9.3.1.370 UE Performance Delay Monitoring

This IE defines the parameters for UE performance delay measurements, and whether to stop an ongoing measurement.

| IE/Group Name | Presence | Range | IE type and reference | Semantics description | Criticality | Assigned Criticality |
| --- | --- | --- | --- | --- | --- | --- |
| UE Performance Delay Monitoring Request | M |  | ENUMERATED (UL and DL, stop,…) | Indicates to measure UL and DL delay for the DRB, or to stop the ongoing measurement. | YES | ignore |
| UE Performance Delay Monitoring Reporting Periodicity | O |  | ENUMERATED(ms500, ms1000, ms2000, ms5000, ms10000, …) | Periodicity of reporting of UL and DL delay for the DRB. | YES | ignore |

<<<<<<<<<<<<<<<<<<<< Next change >>>>>>>>>>>>>>>>>>>>

### 9.4.5 Information Element Definitions

-- ASN1START

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

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-- Information Element Definitions

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-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

F1AP-IEs {

itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)

ngran-access (22) modules (3) f1ap (3) version1 (1) f1ap-IEs (2) }

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

IMPORTS

id-gNB-CUSystemInformation,

id-HandoverPreparationInformation,

id-TAISliceSupportList,

id-RANAC,

id-BearerTypeChange,

id-Coverage-Modification-Cause,

id-Cell-Direction,

id-Cell-Type,

id-CellGroupConfig,

id-AvailablePLMNList,

id-PDUSessionID,

id-ULPDUSessionAggregateMaximumBitRate,

id-DC-Based-Duplication-Configured,

id-DC-Based-Duplication-Activation,

id-Duplication-Activation,

id-DLPDCPSNLength,

id-ULPDCPSNLength,

id-RLC-Status,

id-MeasurementTimingConfiguration,

id-DRB-Information,

id-QoSFlowMappingIndication,

id-ServingCellMO,

id-RLCMode,

id-ExtendedServedPLMNs-List,

id-ExtendedAvailablePLMN-List,

id-DRX-LongCycleStartOffset,

id-SelectedBandCombinationIndex,

id-SelectedFeatureSetEntryIndex,

id-Ph-InfoSCG,

id-latest-RRC-Version-Enhanced,

id-RequestedBandCombinationIndex,

id-RequestedFeatureSetEntryIndex,

id-DRX-Config,

id-UEAssistanceInformation,

id-PDCCH-BlindDetectionSCG,

id-Requested-PDCCH-BlindDetectionSCG,

id-BPLMN-ID-Info-List,

id-NotificationInformation,

id-TNLAssociationTransportLayerAddressgNBDU,

id-portNumber,

id-AdditionalSIBMessageList,

id-IgnorePRACHConfiguration,

id-CG-Config,

id-Ph-InfoMCG,

id-AggressorgNBSetID,

id-VictimgNBSetID,

id-MeasGapSharingConfig,

id-systemInformationAreaID,

id-areaScope,

id-IntendedTDD-DL-ULConfig,

id-QosMonitoringRequest,

id-BHInfo,

id-IAB-Info-IAB-DU,

id-IAB-Info-IAB-donor-CU,

id-IAB-Barred,

id-SIB12-message,

id-SIB13-message,

id-SIB14-message,

id-UEAssistanceInformationEUTRA,

