**3GPP RAN WG3 Meeting #128R3-253916**

**Malta, 19th – 23rd May 2025**

**Source: CATT,Nokia,ZTE,Ericsson,Huawei,LGE,Samsung,Ofinno,NEC,Deutsche Telekom CMCC,Lenovo,FiberCop**

**Title:** **TP on TS 38.473 for AI/ML-based CCO**

**Agenda Item:** **11.3**

**Document for:** **Discussion and decision**

1. **Introduction**

This document reflects the agreement achieved during the online discussion:

|  |
| --- |
| **Adopt Opt2.** |

1. **Text proposal**

<<<<<<<<<<<<<<<<<<<< First Change >>>>>>>>>>>>>>>>>>>>

### 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.

<<<<SKIP UNRELATED PART>>>>

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 *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.

<<<<<<<<<<<<<<<<<<<< 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.

<<<<SKIP UNRELATED PART>>>>

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 *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 cells.   
Editor´s note: to be further discussed whether any more details need to be added to the above paragraph.

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.

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

#### 9.2.1.7 GNB-DU CONFIGURATION UPDATE

This message is sent by the gNB-DU to transfer updated information associated to an F1-C interface instance.

NOTE: If F1-C signalling transport is shared among several F1-C interface instances, this message may transfer updated information associated to several F1-C interface instances.

Direction: gNB-DU  gNB-CU

| IE/Group Name | Presence | Range | IE type and reference | Semantics description | Criticality | Assigned Criticality |
| --- | --- | --- | --- | --- | --- | --- |
| Message Type | M |  | 9.3.1.1 |  | YES | reject |
| Transaction ID | M |  | 9.3.1.23 |  | YES | reject |
| <<<<SKIP UNRELATED PART>>>> | | | | | | |
| Coverage Modification Notification | O |  | 9.3.1.213 |  | YES | ignore |
| gNB-DU Name | O |  | PrintableString(SIZE(1..150,...)) | Human readable name of the gNB-DU. | YES | ignore |
| Extended gNB-DU Name | O |  | 9.3.1.205 |  | YES | ignore |
| RRC Terminating IAB-Donor Related Info | O |  | 9.3.1.306 | Indicates the information related to a mobile IAB-node’s RRC-terminating IAB-donor. | YES | reject |
| Mobile IAB-MT User Location Information | O |  | 9.3.1.307 |  | YES | ignore |
| Future Coverage Modification Notification | O |  | 9.3.1.B |  | YES | ignore |

|  |  |
| --- | --- |
| Range bound | Explanation |
| maxCellingNBDU | Maximum no. cells that can be served by a gNB-DU. Value is 512. |
| maxnoofUEIDs | Maximum no. of UEs that can be served by a gNB-DU. Value is 65536. |
| maxnoofTNLAssociations | Maximum numbers of TNL Associations between the gNB-CU and the gNB-DU. Value is 32. |

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

#### 9.2.1.10 GNB-CU CONFIGURATION UPDATE

This message is sent by the gNB-CU to transfer updated information associated to an F1-C interface instance.

NOTE: If F1-C signalling transport is shared among several F1-C interface instances, this message may transfer updated information associated to several F1-C interface instances.

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 |
| Transaction ID | M |  | 9.3.1.23 |  | YES | reject |
| <<<<SKIP UNRELATED PART>>>> | | | | | | |
| CCO Assistance Information | O |  | 9.3.1.211 | Indicates CCO Assistance Information for cells and beams served by the gNB-DU of the same NG-RAN node or for cells and beams not served by the gNB-DU. | YES | ignore |
| Cells for SON List | O |  | 9.3.1.214 |  | YES | ignore |
| gNB-CU Name | O |  | PrintableString(SIZE(1..150,...)) | Human readable name of the gNB-CU. | YES | ignore |
| Extended gNB-CU Name | O |  | 9.3.1.206 |  | YES | ignore |
| **Cells Allowed to be Deactivated List** |  | *0..1* |  |  | YES | ignore |
| >**Cells Allowed to be Deactivated List Item** |  | *1 .. <maxCellingNBDU>* |  |  | EACH | ignore |
| >>NR CGI | M |  | 9.3.1.12 |  | - |  |
| Predicted CCO Assistance Information | O |  | 9.3.1.A | Indicates predicted CCO Assistance Information for cells and beams served by the gNB-DU of the same NG-RAN node or for cells and beams not served by the gNB-DU. | YES | ignore |
| Neighbour Future Coverage Modification Notification | O |  | Neighbour Future Coverage Modification Notification 9.3.1.C | Indicates Future Coverage Modifications for cells and beams not served by the gNB-DU. | YES | ignore |

|  |  |
| --- | --- |
| Range bound | Explanation |
| maxCellingNBDU | Maximum numbers of cells that can be served by a gNB-DU. Value is 512. |
| maxnoofTNLAssociations | Maximum numbers of TNL Associations between the gNB-CU and the gNB-DU. Value is 32. |
| maxCellineNB | Maximum no. cells that can be served by an eNB. Value is 256. |
| *maxnoofSSBAreas* | Maximum no. SSB Areas that can be served by a cell. Value is 64. |

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

#### 9.3.1.212 Affected Cells and Beams

This IE includes a list of cells and/or SS/PBCH block indexes affected by the detected CCO issue or predicted to be affected by the predicted CCO issue.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IE/Group Name | Presence | Range | IE type and reference | Semantics description |
| **Affected Cell List** |  | *1 .. < maxAffectedCells>* |  |  |
| >NR CGI | M |  | 9.3.1.12 |  |
| **>Affected SSB List** |  | *0..<maxnoofSSBAreas>* |  |  |
| >>SSB Index | M |  | INTEGER (0..63) |  |

| Range bound | Explanation |
| --- | --- |
| maxAffectedCells | Maximum numbers of cells affected by a CCO issue. Value is 32. |
| maxnoofSSBAreas | Maximum no. SSB Areas that can be served by a NG-RAN node cell. Value is 64. |

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

#### 9.3.1.A Predicted CCO Assistance Information

This IE provides predicted assistance information for the future Coverage and Capacity Optimisation (CCO) actions for predicted CCO issues.

| IE/Group Name | Presence | Range | IE type and reference | Semantics description |
| --- | --- | --- | --- | --- |
| Predicted CCO issue | O |  | ENUMERATED (coverage, cell edge capacity, ...) | Indicates the type of predicted CCO issue. |
| Predicted Affected Cells and Beams | O |  | Affected Cells and Beams  9.3.1.212 |  |
| Time for Predicted CCO Issue | O | INTEGER (1..60, ...) |  | Indicates the time when the predicted CCO issue will happen from the time of receiving this information, in seconds. |

#### 9.3.1.B 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 a gNB-DU.

| IE/Group Name | Presence | Range | IE type and reference | Semantics description |
| --- | --- | --- | --- | --- |
| **Future Coverage Modification Notification List** |  | *1* |  |  |
| **>Future Coverage Modification Notification Item** |  | 1..<maxCellingNBDU> |  |  |
| >>NR CGI | M |  | 9.3.1.12 |  |
| >>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. |
| **>>Future SSB Modification Notification List** |  | *0..1* |  |  |
| **>>>Future SSB Modification Notification Item** |  | *1..<maxnoofSSBAreas>* |  |  |
| >>>>SSB Index | M |  | INTEGER (0..63) |  |
| >>>>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 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. |
| >>Future Coverage Modification Cause | O |  | ENUMERATED(coverage, cell edge capacity, …) |  |

|  |  |
| --- | --- |
| Range bound | Explanation |
| maxCellingNBDU | Maximum no. cells that can be served by a gNB-DU. Value is 512. |
| maxnoofSSBAreas | Maximum numbers of SSB Areas that can be served by a NG-RAN node cell. Value is 64. |

#### 9.3.1.C 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..< maxNeighbourCellingReport > |  |  |
| >>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 |
| maxNeighbourCellingReport | Maximum no. neighbour cells for which the future neighbour state can be reported. Value is 512. |
| maxnoofSSBAreas | Maximum numbers of SSB Areas that can be served by a NG-RAN node cell. Value is 64. |

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

### 9.4.4 PDU Definitions

-- ASN1START

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

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-- PDU definitions for F1AP.

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

F1AP-PDU-Contents {

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

ngran-access (22) modules (3) f1ap (3) version1 (1) f1ap-PDU-Contents (1) }

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

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

--

-- IE parameter types from other modules.

