**3GPP TSG-RAN WG3 Meeting #115-e R3-** **22xxxx**

**E-meeting, 21 Feb – 3 Mar 2022**

**Title:** (TP for SON BLCR for38.300) Coverage and Capacity Optimization

**Source:** Samsung

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# 1. Introduction

This is a TP for 38.401.

# Annex – TP for 38.401

*Start of the change*

### 7.Y Support for CCO

#### 7.Y.1 General

The NR Capacity and Coverage Optimization (CCO) Function in non-split gNB case is specified in TS 38.300 [2]. The objective of this function is to detect and mitigate coverage and cell edge interference issues.

#### 7.Y.2 OAM requirements

Each gNB-DU may be configured with *alternative coverage configurations* by OAM. The alternative coverage configurations contains relevant radio parameters and may also include a range for how each parameter is allowed to be adjusted.

#### 7.Y.3 Dynamic coverage configuration changes

In case of split gNB architecture, CCO detection function is located at the gNB-CU. The gNB-CU signals to the gNB-DU the CCO issue and the affected cells and beams. If the affected cells are served by the gNB-DU, the gNB-DU resolves a CCO issue via coverage modification. If the affected cells are not served by the gNB-DU, the gNB-DU may adopt a CCO configuration matching that of its neighbours. The gNB-DU informs the gNB-CU of the new coverage state. The gNB-CU notifies the neighbour NG-RAN node or neighbour gNB-CU as specified in TS 38.300 [2].