id-SL-PHY-MAC-RLC-Config,

id-SL-ConfigDedicatedEUTRA-Info,

id-AlternativeQoSParaSetList,

id-CurrentQoSParaSetIndex,

id-CarrierList,

id-ULCarrierList,

id-FrequencyShift7p5khz,

id-SSB-PositionsInBurst,

id-NRPRACHConfig,

id-TDD-UL-DLConfigCommonNR,

id-CNPacketDelayBudgetDownlink,

id-CNPacketDelayBudgetUplink,

id-ExtendedPacketDelayBudget,

id-TSCTrafficCharacteristics,

id-AdditionalPDCPDuplicationTNL-List,

id-RLCDuplicationInformation,

id-AdditionalDuplicationIndication,

id-mdtConfiguration,

id-TraceCollectionEntityURI,

id-NID,

id-NPNSupportInfo,

id-NPNBroadcastInformation,

id-AvailableSNPN-ID-List,

id-SIB10-message,

id-RequestedP-MaxFR2,

id-DLCarrierList,

id-ExtendedTAISliceSupportList,

id-E-CID-MeasurementQuantities-Item,

id-ConfiguredTACIndication,

id-NRCGI,

id-SFN-Offset,

id-TransmissionStopIndicator,

id-SrsFrequency,

id-EstimatedArrivalProbability,

id-Supported-MBS-FSA-ID-List,

id-TRPType,

id-SRSSpatialRelationPerSRSResource,

id-MBS-Broadcast-NeighbourCellList,

id-PDCPTerminatingNodeDLTNLAddrInfo,

id-ENBDLTNLAddress,

id-PRS-Resource-ID,

id-LocationMeasurementInformation,

id-SliceRadioResourceStatus,

id-CompositeAvailableCapacity-SUL,

id-NR-U,

id-NR-U-Channel-List,

id-MIMOPRBusageInformation,

id-IngressNonF1terminatingTopologyIndicator,

id-NonF1terminatingTopologyIndicator,

id-EgressNonF1terminatingTopologyIndicator,

id-rBSetConfiguration,

id-frequency-Domain-HSNA-Configuration-List,

id-child-IAB-Nodes-NA-Resource-List,

id-Parent-IAB-Nodes-NA-Resource-Configuration-List,

id-uL-FreqInfo,

id-uL-Transmission-Bandwidth,

id-dL-FreqInfo,

id-dL-Transmission-Bandwidth,

id-uL-NR-Carrier-List,

id-dL-NR-Carrier-List,

id-nRFreqInfo,

id-transmission-Bandwidth,

id-nR-Carrier-List,

id-permutation,

id-M5ReportAmount,

id-M6ReportAmount,

id-M7ReportAmount,

id-SurvivalTime,

id-PDCMeasurementQuantities-Item,

id-OnDemandPRS,

id-AoA-SearchWindow,

id-ZoAInformation,

id-ARPLocationInfo,

id-ARP-ID,

id-MultipleULAoA,

id-UL-SRS-RSRPP,

id-SRSResourcetype,

id-ExtendedAdditionalPathList,

id-LoS-NLoSInformation,

id-NumberOfTRPRxTEG,

id-NumberOfTRPRxTxTEG,

id-TRPTxTEGAssociation,

id-TRPTEGInformation,

id-TRPRx-TEGInformation,

id-TRPBeamAntennaInformation,

id-Redcap-Bcast-Information,

id-NR-TADV,

id-SDT-MAC-PHY-CG-Config,

id-CG-SDTindicatorSetup,

id-CG-SDTindicatorMod,

id-SDTRLCBearerConfiguration,

id-SRBMappingInfo,

id-DRBMappingInfo,

id-LastUsedCellIndication,

id-Recommended-SSBs-List,

id-SSBs-withinTheCell-tobe-Activated-List,

id-SIB17-message,

id-MUSIM-GapConfig,

id-SIB20-message,

id-pathPower,

id-DU-RX-MT-RX-Extend,

id-DU-TX-MT-TX-Extend,

id-DU-RX-MT-TX-Extend,

id-DU-TX-MT-RX-Extend,

id-TAINSAGSupportList,

id-SL-RLC-ChannelToAddModList,