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

IMPORTS

AssociatedSessionID,

BroadcastMRBs-FailedToBeModified-Item,

BroadcastMRBs-FailedToBeSetup-Item,

BroadcastMRBs-FailedToBeSetupMod-Item,

BroadcastMRBs-Modified-Item,

BroadcastMRBs-Setup-Item,

BroadcastMRBs-SetupMod-Item,

BroadcastMRBs-ToBeModified-Item,

BroadcastMRBs-ToBeReleased-Item,

BroadcastMRBs-ToBeSetup-Item,

BroadcastMRBs-ToBeSetupMod-Item,

Candidate-SpCell-Item,

Cause,

Cells-Allowed-to-be-Deactivated-List-Item,

Cells-Failed-to-be-Activated-List-Item,

Cells-Status-Item,

Cells-to-be-Activated-List-Item,

Cells-to-be-Deactivated-List-Item,

CellULConfigured,

CriticalityDiagnostics,

C-RNTI,

CUtoDURRCInformation,

DRB-Activity-Item,

DRBs-FailedToBeModified-Item,

DRBs-FailedToBeSetup-Item,

DRBs-FailedToBeSetupMod-Item,

DRB-Notify-Item,

DRBs-ModifiedConf-Item,

DRBs-Modified-Item,

DRBs-Required-ToBeModified-Item,

DRBs-Required-ToBeReleased-Item,

DRBs-Setup-Item,

DRBs-SetupMod-Item,

DRBs-ToBeModified-Item,

DRBs-ToBeReleased-Item,

DRBs-ToBeSetup-Item,

DRBs-ToBeSetupMod-Item,

DRXCycle,

DRXConfigurationIndicator,

DUtoCURRCInformation,

ExecuteDuplication,

FullConfiguration,

GNB-CU-MBS-F1AP-ID,

GNB-CU-UE-F1AP-ID,

GNB-DU-MBS-F1AP-ID,

GNB-DU-UE-F1AP-ID,

GNB-DU-ID,

GNB-DU-Served-Cells-Item,

GNB-CU-Name,

GNB-DU-Name,

InactivityMonitoringRequest,

InactivityMonitoringResponse,

LowerLayerPresenceStatusChange,

MBS-CUtoDURRCInformation,

MBSMulticastF1UContextDescriptor,

MBS-Session-ID,

MBS-ServiceArea,

MulticastF1UContextReferenceCU,

MulticastF1UContext-ToBeSetup-Item,

MulticastF1UContext-Setup-Item,

MulticastF1UContext-FailedToBeSetup-Item,

MulticastMBSSessionList,

MulticastMRBs-ToBeSetup-Item,

MulticastMRBs-Setup-Item,

MulticastMRBs-FailedToBeSetup-Item,

MulticastMRBs-ToBeSetupMod-Item,

MulticastMRBs-ToBeModified-Item,

MulticastMRBs-ToBeReleased-Item,

MulticastMRBs-SetupMod-Item,

MulticastMRBs-FailedToBeSetupMod-Item,

MulticastMRBs-Modified-Item,

MulticastMRBs-FailedToBeModified-Item,

BroadcastAreaScope,

NetworkControlledRepeaterAuthorized,

NRCGI,

UEContextNotRetrievable,

Potential-SpCell-Item,

RANSharingAssistanceInformation,

RAT-FrequencyPriorityInformation,

RequestedSRSTransmissionCharacteristics,

ResourceCoordinationTransferContainer,

RRCContainer,

RRCContainer-RRCSetupComplete,

RRCReconfigurationCompleteIndicator,

SCell-ToBeRemoved-Item,

SCell-ToBeSetup-Item,

SCell-ToBeSetupMod-Item,

SCell-FailedtoSetup-Item,

SCell-FailedtoSetupMod-Item,

SDT-Volume-Threshold,

ServCellIndex,

Served-Cells-To-Add-Item,

Served-Cells-To-Delete-Item,

Served-Cells-To-Modify-Item,

ServingCellMO,

SNSSAI,

SRBID,

SRBs-FailedToBeSetup-Item,

SRBs-FailedToBeSetupMod-Item,

SRBs-Required-ToBeReleased-Item,

SRBs-ToBeReleased-Item,

SRBs-ToBeSetup-Item,

SRBs-ToBeSetupMod-Item,

SRBs-Modified-Item,

SRBs-Setup-Item,

SRBs-SetupMod-Item,

SupportedUETypeList,

TimeToWait,

TransactionID,

TransmissionActionIndicator,

UE-associatedLogicalF1-ConnectionItem,

UEIdentity-List-For-Paging-Item,

DUtoCURRCContainer,

PagingCell-Item,

SItype-List,

UEIdentityIndexValue,

GNB-CU-TNL-Association-Setup-Item,

GNB-CU-TNL-Association-Failed-To-Setup-Item,

GNB-CU-TNL-Association-To-Add-Item,

GNB-CU-TNL-Association-To-Remove-Item,

GNB-CU-TNL-Association-To-Update-Item,

MaskedIMEISV,

PagingDRX,

PagingPriority,

PagingIdentity,

Cells-to-be-Barred-Item,

PWSSystemInformation,

Broadcast-To-Be-Cancelled-Item,

Cells-Broadcast-Cancelled-Item,

NR-CGI-List-For-Restart-Item,

PWS-Failed-NR-CGI-Item,

RepetitionPeriod,

NumberofBroadcastRequest,

Cells-To-Be-Broadcast-Item,

Cells-Broadcast-Completed-Item,

Cancel-all-Warning-Messages-Indicator,

EUTRA-NR-CellResourceCoordinationReq-Container,

EUTRA-NR-CellResourceCoordinationReqAck-Container,

RequestType,

PLMN-Identity,

RLCFailureIndication,

UplinkTxDirectCurrentListInformation,

SULAccessIndication,

Protected-EUTRA-Resources-Item,

GNB-DUConfigurationQuery,

BitRate,

RRC-Version,

GNBDUOverloadInformation,

RRCDeliveryStatusRequest,

NeedforGap,

RRCDeliveryStatus,

ResourceCoordinationTransferInformation,

Dedicated-SIDelivery-NeededUE-Item,

Associated-SCell-Item,

IgnoreResourceCoordinationContainer,

PagingOrigin,

UAC-Assistance-Info,

RANUEID,

GNB-DU-TNL-Association-To-Remove-Item,

NotificationInformation,

TraceActivation,

TraceID,

Neighbour-Cell-Information-Item,

AdditionalRRMPriorityIndex,

DUCURadioInformationType,

CUDURadioInformationType,

Transport-Layer-Address-Info,

BHChannels-ToBeSetup-Item,

BHChannels-Setup-Item,

BHChannels-FailedToBeSetup-Item,

BHChannels-ToBeModified-Item,

BHChannels-ToBeReleased-Item,

BHChannels-ToBeSetupMod-Item,

BHChannels-FailedToBeModified-Item,

BHChannels-FailedToBeSetupMod-Item,

BHChannels-Modified-Item,

BHChannels-SetupMod-Item,

BHChannels-Required-ToBeReleased-Item,

BAPAddress,

BH-Routing-Information-Added-List-Item,

BH-Routing-Information-Removed-List-Item,

Child-Nodes-List,

Activated-Cells-to-be-Updated-List,

UL-BH-Non-UP-Traffic-Mapping,

IABIPv6RequestType,

IAB-TNL-Addresses-To-Remove-Item,

IABTNLAddress,

IAB-Allocated-TNL-Address-Item,

IABv4AddressesRequested,

TrafficMappingInfo,

UL-UP-TNL-Information-to-Update-List-Item,

UL-UP-TNL-Address-to-Update-List-Item,

DL-UP-TNL-Address-to-Update-List-Item,

NRV2XServicesAuthorized,

LTEV2XServicesAuthorized,

NRUESidelinkAggregateMaximumBitrate,

LTEUESidelinkAggregateMaximumBitrate,

SLDRBs-SetupMod-Item,

SLDRBs-ModifiedConf-Item,

SLDRBs-FailedToBeModified-Item,

SLDRBs-FailedToBeSetup-Item,

SLDRBs-FailedToBeSetupMod-Item,

SLDRBs-Modified-Item,

SLDRBs-Required-ToBeModified-Item,

SLDRBs-Required-ToBeReleased-Item,

SLDRBs-Setup-Item,

SLDRBs-ToBeModified-Item,

SLDRBs-ToBeReleased-Item,

SLDRBs-ToBeSetup-Item,

SLDRBs-ToBeSetupMod-Item,

GNBCUMeasurementID,

GNBDUMeasurementID,

RegistrationRequest,

ReportCharacteristics,

CellToReportList,

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id-gNB-DU-ID,

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id-gNB-CU-Name,

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id-MulticastMRBs-FailedToBeModified-Item,

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id-MulticastMRBs-FailedToBeSetupMod-Item,

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id-MulticastF1UContext-ToBeSetup-List,

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id-oldgNB-DU-UE-F1AP-ID,

id-PLMNAssistanceInfoForNetShar,

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id-RAT-FrequencyPriorityInformation,

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id-RRCReconfigurationCompleteIndicator,

id-SCell-FailedtoSetup-List,

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id-SCell-FailedtoSetupMod-Item,

id-SCell-ToBeRemoved-Item,

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id-SCell-ToBeSetup-List,

id-SCell-ToBeSetupMod-Item,

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id-SDT-Termination-Request,

id-SDT-Volume-Threshold,

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id-UE-MulticastMRBs-RequiredToBeReleased-Item,

