3GPP TSG-RAN WG3 Meeting #127 R3-250851

**Athens, Greece, 17 – 21 Feb, 2025**

**Agenda item: 10.4**

**Source: Samsung**

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

**Document for: Discussion and Decision**

# **1 Introduction**

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

# **Annex B: TP for TS36.423 on MR-DC SCG failure**

8.7.y SCG Failure Transfer

8.7.y.1 General

The purpose of the SCG Failure Transfer procedure is to indicate to the MeNB that the root cause of the SCG failure may have occurred in the other nodes.

The procedure uses UE-associated signalling.

8.7.y.2 Successful Operation

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**Figure 8.7.y.2-1: SCG Failure Transfer, successful operation**

en-gNB initiates the procedure by sending the SCG FAILURE TRANSFER message to MeNB.

If received, MeNB uses the information according to TS 36.300 [15].

8.7.y.3 Unsuccessful Operation

Not applicable.

8.7.y.4 Abnormal Conditions

Void.

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

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 37.340 [32].

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 37.340 [32].

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