id-SIB15-message,

id-InterFrequencyConfig-NoGap,

id-MBSInterestIndication,

id-L571Info,

id-L1151Info,

id-SCS-480,

id-SCS-960,

id-SRSPortIndex,

id-PEISubgroupingSupportIndication,

id-NeedForGapsInfoNR,

id-NeedForGapNCSGInfoNR,

id-NeedForGapNCSGInfoEUTRA,

id-Source-MRB-ID,

id-RedCapIndication,

id-UL-GapFR2-Config,

id-ConfigRestrictInfoDAPS,

id-MulticastF1UContextReferenceCU,

id-TwoPHRModeMCG,

id-TwoPHRModeSCG,

id-ncd-SSB-RedCapInitialBWP-SDT,

id-nrofSymbolsExtended,

id-repetitionFactorExtended,

id-startRBHopping,

id-startRBIndex,

id-transmissionCombn8,

id-ServCellInfoList,

id-Preconfigured-measurement-GAP-Request,

id-BWP-Id,

id-ExtendedResourceSymbolOffset,

id-MusimCapabilityRestrictionIndication,

id-duplicationIndication,

id-dRB-List,

id-ChannelOccupancyTimePercentageUL,

id-RadioResourceStatusNR-U,

id-FiveG-ProSeLayer2Multipath,

id-FiveG-ProSeLayer2UEtoUERelay,

id-FiveG-ProSeLayer2UEtoUERemote,

id-TSCTrafficCharacteristicsFeedback,

id-RANfeedbacktype,

id-Mobile-TRP-LocationInformation,

id-Mobile-IAB-MT-UE-ID,

id-MobileAccessPointLocation,

id-SIB24-message,

id-PDUSetQoSParameters,

id-N6JitterInformation,

id-ECNMarkingorCongestionInformationReportingRequest,

id-ECNMarkingorCongestionInformationReportingStatus,

id-ERedcap-Bcast-Information,

id-NeedForInterruptionInfoNR,

id-SCPAC-Request,

id-MobileIAB-Barred,

id-F1UTunnelNotEstablished,

id-S-CPACLowerLayerReferenceConfigRequest,

id-MusimCandidateBandList,

id-PSIbasedSDUdiscardUL,

id-SIB22-message,

id-U2URLCChannelQoS,

id-SL-PHY-MAC-RLC-ConfigExt,

id-UL-RSCP,

id-BW-Aggregation-Request-Indication,

id-ReportingGranularitykminus1,

id-ReportingGranularitykminus1additionalpath,

id-ReportingGranularitykminus2,

id-ReportingGranularitykminus2additionalpath,

id-ReportingGranularitykminus3,

id-ReportingGranularitykminus3additionalpath,

id-ReportingGranularitykminus4,

id-ReportingGranularitykminus4additionalpath,

id-ReportingGranularitykminus5,

id-ReportingGranularitykminus5additionalpath,

id-ReportingGranularitykminus6,

id-ReportingGranularitykminus6additionalpath,

id-TimingReportingGranularityFactorExtended,

id-PosValidityAreaCellList,

id-SymbolIndex,

id-AggregatedPosSRSResourceIDList,

id-PhaseQuality,

id-PRSBWAggregationRequestInfoList,

id-AggregatedPRSResourceSetList,

id-MeasuredFrequencyHops,

id-TxHoppingConfiguration,

id-AggregatedPosSRSResourceSetList,

id-ValidityAreaSpecificSRSInformation,

id-PeerUE-ID,

id-MeasBasedOnAggregatedResources,

id-SIB23-message,

id-PointA,

id-SCS-SpecificCarrier,

id-NR-PCI,

id-E-CID-MeasuredResultsAssociatedInfoList,

id-XR-Bcast-Information,

id-MaxDataBurstVolume,

id-BarringExemptionforEmerCallInfo,

id-SIB17bis-message,

id-ReportingIntervalIMs,