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id-UE-MulticastMRBs-Setupnew-List,

id-UE-MulticastMRBs-Setupnew-Item,

id-UE-MulticastMRBs-ToBeReleased-List,

id-UE-MulticastMRBs-ToBeReleased-Item,

id-UE-MulticastMRBs-ToBeSetup-atModify-List,

id-UE-MulticastMRBs-ToBeSetup-atModify-Item,

id-UE-MulticastMRBs-ToBeSetup-List,

id-UE-MulticastMRBs-ToBeSetup-Item,

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id-NRCGI,

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id-PagingPriority,

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id-GNB-CU-TNL-Association-Failed-To-Setup-List,

id-GNB-CU-TNL-Association-Failed-To-Setup-Item,

id-GNB-CU-TNL-Association-To-Add-Item,

id-GNB-CU-TNL-Association-To-Add-List,

id-GNB-CU-TNL-Association-To-Remove-Item,

id-GNB-CU-TNL-Association-To-Remove-List,

id-GNB-CU-TNL-Association-To-Update-Item,

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id-Protected-EUTRA-Resources-List,

id-RequestType,

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id-UplinkTxDirectCurrentListInformation,

id-SULAccessIndication,

id-Protected-EUTRA-Resources-Item,

id-GNB-DUConfigurationQuery,

id-GNB-DU-UE-AMBR-UL,

id-GNB-CU-RRC-Version,

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id-GNBDUOverloadInformation,

id-NeedforGap,

id-RRCDeliveryStatusRequest,

id-RRCDeliveryStatus,

id-Dedicated-SIDelivery-NeededUE-List,

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id-ResourceCoordinationTransferInformation,

id-Associated-SCell-List,

id-Associated-SCell-Item,

id-IgnoreResourceCoordinationContainer,

id-UAC-Assistance-Info,

id-RANUEID,

id-PagingOrigin,

id-GNB-DU-TNL-Association-To-Remove-Item,

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id-NotificationInformation,

id-TraceActivation,

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id-Neighbour-Cell-Information-List,

id-Neighbour-Cell-Information-Item,

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id-LowerLayerPresenceStatusChange,

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id-UL-BH-Non-UP-Traffic-Mapping,

id-Child-Nodes-List,

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id-IABIPv6RequestType,

id-IAB-TNL-Addresses-To-Remove-List,

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id-IAB-Allocated-TNL-Address-List,

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id-IABv4AddressesRequested,

id-TrafficMappingInformation,

id-UL-UP-TNL-Information-to-Update-List,

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id-SLDRBs-FailedToBeSetupMod-List,

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id-TNLCapacityIndicator,

id-RAReportList,

id-RLFReportInformationList,

id-ReportingRequestType,

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id-targetCellsToCancel,

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id-ServingNID,

id-PosAssistance-Information,

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id-TRPInformationItem,

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id-Cell-Portion-ID,

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id-RAN-UE-MeasurementID,

id-SFNInitialisationTime,

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id-F1CTransferPath,

id-SCGIndicator,

id-SRSSpatialRelationPerSRSResource,

id-PosMeasurementPeriodicityExtended,

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id-Coverage-Modification-Notification,

id-CCO-Assistance-Information,

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id-IABCongestionIndication,

id-IABConditionalRRCMessageDeliveryIndication,

id-F1CTransferPathNRDC,

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id-IAB-TNL-Addresses-Exception,

id-BAP-Header-Rewriting-Added-List,

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id-PRS-Measurement-Info-List,

