**3GPP TSG- Meeting # R3-23xxxx**

**Incheon, KR – – May 26th**

Agenda Item: 10.2.5

Source: Ericsson

Title: (TP for SON BL CR for TS 38.423) EDT in UL

Document for: Agreement

# Introduction

In this TP we capture the agreement related to the EDT in UL included in the XnAP RESOURCE STATUS UPDATE message.

# TP for SON BL CR for TS 38.423– EDT in UL

----------------------------------------------- Start of XnAP Changes ------------------------------------------------------

#### 9.1.3.21 RESOURCE STATUS UPDATE

This message is sent by NG-RAN node2 to NG-RAN node1 to report the results of the requested measurements.

Direction: NG-RAN node2 → NG-RAN node1.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| IE/Group Name | Presence | Range | IE type and reference | Semantics description | Criticality | Assigned Criticality |
| Message Type | M |  | 9.2.3.1 |  | YES | ignore |
| NG-RAN node1 Measurement ID | M |  | INTEGER (1..4095,...) | Allocated by NG-RAN node1 | YES | reject |
| NG-RAN node2 Measurement ID | M |  | INTEGER (1..4095,...) | Allocated by NG-RAN node2 | YES | reject |
| **Cell Measurement Result** |  | *1* |  |  | YES | ignore |
| **>Cell Measurement Result Item** |  | *1 .. < maxnoofCellsinNG-RANnode >* |  |  | YES | ignore |
| >>Cell ID | M |  | Global NG-RAN Cell Identity  9.2.2.27 |  | – |  |
| >>Radio Resource Status | O |  | 9.2.2.50 |  | – |  |
| >>TNL Capacity Indicator | O |  | 9.2.2.49 |  | – |  |
| >>Composite Available Capacity Group | O |  | 9.2.2.51 |  | – |  |
| >>Slice Available Capacity | O |  | 9.2.2.55 |  | – |  |
| >>Number of Active UEs | O |  | 9.2.2.62 |  | –- |  |
| >>RRC Connections | O |  | 9.2.2.56 |  | – |  |
| **>>NR-U Channel List** |  | *0..1* |  |  | YES | ignore |
| **>>>NR-U Channel Item** |  | *1..<maxnoofNR-UChannelIDs>* |  |  | – |  |
| >>>>NR-U Channel ID | M |  | INTEGER (1.. *maxnoofNR-UChannelIDs*, …) | The NR-U channel utilised in the last reporting period | – |  |
| >>>>Channel occupancy time percentage DL | M |  | INTEGER (0..100) | The percentage of time for which the channel resources have been utilised for DL traffic served by the corresponding NR-U Channel of the serving cell. Value 100 corresponds to the duration between consecutive reporting. | – |  |
| >>>>Energy Detection Threshold DL | M |  | INTEGER (-100..-50,…) | Average ED Threshold used for DL channel sensing at the gNB. Value is in dBm. | – |  |
| >>>>Channel Occupancy Time Percentage UL | O |  | INTEGER (0..100) | The percentage of time for which the channel resources have been utilised for UL traffic served by the corresponding NR-U Channel of the serving cell for UEs that transmit to the serving cell. Value 100 indicates that the channel resources have been utilized for UL traffic served by the corresponding NR-U Channel of the serving cell for the whole duration between consecutive reporting. | YES | ignore |
| >>>>Energy Detection Threshold UL | O |  | INTEGER (-100..-50,…) | Indicates the average of the maximum ED Threshold configured by the gNB for UL channel sensing. Value is in dBm. | YES | ignore |