id-Transmission-Bandwidth-asymmetric,

id-TagIDPointer,

id-LocalOrigin,

id-SRSPosPeriodicConfigHyperSFNIndex,

id-candidatePSCellsToCancel,

id-ValidityAreaSpecificSRSInformationExtended,

id-TCIStatesConfigurationsList,

id-E-CID-AoA-NR-per-TRP,

id-PSIbasedSDUdiscardDL,

id-PduSetDelayBudgetDownlink,

id-PduSetDelayBudgetUplink,

id-PduSetErrorRateDownlink,

id-PduSetErrorRateUplink,

id-MonitoringRequestonAvailableBitrate,

id-MMSID,

id-Indication-of-Bitrate-Adaptation,

id-DLPDUSetInformationMarkingSupportIndication,

id-FiveGProSeLayer3MHUEtoNetworkRelay,

id-FiveGProSeLayer2MHUEtoNetworkRelay,

id-FiveGProSeLayer2MHIntermediateUEtoNetworkRelay,

id-FiveGProSeLayer2MHRemote,

id-LPWUSSubgroupingSupportIndication,

id-SBFD-Frequency-Configuration,

id-SSB-resource-config,

id-NZP-CSI-RS-Resources-Config,

id-SRS-Resource-Configuration,

id-rLFReportFailureType,

id-C-RNTI,

id-OnDemandSIB1,

id-PagingAdaptationIndication,

id-PEISubgroupingSupportIndication-PagingAdaptation,

id-ServingCellMO-Ondemand,

id-LTMgNB-ID,

id-L1ExecutionConditionList,

id-LTMSecurityInformation,

id-RequestforCSI-RSResourceConfigforL1Measure,

id-RequestforCSI-RSResourceConfigforCSIAcquisition,

id-CSI-RSResourceConfigforL1Measure,

id-CSI-RSResourceConfigforCSIAcquisition,

id-CSIReportConfgforCSIAcquisition,

id-RequestforL1ExecutionCondition,

id-CSI-RSMeasurementsList,

id-LTMResidualTAInfoList,

id-ChannelResponseInformation,

id-UL-SRS-TDCT,

id-UEPerformanceDelayMonitoring,

maxNRARFCN,

maxnoofErrors,

maxnoofBPLMNs,

maxnoofBPLMNsNR,

maxnoofDLUPTNLInformation,

maxnoofNrCellBands,

maxnoofULUPTNLInformation,

maxnoofQoSFlows,

maxnoofSliceItems,

maxnoofSIBTypes,

maxnoofSITypes,

maxCellineNB,

maxnoofExtendedBPLMNs,

maxnoofAdditionalSIBs,

maxnoofUACPLMNs,

maxnoofUACperPLMN,

maxCellingNBDU,

maxnoofTLAs,

maxnoofGTPTLAs,

maxnoofslots,

maxnoofNonUPTrafficMappings,

maxnoofServingCells,

maxnoofServedCellsIAB,

maxnoofChildIABNodes,

maxnoofIABSTCInfo,

maxnoofDUFSlots,

maxnoofHSNASlots,

maxnoofEgressLinks,

maxnoofMappingEntries,

maxnoofDSInfo,

maxnoofQoSParaSets,

maxnoofPC5QoSFlows,

maxnoofSSBAreas,

maxnoofNRSCSs,

maxnoofPhysicalResourceBlocks,

maxnoofPhysicalResourceBlocks-1,

maxnoofPRACHconfigs,

maxnoofRAReports,

maxnoofRLFReports,

maxnoofAdditionalPDCPDuplicationTNL,

maxnoofRLCDuplicationState,

maxnoofCHOcells,

maxnoofMDTPLMNs,

maxnoofCAGsupported,

maxnoofNIDsupported,

maxnoofExtSliceItems,

maxnoofPosMeas,

maxnoofTRPInfoTypes,

maxnoofSRSTriggerStates,

maxnoofSpatialRelations,

maxnoBcastCell,

maxnoofTRPs,

maxnooflcs-gcs-translation,

maxnoofPath,

maxnoofMeasE-CID,

maxnoofSSBs,

maxnoSRS-ResourceSets,

maxnoSRS-ResourcePerSet,

maxnoSRS-Carriers,

maxnoSCSs,

maxnoSRS-Resources,