id-PRSConfigRequestType,

id-MeasurementCharacteristicsRequestIndicator,

id-MeasurementTimeOccasion,

id-UEReportingInformation,

id-PosContextRevIndication,

id-NRRedCapUEIndication,

id-RANUEPagingDRX,

id-CNUEPagingDRX,

id-NRPagingeDRXInformation,

id-NRPagingeDRXInformationforRRCINACTIVE,

id-QoEInformation,

id-CG-SDTQueryIndication,

id-CG-SDTKeptIndicator,

id-CG-SDTSessionInfoOld,

id-SDTInformation,

id-FiveG-ProSeAuthorized,

id-FiveG-ProSePC5LinkAMBR,

id-FiveG-ProSeUEPC5AggregateMaximumBitrate,

id-UuRLCChannelToBeSetupList,

id-UuRLCChannelToBeModifiedList,

id-UuRLCChannelToBeReleasedList,

id-UuRLCChannelSetupList,

id-UuRLCChannelFailedToBeSetupList,

id-UuRLCChannelModifiedList,

id-UuRLCChannelFailedToBeModifiedList,

id-UuRLCChannelRequiredToBeModifiedList,

id-UuRLCChannelRequiredToBeReleasedList,

id-PC5RLCChannelToBeSetupList,

id-PC5RLCChannelToBeModifiedList,

id-PC5RLCChannelToBeReleasedList,

id-PC5RLCChannelSetupList,

id-PC5RLCChannelFailedToBeSetupList,

id-PC5RLCChannelModifiedList,

id-PC5RLCChannelFailedToBeModifiedList,

id-PC5RLCChannelRequiredToBeModifiedList,

id-PC5RLCChannelRequiredToBeReleasedList,

id-SidelinkRelayConfiguration,

id-UpdatedRemoteUELocalID,

id-PathSwitchConfiguration,

id-PagingCause,

id-PEIPSAssistanceInfo,

id-UEPagingCapability,

id-GNBDUUESliceMaximumBitRateList,

id-PosMeasurementAmount,

id-BAP-Header-Rewriting-Removed-List,

id-BAP-Header-Rewriting-Removed-List-Item,

id-SLDRXCycleList,

id-ManagementBasedMDTPLMNModificationList,

id-ActivationRequestType,

id-PosMeasGapPreConfigList,

id-PosMeasurementPeriodicityNR-AoA,

id-SRSPosRRCInactiveConfig,

id-SDTBearerConfigurationQueryIndication,

id-SDTBearerConfigurationInfo,

id-ServingCellMO-List,

id-ServingCellMO-List-Item,

id-ServingCellMO-encoded-in-CGC-List,

id-PosSItypeList,

id-DAPS-HO-Status,

id-SRBMappingInfo,

id-UplinkTxDirectCurrentTwoCarrierListInfo,

id-SRSPosRRCInactiveQueryIndication,

id-UlTxDirectCurrentMoreCarrierInformation,

id-CPACMCGInformation,

id-ExtendedUEIdentityIndexValue,

id-HashedUEIdentityIndexValue,

id-DedicatedSIDeliveryIndication,

id-Configured-BWP-List,

id-NetworkControlledRepeaterAuthorized,

id-MT-SDT-Information,

id-LTMInformation-Setup,

id-LTMConfigurationIDMappingList,

id-LTMInformation-Modify,

id-LTMCells-ToBeReleased-List,

id-LTMConfiguration,

id-LTMCFRAResourceConfig-List,

id-EarlySyncInformation-Request,

id-EarlySyncInformation,

id-EarlySyncCandidateCellInformation-List,

id-EarlySyncServingCellInformation,

id-LTMCellSwitchInformation,

id-DUtoCUTAInformation-List,

id-CUtoDUTAInformation-List,

id-DeactivationIndication,

id-RAReportIndicationList,

id-SuccessfulPSCellChangeReportInformationList,

id-PathAdditionInformation,

id-RANTSSRequestType,

id-RANTimingSynchronisationStatusInfo,

id-Target-gNB-ID,

id-Target-gNB-IP-address,

id-Target-SeGW-IP-address,

id-Activated-Cells-Mapping-List,

id-Activated-Cells-Mapping-List-Item,

id-F1SetupOutcome,

id-RRC-Terminating-IAB-Donor-Related-Info,

id-RRC-Terminating-IAB-Donor-gNB-ID,

id-NCGI-to-be-Updated-List,

id-NCGI-to-be-Updated-List-Item,

id-Mobile-IAB-MTUserLocationInformation,

id-IndicationMCInactiveReception,

id-MulticastCU2DURRCInfo,

id-MulticastDU2CURRCInfo,

id-MBSMulticastSessionReceptionState,

id-MulticastCU2DUCommonRRCInfo,

id-NRA2XServicesAuthorized,

id-LTEA2XServicesAuthorized,

id-NRUESidelinkAggregateMaximumBitrateForA2X,

id-LTEUESidelinkAggregateMaximumBitrateForA2X,

id-NReRedCapUEIndication,

id-NRPaginglongeDRXInformationforRRCINACTIVE,

id-Target-F1-Terminating-Donor-gNB-ID,

id-Broadcast-MRBs-Transport-Request-List,

id-Broadcast-MRBs-Transport-Request-Item,

id-S-CPAC-Configuration,

id-DLLBTFailureInformationRequest,

id-DLLBTFailureInformationList,

id-SLPositioning-Ranging-Service-Info,

id-TimeWindowInformation-SRS-List,

id-TimeWindowInformation-Measurement-List,

id-SRSPosRRCInactiveValidityAreaConfig,

id-SRSReservationType,

id-RequestedSRSPreconfigurationCharacteristics-List,

id-SRSPreconfiguration-List,

id-SRSInformation,

id-TAInformation-List,

id-NonIntegerDRXCycle,

id-AggregatedPosSRSResourceSetList,

id-RANSharingAssistanceInformation,

id-F1U-PathFailure,

id-Future-Coverage-Modification-Notification,

id-Predicted-CCO-Assistance-Information,

id-NeighbourFutureCoverageModNotification,

maxCellingNBDU,

maxnoofCandidateSpCells,

maxnoofDRBs,

maxnoofIndividualF1ConnectionsToReset,

maxnoofPotentialSpCells,

maxnoofSCells,

maxnoofSRBs,

maxnoofPagingCells,

maxnoofTNLAssociations,

maxCellineNB,

maxnoofUEIDs,

maxnoofBHRLCChannels,

maxnoofRoutingEntries,

maxnoofTLAsIAB,

maxnoofULUPTNLInformationforIAB,

maxnoofUPTNLAddresses,

maxnoofSLDRBs,

maxnoofTRPInfoTypes,

maxnoofTRPs,

maxnoofMRBs,

maxnoofUEIDforPaging,

maxnoofMRBsforUE,

maxnoofServingCellMOs

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

--

-- GNB-DU CONFIGURATION UPDATE ELEMENTARY PROCEDURE

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

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

--

-- GNB-DU CONFIGURATION UPDATE

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

GNBDUConfigurationUpdate::= SEQUENCE {

protocolIEs ProtocolIE-Container { {GNBDUConfigurationUpdateIEs} },

...

}

GNBDUConfigurationUpdateIEs F1AP-PROTOCOL-IES ::= {

{ ID id-TransactionID CRITICALITY reject TYPE TransactionID PRESENCE mandatory }|

{ ID id-Served-Cells-To-Add-List CRITICALITY reject TYPE Served-Cells-To-Add-List PRESENCE optional }|

{ ID id-Served-Cells-To-Modify-List CRITICALITY reject TYPE Served-Cells-To-Modify-List PRESENCE optional }|

{ ID id-Served-Cells-To-Delete-List CRITICALITY reject TYPE Served-Cells-To-Delete-List PRESENCE optional }|

{ ID id-Cells-Status-List CRITICALITY reject TYPE Cells-Status-List PRESENCE optional }|

{ ID id-Dedicated-SIDelivery-NeededUE-List CRITICALITY ignore TYPE Dedicated-SIDelivery-NeededUE-List PRESENCE optional }|

{ ID id-gNB-DU-ID CRITICALITY reject TYPE GNB-DU-ID PRESENCE optional }|

{ ID id-GNB-DU-TNL-Association-To-Remove-List CRITICALITY reject TYPE GNB-DU-TNL-Association-To-Remove-List PRESENCE optional }|

{ ID id-Transport-Layer-Address-Info CRITICALITY ignore TYPE Transport-Layer-Address-Info PRESENCE optional }|

{ ID id-Coverage-Modification-Notification CRITICALITY ignore TYPE Coverage-Modification-Notification PRESENCE optional }|

{ ID id-gNB-DU-Name CRITICALITY ignore TYPE GNB-DU-Name PRESENCE optional }|

{ ID id-Extended-GNB-DU-Name CRITICALITY ignore TYPE Extended-GNB-DU-Name PRESENCE optional }|

{ ID id-RRC-Terminating-IAB-Donor-Related-Info CRITICALITY reject TYPE RRC-Terminating-IAB-Donor-Related-Info PRESENCE optional }|

{ ID id-Mobile-IAB-MTUserLocationInformation CRITICALITY ignore TYPE Mobile-IAB-MTUserLocationInformation PRESENCE optional }|

{ ID id-Future-Coverage-Modification-Notification CRITICALITY ignore TYPE Future-Coverage-Modification-Notification PRESENCE optional }},

...

}

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

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

--

-- GNB-CU CONFIGURATION UPDATE ELEMENTARY PROCEDURE

--

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

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

--

-- GNB-CU CONFIGURATION UPDATE

--

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

GNBCUConfigurationUpdate ::= SEQUENCE {

protocolIEs ProtocolIE-Container { { GNBCUConfigurationUpdateIEs} },

...

}

GNBCUConfigurationUpdateIEs F1AP-PROTOCOL-IES ::= {

{ ID id-TransactionID CRITICALITY reject TYPE TransactionID PRESENCE mandatory }|

{ ID id-Cells-to-be-Activated-List CRITICALITY reject TYPE Cells-to-be-Activated-List PRESENCE optional }|

{ ID id-Cells-to-be-Deactivated-List CRITICALITY reject TYPE Cells-to-be-Deactivated-List PRESENCE optional }|

{ ID id-GNB-CU-TNL-Association-To-Add-List CRITICALITY ignore TYPE GNB-CU-TNL-Association-To-Add-List PRESENCE optional }|

{ ID id-GNB-CU-TNL-Association-To-Remove-List CRITICALITY ignore TYPE GNB-CU-TNL-Association-To-Remove-List PRESENCE optional }|

{ ID id-GNB-CU-TNL-Association-To-Update-List CRITICALITY ignore TYPE GNB-CU-TNL-Association-To-Update-List PRESENCE optional }|

{ ID id-Cells-to-be-Barred-List CRITICALITY ignore TYPE Cells-to-be-Barred-List PRESENCE optional }|

{ ID id-Protected-EUTRA-Resources-List CRITICALITY reject TYPE Protected-EUTRA-Resources-List PRESENCE optional }|

{ ID id-Neighbour-Cell-Information-List CRITICALITY ignore TYPE Neighbour-Cell-Information-List PRESENCE optional }|

{ ID id-Transport-Layer-Address-Info CRITICALITY ignore TYPE Transport-Layer-Address-Info PRESENCE optional }|

{ ID id-UL-BH-Non-UP-Traffic-Mapping CRITICALITY reject TYPE UL-BH-Non-UP-Traffic-Mapping PRESENCE optional }|

{ ID id-BAPAddress CRITICALITY ignore TYPE BAPAddress PRESENCE optional }|

{ ID id-CCO-Assistance-Information CRITICALITY ignore TYPE CCO-Assistance-Information PRESENCE optional }|

{ ID id-CellsForSON-List CRITICALITY ignore TYPE CellsForSON-List PRESENCE optional }|

{ ID id-gNB-CU-Name CRITICALITY ignore TYPE GNB-CU-Name PRESENCE optional }|

{ ID id-Extended-GNB-CU-Name CRITICALITY ignore TYPE Extended-GNB-CU-Name PRESENCE optional }|

{ ID id-Cells-Allowed-to-be-Deactivated-List CRITICALITY ignore TYPE Cells-Allowed-to-be-Deactivated-List PRESENCE optional }|

{ ID id-Predicted-CCO-Assistance-Information CRITICALITY ignore TYPE Predicted-CCO-Assistance-Information PRESENCE optional }|

{ ID id-NeighbourFutureCoverageModNotification CRITICALITY ignore TYPE Neighbour-Future-Coverage-Modification-Notification PRESENCE optional },

...

}

### 9.4.5 Information Element Definitions

-- ASN1START

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

--

-- Information Element Definitions

--

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

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-PRSBandwidthAggregationRequestIndication,

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,

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,

maxNeighbourCellReport

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

-- F

Future-Coverage-Modification-Notification ::= SEQUENCE {

future-coverage-Modification-List Future-Coverage-Modification-List,

iE-Extensions ProtocolExtensionContainer { { Future-Coverage-Modification-Notification-ExtIEs} } OPTIONAL,

...

}

Future-Coverage-Modification-Notification-ExtIEs F1AP-PROTOCOL-EXTENSION ::={

...

}

Future-Coverage-Modification-List ::= SEQUENCE (SIZE (1..maxCellingNBDU)) OF Future-Coverage-Modification-Item

Future-Coverage-Modification-Item ::= SEQUENCE {

nRCGI NRCGI,

futurecellCoverageState FutureCellCoverageState,

futureSSBCoverageModificationList FutureSSBCoverageModification-List OPTIONAL,

timeforFutureCoverageModificaiton TimeforFutureCoverageModification OPTIONAL,

futureCoverageModificationCause Predicted-CCO-issue-detection OPTIONAL,

iE-Extension ProtocolExtensionContainer { { Future-Coverage-Modification-Item-ExtIEs} } OPTIONAL,

...

}

Future-Coverage-Modification-Item-ExtIEs F1AP-PROTOCOL-EXTENSION ::= {

...

}

FutureCellCoverageState ::= INTEGER (0..63, ...)

FutureSSBCoverageModification-List ::= SEQUENCE (SIZE (1..maxnoofSSBAreas)) OF FutureSSBCoverageModification-Item

FutureSSBCoverageModification-Item::= SEQUENCE {

sSBIndex INTEGER(0..63),

futureSSBCoverageState FutureSSBCoverageState,

iE-Extensions ProtocolExtensionContainer { { FutureSSBCoverageModification-Item-ExtIEs} } OPTIONAL,

...

}

FutureSSBCoverageModification-Item-ExtIEs F1AP-PROTOCOL-EXTENSION ::= {

...

}

FutureSSBCoverageState ::= INTEGER (0..15, ...)

