3GPP TSG-RAN WG3 Meeting #125bis R3-24xxxx

**Hefei, China, October 14th – 18th, 2024**

**Agenda item: 10.4**

**Source: Samsung**

**Title:** **(TP for SON BLCR for 36.423) MR-DC SCG failure**

**Document for: Discussion and Decision**

# **1 Introduction**

The contribution provided a TP for TS36.423 on MRO for MR-DC SCG failure.

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8.7.x.2 Successful Operation

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**Figure 8.7.x.2-1: SCG Failure Information Report, successful operation**

The MeNB initiates the procedure by sending the SCG FAILURE INFORMATION REPORT message to the en-gNB. Upon receiving the message, the en-gNB shall assume that a PSCell change failure event was detected.

The SCG FAILURE INFORMATION REPORT message may include:

- the *Source PSCell* *CGI* IE, if the *Source PSCell* *CGI* IE was sent for the PSCell change procedure from the en-gNB.

If the SCG FAILURE INFORMATION REPORT message includes the *Source PSCell* *CGI* IE, the en-gNB shall, if supported, store the information.

If the SCG FAILURE INFORMATION REPORT message includes the *Failed PSCell* *CGI* IE, the en-gNB shall, if supported, store the information and act as specified in TS 36.300 [15].

If the SCG FAILURE INFORMATION REPORT message includes the *Time SCG Failure* IE, the en-gNB shall, if supported, store the information and act as specified in TS 36.300 [15].

If received, the en-gNB uses the above information for SCG failure reason detection and optimisation.

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

9.1.4.x SCG FAILURE INFORMATION REPORT

This message is sent by the MeNB to the en-gNB to report a PSCell change failure event.

Direction: MeNB → the en-gNB.

| **IE/Group Name** | **Presence** | **Range** | **IE type and reference** | **Semantics description** | **Criticality** | **Assigned Criticality** |
| --- | --- | --- | --- | --- | --- | --- |
| Message Type | M |  | 9.2.13 |  | YES | ignore |
| MeNB UE XnAP ID | M |  | eNB UE X2AP ID  9.2.24 | Allocated at the MeNB. | YES | ignore |
| SgNB UE X2AP ID | M |  | en-gNB UE X2AP ID  9.2.100 | Allocated at the en-gNB. | YES | ignore |
| Source PSCell CGI | O |  | NR CGI  9.2.111 | NR CGI of source PSCell for PSCell change procedure | YES | ignore |
| Failed PSCell CGI | O |  | NR CGI  9.2.111 | NR CGI of PSCell where SCG failure occurs for PSCell change procedure | YES | ignore |
| SCG Failure Report Container | M |  | OCTET STRING | Contains the *SCGFailureInformationNR* message as defined in TS 36.331 [9] | YES | ignore |
| Time SCG Failure | O |  | INTEGER (0..1023) | *timeSCGFailure* included in *SCGFailureInformationNR* message as defined in TS36.331 [9] | YES | ignore |