maxnoSRS-PosResources,

maxnoSRS-PosResourceSets,

maxnoSRS-PosResourcePerSet,

maxnoofPRS-ResourceSets,

maxnoofPRS-ResourcesPerSet,

maxNoOfMeasTRPs,

maxnoofPRSresourceSets,

maxnoofPRSresources,

maxnoofSuccessfulHOReports,

maxnoofNR-UChannelIDs,

maxServedCellforSON,

maxNeighbourCellforSON,

maxAffectedCells,

maxnoofMBSQoSFlows,

maxnoofMBSFSAs,

maxnoofMBSAreaSessionIDs,

maxnoofMBSServiceAreaInformation,

maxnoofTAIforMBS,

maxnoofCellsforMBS,

maxnoofIABCongInd,

maxnoofBHRLCChannels,

maxnoofTLAsIAB,

maxnoofRBsetsPerCell,

maxnoofRBsetsPerCell-1,

maxnoofNeighbourNodeCellsIAB,

maxnoofMeasPDC,

maxnoARPs,

maxnoofULAoAs,

maxNoPathExtended,

maxnoTRPTEGs,

maxFreqLayers,

maxNumResourcesPerAngle,

maxnoAzimuthAngles,

maxnoElevationAngles,

maxnoofPRSTRPs,

maxnoofQoEInformation,

maxnoofUuRLCChannels,

maxnoofPC5RLCChannels,

maxnoofSMBRValues,

maxnoofMBSSessionsofUE,

maxnoofSLdestinations,

maxnoofNSAGs,

maxnoofSDTBearers,

maxnoofPosSITypes,

maxnoofMRBs,

maxNrofBWPs,

maxnoofUETypes,

maxnoofLTMCells,

maxnoofLTMgNB-DUs,

maxnoofTAList,

maxnoofDRBs,

maxnoofUEsInQMCTransferControlMessage,

maxnoofUEsforRAReportIndications,

maxnoofSuccessfulPSCellChangeReports,

maxnoofPeriodicities,

maxnoofThresholdMBS-1,

maxMBSSessionsinSessionInfoList,

maxnoofLBTFailureInformation,

maxnoofRSPPQoSFlows,

maxnoVACell,

maxnoAggregatedSRS-Resources,

maxnoAggregatedPosSRSResourceSets,

maxnoAggregatedPosPRSResourceSets,

maxnoofTimeWindowSRS,

maxnoofTimeWindowMea,

maxnoPreconfiguredSRS,

maxnoHopsMinusOne,

maxnoAggCombinations,

maxnoAggregatedPosSRSCombinations,

maxnoofCandidateCells,

maxnoofSSBIndices,

maxnoofPreambleIndex,

maxnoofThresholds,

maxnoofNZP-CSI-RS-ResourcesPerSet,

maxnoofSRS-Resources,

maxnoofCellsinUEHistoryInfo,

maxnoofTAs,

maxnoofLTMCSI-RSResourceConfig,

maxnoofCSI-RSs,

maxnoofChannelRes,

maxnoofCellsinNG-RANnode

<<<<<<<<<<<<<<<<<<<< Next change >>>>>>>>>>>>>>>>>>>>

-- D

DRB-Information ::= SEQUENCE {

dRB-QoS QoSFlowLevelQoSParameters,

sNSSAI SNSSAI,

notificationControl NotificationControl OPTIONAL,

flows-Mapped-To-DRB-List Flows-Mapped-To-DRB-List,

iE-Extensions ProtocolExtensionContainer { { DRB-Information-ItemExtIEs } } OPTIONAL

}

DRB-Information-ItemExtIEs F1AP-PROTOCOL-EXTENSION ::= {

{ ID id-ECNMarkingorCongestionInformationReportingRequest CRITICALITY ignore EXTENSION ECNMarkingorCongestionInformationReportingRequest PRESENCE optional }|

{ ID id-PSIbasedSDUdiscardUL CRITICALITY ignore EXTENSION PSIbasedSDUdiscardUL PRESENCE optional }|

{ ID id-PSIbasedSDUdiscardDL CRITICALITY ignore EXTENSION PSIbasedSDUdiscardDL PRESENCE optional }|

{ ID id-UEPerformanceDelayMonitoring CRITICALITY ignore EXTENSION UEPerformanceDelayMonitoring PRESENCE optional},

...