-- N

Neighbour-Future-Coverage-Modification-Notification ::= SEQUENCE {

neighbour-future-coverage-Modification-List Neighbour-Future-Coverage-Modification-List,

iE-Extensions ProtocolExtensionContainer { { Neighbour-Future-Coverage-Modification-Notification-ExtIEs} } OPTIONAL,

...

}

Neighbour-Future-Coverage-Modification-Notification-ExtIEs F1AP-PROTOCOL-EXTENSION ::={

...

}

Neighbour-Future-Coverage-Modification-List ::= SEQUENCE (SIZE (1.. maxNeighbourCellReport)) OF Neighbour-Future-Coverage-Modification-Item

Neighbour-Future-Coverage-Modification-Item ::= SEQUENCE {

nRCGI NRCGI,

neighbourfuturecellCoverageState NeighbourFutureCellCoverageState,

neighbourfutureSSBCoverageModificationList NeighbourFutureSSBCoverageModification-List OPTIONAL,

timeforneighbourFutureCoverageModificaiton TimeforNeighbourFutureCoverageModification OPTIONAL,

iE-Extension ProtocolExtensionContainer { { Neighbour-Future-Coverage-Modification-Item-ExtIEs} } OPTIONAL,

...

}

Neighbour-Future-Coverage-Modification-Item-ExtIEs F1AP-PROTOCOL-EXTENSION ::= {

...

}

NeighbourFutureCellCoverageState ::= INTEGER (0..63, ...)

NeighbourFutureSSBCoverageModification-List ::= SEQUENCE (SIZE (1..maxnoofSSBAreas)) OF NeighbourFutureSSBCoverageModification-Item

NeighbourFutureSSBCoverageModification-Item::= SEQUENCE {

sSBIndex INTEGER(0..63),

neighbourfutureSSBCoverageState NeighbourFutureSSBCoverageState,

iE-Extensions ProtocolExtensionContainer { { NeighbourFutureSSBCoverageModification-Item-ExtIEs} } OPTIONAL,

...

}

NeighbourFutureSSBCoverageModification-Item-ExtIEs F1AP-PROTOCOL-EXTENSION ::= {

...

}

NeighbourFutureSSBCoverageState ::= INTEGER (0..15, ...)

-- T

TimeforFutureCoverageModification ::= INTEGER (1..60, ...)

TimeforPredictedCCOIssue ::= INTEGER (1..60, ...)

TimeforNeighbourFutureCoverageModification ::= INTEGER (1..60, ...)

-- P

Predicted-CCO-Assistance-Information ::= SEQUENCE {

predicted-CCO-issue-detection Predicted-CCO-issue-detection OPTIONAL,

predictedAffectedCellsAndBeams-List AffectedCellsAndBeams-List OPTIONAL,

timeforPredictedCCOIssue TimeforPredictedCCOIssue, OPTIONAL,

iE-Extensions ProtocolExtensionContainer { { Predicted-CCO-Assistance-Information-ExtIEs} } OPTIONAL,

...

}

Predicted-CCO-Assistance-Information-ExtIEs F1AP-PROTOCOL-EXTENSION ::={

...

