3GPP TSG-RAN WG3 Meeting #121 R3-23xxxx

**August 21 – 25, 2023**

**Agenda item: 10.2.2**

**Source: Samsung**

**Title:**  **(TP for SON BLCR for 38.423) SON enhancements for CPAC**

**Document for: Discussion and Decision**

# **1 Introduction**

This contribution includes a TP on SON for CPAC.

# **Annex 3: TP for TS38.423**

9.1.2.29 SCG FAILURE INFORMATION REPORT

This message is sent by M-NG-RAN node to S-NG-RAN node to report a PSCell change failure event.

Direction: M-NG-RAN node → S-NG-RAN node.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **IE/Group Name** | **Presence** | **Range** | **IE type and reference** | **Semantics description** | **Criticality** | **Assigned Criticality** |
| Message Type | M |  | 9.2.3.1 |  | YES | ignore |
| M-NG-RAN node UE XnAP ID | M |  | NG-RAN node UE XnAP ID  9.2.3.16 | Allocated at the M-NG-RAN node. | YES | ignore |
| S-NG-RAN node UE XnAP ID | M |  | NG-RAN node UE XnAP ID  9.2.3.16 | Allocated at the S-NG-RAN node. | YES | ignore |
| Source PSCell CGI | O |  | Global NG-RAN Cell Identity  9.2.2.27 | NG-RAN CGI of source PSCell for PSCell change procedure | YES | ignore |
| Failed PSCell CGI | O |  | Global NG-RAN Cell Identity  9.2.2.27 | NG-RAN CGI of PSCell where SCG failure occurs for PSCell change procedure | YES | ignore |
| SCG Failure Report Container | M |  | OCTET STRING | The *SCGFailureInformation* message or the *SCGFailureInformationEUTRA* message as defined in TS 38.331 [10] or the *SCGFailureInformation* message or the *SCGFailureInformationNR* message as defined in TS 36.331 [14] | YES | ignore |
| SN Mobility Information | O |  | BIT STRING (SIZE (32)) | Information related to the PSCell change. It’s provided by S-NG-RAN node in order to enable later analysis of the conditions that led to wrong PSCell change. | YES | ignore |
| CPAC Configuration | O |  | 9.2.2.xx |  | YES | ignore |

9.2.2.xx CPAC Configuration

This IE contains the CPC or CPA configuration information.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **IE/Group Name** | **Presence** | **Range** | **IE type and reference** | **Semantics description** |
| **CPAC Candidate Cell List** |  | *1* |  |  |
| **>CPAC Candidate Cell Item** |  | *1 .. <maxnoofPCellsinCPAC>* |  |  |
| >>CPAC Candidate Cell ID | M |  | Global NG-RAN Cell Identity  9.2.2.27 |  |
| **>>CPAC Execution Condition List** |  | *1* |  |  |
| **>>>CPAC Execution Condition Item** |  | *1 .. <maxnoofCPACexecutioncond>* |  |  |
| >>>>MeasObject Container | M |  | OCTET STRING | MeasObjectToAddMod contained in the *RRCReconfiguration* message (TS 38.331 [10]), which is configured for the CPAC candidate cell |
| >>>>ReportConfig Container | M |  | OCTET STRING | ReportConfigToAddMod contained in the *RRCReconfiguration* message (TS 38.331 [10]), which is configured for the CPAC candidate cell |

|  |  |
| --- | --- |
| **Range bound** | **Explanation** |
| maxnoofPSCellsinCPAC | Maximum no. cells that can be prepared for a conditional handover. Value is 8. |
| maxnoofCPACexecutioncond | Maximum no. execution conditions for a conditional handover. Value is 2. |