}

<<<<<<<<<<<<<<<<<<<< Next change >>>>>>>>>>>>>>>>>>>>

-- P

UEPerformanceDelayMonitoring ::= SEQUENCE {

uEPerformanceDelayMonitoringRequest UEPerformanceDelayMonitoringRequest,

uEPerformanceDelayMonitoringPeriodicity UEPerformanceDelayMonitoringPeriodicity OPTIONAL,

iE-Extensions ProtocolExtensionContainer { { UEPerformanceDelayMonitoring-ExtIEs} } OPTIONAL,

...

}

UEPerformanceDelayMonitoring-ExtIEs F1AP-PROTOCOL-EXTENSION ::= {

...

}

UEPerformanceDelayMonitoringPeriodicity ::= ENUMERATED {

ms500,

ms1000,

ms2000,

ms5000,

ms10000,

...

}

UEPerformanceDelayMonitoringRequest ::=ENUMERATED {ul-and-dl, stop, ...}

<<<<<<<<<<<<<<<<<<<<Next Change>>>>>>>>>>>>>>>>>>>>

### 9.4.7 Constant Definitions

-- ASN1START

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

--

-- Constant definitions

--

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

F1AP-Constants {

itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)

ngran-access (22) modules (3) f1ap (3) version1 (1) f1ap-Constants (4) }

DEFINITIONS AUTOMATIC TAGS ::=

<<<<<<<<<<<<<<<<<<<<Skipped Unchanged part >>>>>>>>>>>>>>>>>>>>

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

--

-- Extension constants

--

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

maxPrivateIEs INTEGER ::= 65535

maxProtocolExtensions INTEGER ::= 65535

maxProtocolIEs INTEGER ::= 65535

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

--

-- Lists

--

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

maxNRARFCN INTEGER ::= 3279165

maxnoofErrors INTEGER ::= 256

maxnoofIndividualF1ConnectionsToReset INTEGER ::= 65536

maxCellingNBDU INTEGER ::= 512

maxnoofSCells INTEGER ::= 32

maxnoofSRBs INTEGER ::= 8

maxnoofDRBs INTEGER ::= 64

maxnoofULUPTNLInformation INTEGER ::= 2

maxnoofDLUPTNLInformation INTEGER ::= 2

maxnoofBPLMNs INTEGER ::= 6

maxnoofCandidateSpCells INTEGER ::= 64

maxnoofPotentialSpCells INTEGER ::= 64

maxnoofNrCellBands INTEGER ::= 32

maxnoofSIBTypes INTEGER ::= 32

maxnoofSITypes INTEGER ::= 32

maxnoofPagingCells INTEGER ::= 512

maxnoofTNLAssociations INTEGER ::= 32

maxnoofQoSFlows INTEGER ::= 64

maxnoofSliceItems INTEGER ::= 1024

maxCellineNB INTEGER ::= 256

maxnoofExtendedBPLMNs INTEGER ::= 6

maxnoofUEIDs INTEGER ::= 65536

maxnoofBPLMNsNR INTEGER ::= 12

maxnoofUACPLMNs INTEGER ::= 12

maxnoofUACperPLMN INTEGER ::= 64

maxnoofAdditionalSIBs INTEGER ::= 63

maxnoofslots INTEGER ::= 5120

maxnoofTLAs INTEGER ::= 16

maxnoofGTPTLAs INTEGER ::= 16

maxnoofBHRLCChannels INTEGER ::= 65536

maxnoofRoutingEntries INTEGER ::= 1024

maxnoofIABSTCInfo INTEGER ::= 45

maxnoofSymbols INTEGER ::= 14

maxnoofServingCells INTEGER ::= 32