}

Predicted-CCO-issue-detection ::= ENUMERATED {coverage, cell-edge-capacity, ...}

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

### 9.4.7 Constant Definitions

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

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

--

-- IEs

--

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

id-Cause ProtocolIE-ID ::= 0

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

id-Cells-Failed-to-be-Activated-List-Item ProtocolIE-ID ::= 2

id-Cells-to-be-Activated-List ProtocolIE-ID ::= 3

id-Cells-to-be-Activated-List-Item ProtocolIE-ID ::= 4

id-Cells-to-be-Deactivated-List ProtocolIE-ID ::= 5

id-Cells-to-be-Deactivated-List-Item ProtocolIE-ID ::= 6

id-CriticalityDiagnostics ProtocolIE-ID ::= 7

id-CUtoDURRCInformation ProtocolIE-ID ::= 9

id-DRBs-FailedToBeModified-Item ProtocolIE-ID ::= 12

id-DRBs-FailedToBeModified-List ProtocolIE-ID ::= 13

id-DRBs-FailedToBeSetup-Item ProtocolIE-ID ::= 14

id-DRBs-FailedToBeSetup-List ProtocolIE-ID ::= 15

id-DRBs-FailedToBeSetupMod-Item ProtocolIE-ID ::= 16

id-DRBs-FailedToBeSetupMod-List ProtocolIE-ID ::= 17

id-DRBs-ModifiedConf-Item ProtocolIE-ID ::= 18

id-DRBs-ModifiedConf-List ProtocolIE-ID ::= 19

id-DRBs-Modified-Item ProtocolIE-ID ::= 20

id-DRBs-Modified-List ProtocolIE-ID ::= 21

id-DRBs-Required-ToBeModified-Item ProtocolIE-ID ::= 22

id-DRBs-Required-ToBeModified-List ProtocolIE-ID ::= 23

id-DRBs-Required-ToBeReleased-Item ProtocolIE-ID ::= 24

id-DRBs-Required-ToBeReleased-List ProtocolIE-ID ::= 25

id-DRBs-Setup-Item ProtocolIE-ID ::= 26

id-DRBs-Setup-List ProtocolIE-ID ::= 27

id-DRBs-SetupMod-Item ProtocolIE-ID ::= 28

id-DRBs-SetupMod-List ProtocolIE-ID ::= 29

id-DRBs-ToBeModified-Item ProtocolIE-ID ::= 30

id-DRBs-ToBeModified-List ProtocolIE-ID ::= 31

id-DRBs-ToBeReleased-Item ProtocolIE-ID ::= 32

id-DRBs-ToBeReleased-List ProtocolIE-ID ::= 33

id-DRBs-ToBeSetup-Item ProtocolIE-ID ::= 34

id-DRBs-ToBeSetup-List ProtocolIE-ID ::= 35

id-DRBs-ToBeSetupMod-Item ProtocolIE-ID ::= 36

id-DRBs-ToBeSetupMod-List ProtocolIE-ID ::= 37

id-DRXCycle ProtocolIE-ID ::= 38

id-DUtoCURRCInformation ProtocolIE-ID ::= 39

id-gNB-CU-UE-F1AP-ID ProtocolIE-ID ::= 40

id-gNB-DU-UE-F1AP-ID ProtocolIE-ID ::= 41

id-gNB-DU-ID ProtocolIE-ID ::= 42

id-GNB-DU-Served-Cells-Item ProtocolIE-ID ::= 43

id-gNB-DU-Served-Cells-List ProtocolIE-ID ::= 44

id-gNB-DU-Name ProtocolIE-ID ::= 45

id-ProtocolIE-ID-46-not-to-be-used ProtocolIE-ID ::= 46

id-oldgNB-DU-UE-F1AP-ID ProtocolIE-ID ::= 47

id-ResetType ProtocolIE-ID ::= 48

id-ResourceCoordinationTransferContainer ProtocolIE-ID ::= 49

id-RRCContainer ProtocolIE-ID ::= 50

id-SCell-ToBeRemoved-Item ProtocolIE-ID ::= 51

id-SCell-ToBeRemoved-List ProtocolIE-ID ::= 52

id-SCell-ToBeSetup-Item ProtocolIE-ID ::= 53

id-SCell-ToBeSetup-List ProtocolIE-ID ::= 54

id-SCell-ToBeSetupMod-Item ProtocolIE-ID ::= 55

id-SCell-ToBeSetupMod-List ProtocolIE-ID ::= 56

id-Served-Cells-To-Add-Item ProtocolIE-ID ::= 57

id-Served-Cells-To-Add-List ProtocolIE-ID ::= 58

id-Served-Cells-To-Delete-Item ProtocolIE-ID ::= 59

id-Served-Cells-To-Delete-List ProtocolIE-ID ::= 60

id-Served-Cells-To-Modify-Item ProtocolIE-ID ::= 61

id-Served-Cells-To-Modify-List ProtocolIE-ID ::= 62

id-SpCell-ID ProtocolIE-ID ::= 63

id-SRBID ProtocolIE-ID ::= 64

id-SRBs-FailedToBeSetup-Item ProtocolIE-ID ::= 65

id-SRBs-FailedToBeSetup-List ProtocolIE-ID ::= 66

id-SRBs-FailedToBeSetupMod-Item ProtocolIE-ID ::= 67

id-SRBs-FailedToBeSetupMod-List ProtocolIE-ID ::= 68

id-SRBs-Required-ToBeReleased-Item ProtocolIE-ID ::= 69

id-SRBs-Required-ToBeReleased-List ProtocolIE-ID ::= 70

id-SRBs-ToBeReleased-Item ProtocolIE-ID ::= 71

id-SRBs-ToBeReleased-List ProtocolIE-ID ::= 72

id-SRBs-ToBeSetup-Item ProtocolIE-ID ::= 73

id-SRBs-ToBeSetup-List ProtocolIE-ID ::= 74

id-SRBs-ToBeSetupMod-Item ProtocolIE-ID ::= 75

id-SRBs-ToBeSetupMod-List ProtocolIE-ID ::= 76

id-TimeToWait ProtocolIE-ID ::= 77

id-TransactionID ProtocolIE-ID ::= 78

id-TransmissionActionIndicator ProtocolIE-ID ::= 79

id-UE-associatedLogicalF1-ConnectionItem ProtocolIE-ID ::= 80

id-UE-associatedLogicalF1-ConnectionListResAck ProtocolIE-ID ::= 81

id-gNB-CU-Name ProtocolIE-ID ::= 82

id-SCell-FailedtoSetup-List ProtocolIE-ID ::= 83

id-SCell-FailedtoSetup-Item ProtocolIE-ID ::= 84

id-SCell-FailedtoSetupMod-List ProtocolIE-ID ::= 85

id-SCell-FailedtoSetupMod-Item ProtocolIE-ID ::= 86

id-RRCReconfigurationCompleteIndicator ProtocolIE-ID ::= 87

id-Cells-Status-Item ProtocolIE-ID ::= 88

id-Cells-Status-List ProtocolIE-ID ::= 89

id-Candidate-SpCell-List ProtocolIE-ID ::= 90

id-Candidate-SpCell-Item ProtocolIE-ID ::= 91

id-Potential-SpCell-List ProtocolIE-ID ::= 92

id-Potential-SpCell-Item ProtocolIE-ID ::= 93

id-FullConfiguration ProtocolIE-ID ::= 94

id-C-RNTI ProtocolIE-ID ::= 95

id-SpCellULConfigured ProtocolIE-ID ::= 96

id-InactivityMonitoringRequest ProtocolIE-ID ::= 97

id-InactivityMonitoringResponse ProtocolIE-ID ::= 98

id-DRB-Activity-Item ProtocolIE-ID ::= 99

id-DRB-Activity-List ProtocolIE-ID ::= 100

id-EUTRA-NR-CellResourceCoordinationReq-Container ProtocolIE-ID ::= 101

id-EUTRA-NR-CellResourceCoordinationReqAck-Container ProtocolIE-ID ::= 102

id-Protected-EUTRA-Resources-List ProtocolIE-ID ::= 105

id-RequestType ProtocolIE-ID ::= 106

id-ServCellIndex ProtocolIE-ID ::= 107

id-RAT-FrequencyPriorityInformation ProtocolIE-ID ::= 108

id-ExecuteDuplication ProtocolIE-ID ::= 109

id-NRCGI ProtocolIE-ID ::= 111

id-PagingCell-Item ProtocolIE-ID ::= 112

id-PagingCell-List ProtocolIE-ID ::= 113

id-PagingDRX ProtocolIE-ID ::= 114

id-PagingPriority ProtocolIE-ID ::= 115

id-SItype-List ProtocolIE-ID ::= 116

id-UEIdentityIndexValue ProtocolIE-ID ::= 117

id-gNB-CUSystemInformation ProtocolIE-ID ::= 118

id-HandoverPreparationInformation ProtocolIE-ID ::= 119

id-GNB-CU-TNL-Association-To-Add-Item ProtocolIE-ID ::= 120

id-GNB-CU-TNL-Association-To-Add-List ProtocolIE-ID ::= 121

id-GNB-CU-TNL-Association-To-Remove-Item ProtocolIE-ID ::= 122

id-GNB-CU-TNL-Association-To-Remove-List ProtocolIE-ID ::= 123

id-GNB-CU-TNL-Association-To-Update-Item ProtocolIE-ID ::= 124

id-GNB-CU-TNL-Association-To-Update-List ProtocolIE-ID ::= 125

id-MaskedIMEISV ProtocolIE-ID ::= 126

id-PagingIdentity ProtocolIE-ID ::= 127

id-DUtoCURRCContainer ProtocolIE-ID ::= 128

id-Cells-to-be-Barred-List ProtocolIE-ID ::= 129

id-Cells-to-be-Barred-Item ProtocolIE-ID ::= 130

id-TAISliceSupportList ProtocolIE-ID ::= 131

id-GNB-CU-TNL-Association-Setup-List ProtocolIE-ID ::= 132

id-GNB-CU-TNL-Association-Setup-Item ProtocolIE-ID ::= 133

id-GNB-CU-TNL-Association-Failed-To-Setup-List ProtocolIE-ID ::= 134

id-GNB-CU-TNL-Association-Failed-To-Setup-Item ProtocolIE-ID ::= 135

id-DRB-Notify-Item ProtocolIE-ID ::= 136

id-DRB-Notify-List ProtocolIE-ID ::= 137

id-ProtocolIE-ID-138-not-to-be-used ProtocolIE-ID ::= 138

id-RANAC ProtocolIE-ID ::= 139

id-PWSSystemInformation ProtocolIE-ID ::= 140

id-RepetitionPeriod ProtocolIE-ID ::= 141

id-NumberofBroadcastRequest ProtocolIE-ID ::= 142

id-Cells-To-Be-Broadcast-List ProtocolIE-ID ::= 144

id-Cells-To-Be-Broadcast-Item ProtocolIE-ID ::= 145

id-Cells-Broadcast-Completed-List ProtocolIE-ID ::= 146

id-Cells-Broadcast-Completed-Item ProtocolIE-ID ::= 147

