3GPP TSG-RAN WG3 Meeting #120 R3-233379

**May 22– 26, 2023**

**Agenda item: 10.2.1**

**Source: Samsung**

**Title:** **(TP for SON BLCR for 37.340) SON enhancement for SHR and SPR**

**Document for: Discussion and Decision**

# **1 Introduction**

This contribution provided the TP for SON BLCR for TS37.340 on SHR and SPR.

# **TP for TS37.340**

3.2 Abbreviations

For the purposes of the present document, the abbreviations given in TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in TR 21.905 [1] and TS 36.300 [2].

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SMTC SS/PBCH block Measurement Timing Configuration

SN Secondary Node

V2X Vehicle-to-Everything

SPR Successful PSCell change Report

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Next change \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

10.18.X Successful PSCell Change Report

The objective of Successful PSCell change Report (SPR) is to detect sub-optimal successful PSCell change/CPC or successful PSCell addition/CPA.

For analysis of successful PSCell change/CPC and successful PSCell addition/CPA, the UE supports SPR based on configuration by network, if received, and makes the SPR available to the network as specified in TS 38.331 [4].

For PSCell addition/CPA and PSCell change/CPC (MN or SN initiated), the target SN always decides the T304 trigger for SPR and performs root cause analysis.

For SN-initiated PSCell change/CPC, the source SN decides the T310/T312 triggers for SPR and performs root cause analysis.

The SPR can be fetched from the UE by the MN only while the UE is still connected to the MN, or by a node different from the MN that sent the SPR configuration to the UE if the UE is not connected to the MN anymore. In case the SPR is retrieved in a node different from the MN that sent the SPR configuration to the UE, the SPR is first forwarded to that MN, which then forwards it to the respective SN(s) which should perform the SPR optimization.