maxnoofDUFSlots INTEGER ::= 320

maxnoofHSNASlots INTEGER ::= 5120

maxnoofServedCellsIAB INTEGER ::= 512

maxnoofSSBarea INTEGER ::=64

maxnoofChildIABNodes INTEGER ::= 1024

maxnoofNonUPTrafficMappings INTEGER ::= 32

maxnoofTLAsIAB INTEGER ::= 1024

maxnoofMappingEntries INTEGER ::= 67108864

maxnoofDSInfo INTEGER ::= 64

maxnoofEgressLinks INTEGER ::= 2

maxnoofULUPTNLInformationforIAB INTEGER ::= 32678

maxnoofUPTNLAddresses INTEGER ::= 8

maxnoofSLDRBs INTEGER ::= 512

maxnoofQoSParaSets INTEGER ::= 8

maxnoofPC5QoSFlows INTEGER ::= 2048

maxnoofSSBAreas INTEGER ::= 64

maxnoofPhysicalResourceBlocks INTEGER ::= 275

maxnoofPhysicalResourceBlocks-1 INTEGER ::= 274

maxnoofPRACHconfigs INTEGER ::= 16

maxnoofRAReports INTEGER ::= 64

maxnoofRLFReports INTEGER ::= 64

maxnoofAdditionalPDCPDuplicationTNL INTEGER ::= 2

maxnoofRLCDuplicationState INTEGER ::= 3

maxnoofCHOcells INTEGER ::= 8

maxnoofMDTPLMNs INTEGER ::= 16

maxnoofCAGsupported INTEGER ::= 12

maxnoofNIDsupported INTEGER ::= 12

maxnoofNRSCSs INTEGER ::= 5

maxnoofExtSliceItems INTEGER ::= 65535

maxnoofPosMeas INTEGER ::= 16384

maxnoofTRPInfoTypes INTEGER ::= 64

maxnoofTRPs INTEGER ::= 65535

maxnoofSRSTriggerStates INTEGER ::= 3

maxnoofSpatialRelations INTEGER ::= 64

maxnoBcastCell INTEGER ::= 16384

maxnoofAngleInfo INTEGER ::= 65535

maxnooflcs-gcs-translation INTEGER ::= 3

maxnoofPath INTEGER ::= 2

maxnoofMeasE-CID INTEGER ::= 64

maxnoofSSBs INTEGER ::= 255

maxnoSRS-ResourceSets INTEGER ::= 16

maxnoSRS-ResourcePerSet INTEGER ::= 16

maxnoSRS-Carriers INTEGER ::= 32

maxnoSCSs INTEGER ::= 5

maxnoSRS-Resources INTEGER ::= 64

maxnoSRS-PosResources INTEGER ::= 64

maxnoSRS-PosResourceSets INTEGER ::= 16

maxnoSRS-PosResourcePerSet INTEGER ::= 16

maxnoofPRS-ResourceSets INTEGER ::= 2

maxnoofPRS-ResourcesPerSet INTEGER ::= 64

maxNoOfMeasTRPs INTEGER ::= 64

maxnoofPRSresourceSets INTEGER ::= 8

maxnoofPRSresources INTEGER ::= 64

maxnoofSuccessfulHOReports INTEGER ::= 64

maxnoofNR-UChannelIDs INTEGER ::= 16

maxServedCellforSON INTEGER ::= 256

maxNeighbourCellforSON INTEGER ::= 32

maxAffectedCells INTEGER ::= 32

maxnoofMRBs INTEGER ::= 32

maxnoofMBSQoSFlows INTEGER ::= 64

maxnoofMBSFSAs INTEGER ::= 256

maxnoofUEIDforPaging INTEGER ::= 4096

maxnoofCellsforMBS INTEGER ::= 512

maxnoofTAIforMBS INTEGER ::= 512

maxnoofMBSAreaSessionIDs INTEGER ::= 256

maxnoofMBSServiceAreaInformation INTEGER ::= 256

maxnoofIABCongInd INTEGER ::= 1024

maxnoofNeighbourNodeCellsIAB INTEGER ::= 1024

maxnoofRBsetsPerCell INTEGER ::= 8

maxnoofRBsetsPerCell-1 INTEGER ::= 7

maxnoofMeasPDC INTEGER ::= 16

maxnoARPs INTEGER ::= 16

maxnoofULAoAs INTEGER ::= 8