id-Broadcast-To-Be-Cancelled-List ProtocolIE-ID ::= 148

id-Broadcast-To-Be-Cancelled-Item ProtocolIE-ID ::= 149

id-Cells-Broadcast-Cancelled-List ProtocolIE-ID ::= 150

id-Cells-Broadcast-Cancelled-Item ProtocolIE-ID ::= 151

id-NR-CGI-List-For-Restart-List ProtocolIE-ID ::= 152

id-NR-CGI-List-For-Restart-Item ProtocolIE-ID ::= 153

id-PWS-Failed-NR-CGI-List ProtocolIE-ID ::= 154

id-PWS-Failed-NR-CGI-Item ProtocolIE-ID ::= 155

id-ConfirmedUEID ProtocolIE-ID ::= 156

id-Cancel-all-Warning-Messages-Indicator ProtocolIE-ID ::= 157

id-GNB-DU-UE-AMBR-UL ProtocolIE-ID ::= 158

id-DRXConfigurationIndicator ProtocolIE-ID ::= 159

id-RLC-Status ProtocolIE-ID ::= 160

id-DLPDCPSNLength ProtocolIE-ID ::= 161

id-GNB-DUConfigurationQuery ProtocolIE-ID ::= 162

id-MeasurementTimingConfiguration ProtocolIE-ID ::= 163

id-DRB-Information ProtocolIE-ID ::= 164

id-ServingPLMN ProtocolIE-ID ::= 165

id-Protected-EUTRA-Resources-Item ProtocolIE-ID ::= 168

id-GNB-CU-RRC-Version ProtocolIE-ID ::= 170

id-GNB-DU-RRC-Version ProtocolIE-ID ::= 171

id-GNBDUOverloadInformation ProtocolIE-ID ::= 172

id-CellGroupConfig ProtocolIE-ID ::= 173

id-RLCFailureIndication ProtocolIE-ID ::= 174

id-UplinkTxDirectCurrentListInformation ProtocolIE-ID ::= 175

id-DC-Based-Duplication-Configured ProtocolIE-ID ::= 176

id-DC-Based-Duplication-Activation ProtocolIE-ID ::= 177

id-SULAccessIndication ProtocolIE-ID ::= 178

id-AvailablePLMNList ProtocolIE-ID ::= 179

id-PDUSessionID ProtocolIE-ID ::= 180

id-ULPDUSessionAggregateMaximumBitRate ProtocolIE-ID ::= 181

id-ServingCellMO ProtocolIE-ID ::= 182

id-QoSFlowMappingIndication ProtocolIE-ID ::= 183

id-RRCDeliveryStatusRequest ProtocolIE-ID ::= 184

id-RRCDeliveryStatus ProtocolIE-ID ::= 185

id-BearerTypeChange ProtocolIE-ID ::= 186

id-RLCMode ProtocolIE-ID ::= 187

id-Duplication-Activation ProtocolIE-ID ::= 188

id-Dedicated-SIDelivery-NeededUE-List ProtocolIE-ID ::= 189

id-Dedicated-SIDelivery-NeededUE-Item ProtocolIE-ID ::= 190

id-DRX-LongCycleStartOffset ProtocolIE-ID ::= 191

id-ULPDCPSNLength ProtocolIE-ID ::= 192

id-SelectedBandCombinationIndex ProtocolIE-ID ::= 193

id-SelectedFeatureSetEntryIndex ProtocolIE-ID ::= 194

id-ResourceCoordinationTransferInformation ProtocolIE-ID ::= 195

id-ExtendedServedPLMNs-List ProtocolIE-ID ::= 196

id-ExtendedAvailablePLMN-List ProtocolIE-ID ::= 197

id-Associated-SCell-List ProtocolIE-ID ::= 198

id-latest-RRC-Version-Enhanced ProtocolIE-ID ::= 199

id-Associated-SCell-Item ProtocolIE-ID ::= 200

id-Cell-Direction ProtocolIE-ID ::= 201

id-SRBs-Setup-List ProtocolIE-ID ::= 202

id-SRBs-Setup-Item ProtocolIE-ID ::= 203

id-SRBs-SetupMod-List ProtocolIE-ID ::= 204

id-SRBs-SetupMod-Item ProtocolIE-ID ::= 205

id-SRBs-Modified-List ProtocolIE-ID ::= 206

id-SRBs-Modified-Item ProtocolIE-ID ::= 207

id-Ph-InfoSCG ProtocolIE-ID ::= 208

id-RequestedBandCombinationIndex ProtocolIE-ID ::= 209

id-RequestedFeatureSetEntryIndex ProtocolIE-ID ::= 210

id-RequestedP-MaxFR2 ProtocolIE-ID ::= 211

id-DRX-Config ProtocolIE-ID ::= 212

id-IgnoreResourceCoordinationContainer ProtocolIE-ID ::= 213

id-UEAssistanceInformation ProtocolIE-ID ::= 214

id-NeedforGap ProtocolIE-ID ::= 215

id-PagingOrigin ProtocolIE-ID ::= 216

id-new-gNB-CU-UE-F1AP-ID ProtocolIE-ID ::= 217

id-RedirectedRRCmessage ProtocolIE-ID ::= 218

id-new-gNB-DU-UE-F1AP-ID ProtocolIE-ID ::= 219

id-NotificationInformation ProtocolIE-ID ::= 220

id-PLMNAssistanceInfoForNetShar ProtocolIE-ID ::= 221

id-UEContextNotRetrievable ProtocolIE-ID ::= 222

id-BPLMN-ID-Info-List ProtocolIE-ID ::= 223

id-SelectedPLMNID ProtocolIE-ID ::= 224

id-UAC-Assistance-Info ProtocolIE-ID ::= 225

id-RANUEID ProtocolIE-ID ::= 226

id-GNB-DU-TNL-Association-To-Remove-Item ProtocolIE-ID ::= 227

id-GNB-DU-TNL-Association-To-Remove-List ProtocolIE-ID ::= 228

id-TNLAssociationTransportLayerAddressgNBDU ProtocolIE-ID ::= 229

id-portNumber ProtocolIE-ID ::= 230

id-AdditionalSIBMessageList ProtocolIE-ID ::= 231

id-Cell-Type ProtocolIE-ID ::= 232

id-IgnorePRACHConfiguration ProtocolIE-ID ::= 233

id-CG-Config ProtocolIE-ID ::= 234

id-PDCCH-BlindDetectionSCG ProtocolIE-ID ::= 235

id-Requested-PDCCH-BlindDetectionSCG ProtocolIE-ID ::= 236

id-Ph-InfoMCG ProtocolIE-ID ::= 237

id-MeasGapSharingConfig ProtocolIE-ID ::= 238

id-systemInformationAreaID ProtocolIE-ID ::= 239

id-areaScope ProtocolIE-ID ::= 240

id-RRCContainer-RRCSetupComplete ProtocolIE-ID ::= 241

id-TraceActivation ProtocolIE-ID ::= 242

id-TraceID ProtocolIE-ID ::= 243

id-Neighbour-Cell-Information-List ProtocolIE-ID ::= 244

id-ProtocolIE-ID-246-not-to-be-used ProtocolIE-ID ::= 246

id-ProtocolIE-ID-247-not-to-be-used ProtocolIE-ID ::= 247

id-AdditionalRRMPriorityIndex ProtocolIE-ID ::= 248

id-DUCURadioInformationType ProtocolIE-ID ::= 249

id-CUDURadioInformationType ProtocolIE-ID ::= 250

id-AggressorgNBSetID ProtocolIE-ID ::= 251

id-VictimgNBSetID ProtocolIE-ID ::= 252

id-LowerLayerPresenceStatusChange ProtocolIE-ID ::= 253

id-Transport-Layer-Address-Info ProtocolIE-ID ::= 254

id-Neighbour-Cell-Information-Item ProtocolIE-ID ::= 255

id-IntendedTDD-DL-ULConfig ProtocolIE-ID ::= 256

id-QosMonitoringRequest ProtocolIE-ID ::= 257

id-BHChannels-ToBeSetup-List ProtocolIE-ID ::= 258

id-BHChannels-ToBeSetup-Item ProtocolIE-ID ::= 259

id-BHChannels-Setup-List ProtocolIE-ID ::= 260

id-BHChannels-Setup-Item ProtocolIE-ID ::= 261

id-BHChannels-ToBeModified-Item ProtocolIE-ID ::= 262

id-BHChannels-ToBeModified-List ProtocolIE-ID ::= 263

id-BHChannels-ToBeReleased-Item ProtocolIE-ID ::= 264

id-BHChannels-ToBeReleased-List ProtocolIE-ID ::= 265

id-BHChannels-ToBeSetupMod-Item ProtocolIE-ID ::= 266

id-BHChannels-ToBeSetupMod-List ProtocolIE-ID ::= 267

id-BHChannels-FailedToBeModified-Item ProtocolIE-ID ::= 268

id-BHChannels-FailedToBeModified-List ProtocolIE-ID ::= 269

id-BHChannels-FailedToBeSetupMod-Item ProtocolIE-ID ::= 270

id-BHChannels-FailedToBeSetupMod-List ProtocolIE-ID ::= 271

id-BHChannels-Modified-Item ProtocolIE-ID ::= 272

id-BHChannels-Modified-List ProtocolIE-ID ::= 273

id-BHChannels-SetupMod-Item ProtocolIE-ID ::= 274

id-BHChannels-SetupMod-List ProtocolIE-ID ::= 275

id-BHChannels-Required-ToBeReleased-Item ProtocolIE-ID ::= 276

id-BHChannels-Required-ToBeReleased-List ProtocolIE-ID ::= 277

id-BHChannels-FailedToBeSetup-Item ProtocolIE-ID ::= 278

id-BHChannels-FailedToBeSetup-List ProtocolIE-ID ::= 279

id-BHInfo ProtocolIE-ID ::= 280

id-BAPAddress ProtocolIE-ID ::= 281

id-ConfiguredBAPAddress ProtocolIE-ID ::= 282

id-BH-Routing-Information-Added-List ProtocolIE-ID ::= 283

id-BH-Routing-Information-Added-List-Item ProtocolIE-ID ::= 284

id-BH-Routing-Information-Removed-List ProtocolIE-ID ::= 285

id-BH-Routing-Information-Removed-List-Item ProtocolIE-ID ::= 286

id-UL-BH-Non-UP-Traffic-Mapping ProtocolIE-ID ::= 287

id-Activated-Cells-to-be-Updated-List ProtocolIE-ID ::= 288

id-Child-Nodes-List ProtocolIE-ID ::= 289

id-IAB-Info-IAB-DU ProtocolIE-ID ::= 290

id-IAB-Info-IAB-donor-CU ProtocolIE-ID ::= 291

id-IAB-TNL-Addresses-To-Remove-List ProtocolIE-ID ::= 292

id-IAB-TNL-Addresses-To-Remove-Item ProtocolIE-ID ::= 293

id-IAB-Allocated-TNL-Address-List ProtocolIE-ID ::= 294

id-IAB-Allocated-TNL-Address-Item ProtocolIE-ID ::= 295

id-IABIPv6RequestType ProtocolIE-ID ::= 296

id-IABv4AddressesRequested ProtocolIE-ID ::= 297

id-IAB-Barred ProtocolIE-ID ::= 298

id-TrafficMappingInformation ProtocolIE-ID ::= 299

id-UL-UP-TNL-Information-to-Update-List ProtocolIE-ID ::= 300

id-UL-UP-TNL-Information-to-Update-List-Item ProtocolIE-ID ::= 301

id-UL-UP-TNL-Address-to-Update-List ProtocolIE-ID ::= 302

id-UL-UP-TNL-Address-to-Update-List-Item ProtocolIE-ID ::= 303

id-DL-UP-TNL-Address-to-Update-List ProtocolIE-ID ::= 304

id-DL-UP-TNL-Address-to-Update-List-Item ProtocolIE-ID ::= 305

id-NRV2XServicesAuthorized ProtocolIE-ID ::= 306

id-LTEV2XServicesAuthorized ProtocolIE-ID ::= 307

id-NRUESidelinkAggregateMaximumBitrate ProtocolIE-ID ::= 308

id-LTEUESidelinkAggregateMaximumBitrate ProtocolIE-ID ::= 309

id-SIB12-message ProtocolIE-ID ::= 310

id-SIB13-message ProtocolIE-ID ::= 311

id-SIB14-message ProtocolIE-ID ::= 312

id-SLDRBs-FailedToBeModified-Item ProtocolIE-ID ::= 313

id-SLDRBs-FailedToBeModified-List ProtocolIE-ID ::= 314

id-SLDRBs-FailedToBeSetup-Item ProtocolIE-ID ::= 315

id-SLDRBs-FailedToBeSetup-List ProtocolIE-ID ::= 316

id-SLDRBs-Modified-Item ProtocolIE-ID ::= 317

id-SLDRBs-Modified-List ProtocolIE-ID ::= 318

id-SLDRBs-Required-ToBeModified-Item ProtocolIE-ID ::= 319

id-SLDRBs-Required-ToBeModified-List ProtocolIE-ID ::= 320

id-SLDRBs-Required-ToBeReleased-Item ProtocolIE-ID ::= 321

id-SLDRBs-Required-ToBeReleased-List ProtocolIE-ID ::= 322

id-SLDRBs-Setup-Item ProtocolIE-ID ::= 323

id-SLDRBs-Setup-List ProtocolIE-ID ::= 324

id-SLDRBs-ToBeModified-Item ProtocolIE-ID ::= 325

id-SLDRBs-ToBeModified-List ProtocolIE-ID ::= 326

id-SLDRBs-ToBeReleased-Item ProtocolIE-ID ::= 327

id-SLDRBs-ToBeReleased-List ProtocolIE-ID ::= 328

id-SLDRBs-ToBeSetup-Item ProtocolIE-ID ::= 329

id-SLDRBs-ToBeSetup-List ProtocolIE-ID ::= 330

id-SLDRBs-ToBeSetupMod-Item ProtocolIE-ID ::= 331

id-SLDRBs-ToBeSetupMod-List ProtocolIE-ID ::= 332

id-SLDRBs-SetupMod-List ProtocolIE-ID ::= 333

id-SLDRBs-FailedToBeSetupMod-List ProtocolIE-ID ::= 334

id-SLDRBs-SetupMod-Item ProtocolIE-ID ::= 335

id-SLDRBs-FailedToBeSetupMod-Item ProtocolIE-ID ::= 336

id-SLDRBs-ModifiedConf-List ProtocolIE-ID ::= 337

id-SLDRBs-ModifiedConf-Item ProtocolIE-ID ::= 338

id-UEAssistanceInformationEUTRA ProtocolIE-ID ::= 339

id-PC5LinkAMBR ProtocolIE-ID ::= 340

id-SL-PHY-MAC-RLC-Config ProtocolIE-ID ::= 341

id-SL-ConfigDedicatedEUTRA-Info ProtocolIE-ID ::= 342

id-AlternativeQoSParaSetList ProtocolIE-ID ::= 343

id-CurrentQoSParaSetIndex ProtocolIE-ID ::= 344

id-gNBCUMeasurementID ProtocolIE-ID ::= 345

id-gNBDUMeasurementID ProtocolIE-ID ::= 346

id-RegistrationRequest ProtocolIE-ID ::= 347

id-ReportCharacteristics ProtocolIE-ID ::= 348

id-CellToReportList ProtocolIE-ID ::= 349

id-CellMeasurementResultList ProtocolIE-ID ::= 350

id-HardwareLoadIndicator ProtocolIE-ID ::= 351

id-ReportingPeriodicity ProtocolIE-ID ::= 352

id-TNLCapacityIndicator ProtocolIE-ID ::= 353

id-CarrierList ProtocolIE-ID ::= 354

id-ULCarrierList ProtocolIE-ID ::= 355

id-FrequencyShift7p5khz ProtocolIE-ID ::= 356

id-SSB-PositionsInBurst ProtocolIE-ID ::= 357

id-NRPRACHConfig ProtocolIE-ID ::= 358

id-RAReportList ProtocolIE-ID ::= 359

id-RLFReportInformationList ProtocolIE-ID ::= 360

id-TDD-UL-DLConfigCommonNR ProtocolIE-ID ::= 361

id-CNPacketDelayBudgetDownlink ProtocolIE-ID ::= 362

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id-PC5RLCChannelToBeReleasedList ProtocolIE-ID ::= 610

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id-PC5RLCChannelFailedToBeSetupList ProtocolIE-ID ::= 612

id-PC5RLCChannelFailedToBeModifiedList ProtocolIE-ID ::= 613

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id-Broadcast-MRBs-Transport-Request-Item ProtocolIE-ID ::= 790

id-S-CPACLowerLayerReferenceConfigRequest ProtocolIE-ID ::= 791

id-S-CPAC-Configuration ProtocolIE-ID ::= 792

id-MusimCandidateBandList ProtocolIE-ID ::= 793

id-DLLBTFailureInformationRequest ProtocolIE-ID ::= 794

id-DLLBTFailureInformationList ProtocolIE-ID ::= 795

id-PSIbasedSDUdiscardUL ProtocolIE-ID ::= 796

id-SIB22-message ProtocolIE-ID ::= 797

id-CUtoDUTAInformation-List ProtocolIE-ID ::= 798

id-U2URLCChannelQoS ProtocolIE-ID ::= 799

id-SL-PHY-MAC-RLC-ConfigExt ProtocolIE-ID ::= 800

id-SLPositioning-Ranging-Service-Info ProtocolIE-ID ::= 801

id-TimeWindowInformation-SRS-List ProtocolIE-ID ::= 802

id-TimeWindowInformation-Measurement-List ProtocolIE-ID ::= 803

id-UL-RSCP ProtocolIE-ID ::= 804

id-BW-Aggregation-Request-Indication ProtocolIE-ID ::= 805

id-ReportingGranularitykminus1 ProtocolIE-ID ::= 806

id-ReportingGranularitykminus2 ProtocolIE-ID ::= 807

id-ReportingGranularitykminus1additionalpath ProtocolIE-ID ::= 808

id-ReportingGranularitykminus2additionalpath ProtocolIE-ID ::= 809

id-TimingReportingGranularityFactorExtended ProtocolIE-ID ::= 810

id-SRSPosRRCInactiveValidityAreaConfig ProtocolIE-ID ::= 811

id-PosValidityAreaCellList ProtocolIE-ID ::= 812

id-SRSReservationType ProtocolIE-ID ::= 813

id-SymbolIndex ProtocolIE-ID ::= 814

id-PRSBandwidthAggregationRequestIndication ProtocolIE-ID ::= 815

id-AggregatedPosSRSResourceIDList ProtocolIE-ID ::= 816

id-AggregatedPRSResourceSetList ProtocolIE-ID ::= 817

id-PhaseQuality ProtocolIE-ID ::= 818

id-MeasuredFrequencyHops ProtocolIE-ID ::= 819

id-TxHoppingConfiguration ProtocolIE-ID ::= 820

id-ReportingGranularitykminus3 ProtocolIE-ID ::= 821

id-ReportingGranularitykminus4 ProtocolIE-ID ::= 822

id-ReportingGranularitykminus5 ProtocolIE-ID ::= 823

id-ReportingGranularitykminus6 ProtocolIE-ID ::= 824

id-ReportingGranularitykminus3additionalpath ProtocolIE-ID ::= 825

id-ReportingGranularitykminus4additionalpath ProtocolIE-ID ::= 826

id-ReportingGranularitykminus5additionalpath ProtocolIE-ID ::= 827

id-ReportingGranularitykminus6additionalpath ProtocolIE-ID ::= 828

id-AggregatedPosSRSResourceSetList ProtocolIE-ID ::= 829

id-RequestedSRSPreconfigurationCharacteristics-List ProtocolIE-ID ::= 830

id-SRSPreconfiguration-List ProtocolIE-ID ::= 831

id-SRSInformation ProtocolIE-ID ::= 832

id-ValidityAreaSpecificSRSInformation ProtocolIE-ID ::= 833

id-E-CID-MeasuredResultsAssociatedInfoList ProtocolIE-ID ::= 834

id-XR-Bcast-Information ProtocolIE-ID ::= 835

id-MaxDataBurstVolume ProtocolIE-ID ::= 836

id-TAInformation-List ProtocolIE-ID ::= 837

id-NonIntegerDRXCycle ProtocolIE-ID ::= 838

id-PointA ProtocolIE-ID ::= 839

id-SCS-SpecificCarrier ProtocolIE-ID ::= 840

id-NR-PCI ProtocolIE-ID ::= 841

id-PeerUE-ID ProtocolIE-ID ::= 842

id-EarlySyncServingCellInformation ProtocolIE-ID ::= 843

id-RANSharingAssistanceInformation ProtocolIE-ID ::= 844

id-LTMCFRAResourceConfig-List ProtocolIE-ID ::= 845

id-F1U-PathFailure ProtocolIE-ID ::= 846

id-MeasBasedOnAggregatedResources ProtocolIE-ID ::= 847

id-SIB23-message ProtocolIE-ID ::= 848

id-BarringExemptionforEmerCallInfo ProtocolIE-ID ::= 849

id-SIB17bis-message ProtocolIE-ID ::= 850

id-ReportingIntervalIMs ProtocolIE-ID ::= 851

id-Transmission-Bandwidth-asymmetric ProtocolIE-ID ::= 852

id-TagIDPointer ProtocolIE-ID ::= 853

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

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

id-NeighbourFutureCoverageModNotification ProtocolIE-ID ::= yy1

END

-- ASN1STOP

<<<<<<<<<<<<<<<<<<<< End of Changes >>>>>>>>>>>>>>>>>>>>