maxNoPathExtended INTEGER ::= 8

maxnoTRPTEGs INTEGER ::= 8

maxFreqLayers INTEGER ::= 4

maxNumResourcesPerAngle INTEGER ::= 24

maxnoAzimuthAngles INTEGER ::= 3600

maxnoElevationAngles INTEGER ::= 1801

maxnoofPRSTRPs INTEGER ::= 256

maxnoofQoEInformation INTEGER ::= 16

maxnoofUuRLCChannels INTEGER ::= 32

maxnoofPC5RLCChannels INTEGER ::= 512

maxnoofSMBRValues INTEGER ::= 8

maxnoofMRBsforUE INTEGER ::= 64

maxnoofMBSSessionsofUE INTEGER ::= 256

maxnoofSLdestinations INTEGER ::= 32

maxnoofNSAGs INTEGER ::= 256

maxnoofSDTBearers INTEGER ::= 72

maxnoofServingCellMOs INTEGER ::= 16

maxNrofBWPs INTEGER ::= 8

maxnoofPosSITypes INTEGER ::= 32

maxnoofUETypes INTEGER ::= 8

maxnoofLTMCells INTEGER ::= 8

maxnoofTAList INTEGER ::= 8

maxnoofLTMgNB-DUs INTEGER ::= 8

maxnoofUEsInQMCTransferControlMessage INTEGER ::= 512

maxnoofUEsforRAReportIndications INTEGER ::= 64

maxnoofSuccessfulPSCellChangeReports INTEGER ::= 64

maxnoofPeriodicities INTEGER ::= 8

maxnoofThresholdMBS-1 INTEGER ::= 7

maxMBSSessionsinSessionInfoList INTEGER ::= 1024

maxnoofLBTFailureInformation INTEGER ::= 64

maxnoofRSPPQoSFlows INTEGER ::= 2048

maxnoVACell INTEGER ::= 32

maxnoAggregatedSRS-Resources INTEGER ::= 3

maxnoAggregatedPosSRSResourceSets INTEGER ::= 3

maxnoAggregatedPosPRSResourceSets INTEGER ::= 3

maxnoofTimeWindowSRS INTEGER ::= 16

maxnoofTimeWindowMea INTEGER ::= 16

maxnoPreconfiguredSRS INTEGER ::= 16

maxnoHopsMinusOne INTEGER ::= 5

maxnoAggCombinations INTEGER ::= 2

maxnoAggregatedPosSRSCombinations INTEGER ::= 32

maxnoofCandidateCells INTEGER ::= 8

maxnoofSSBIndices INTEGER ::= 64

maxnoofPreambleIndex INTEGER ::= 64

maxnoofThresholds INTEGER ::= 8

maxnoofNZP-CSI-RS-ResourcesPerSet INTEGER ::= 64

maxnoofSRS-Resources INTEGER ::= 64

maxnoofCellsinUEHistoryInfo INTEGER ::= 16

maxnoofLTMCSI-RSResourceConfig INTEGER ::= 112

maxnoofCSI-RSs INTEGER ::= 192

maxnoofTAs INTEGER ::= 2

maxnoofChannelRes INTEGER ::= 24

maxnoofCellsinNG-RANnodet INTEGER ::= 16384

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

--

-- IEs

--

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

id-Cause ProtocolIE-ID ::= 0

id-Cells-Failed-to-be-Activated-List ProtocolIE-ID ::= 1

<<<<<<<<<<<<<<<<<<<<Skipped Unchanged part >>>>>>>>>>>>>>>>>>>>

id-Future-Coverage-Modification-Notification ProtocolIE-ID ::= 914

id-Predicted-CCO-Assistance-Information ProtocolIE-ID ::= 915

id-UEPerformanceDelayMonitoring ProtocolIE-ID ::= 916

id-NodeAssociatedInfoResult ProtocolIE-ID ::= 917

id-NeighbourFutureCoverageModNotification ProtocolIE-ID ::= 918

END

-- ASN1STOP

<<<<<<<<<<<<<<<<<<<< End of changes >>>>>>>>>>>>>>>>>>>>