**3GPP TSG-RAN WG3 Meeting #111-e R3-210441**

**E-meeting, 25 Jan – 5 Feb 2021**

**Title:** (TP for SON BL CR for TS 38.300):Further clarification on distributed PCI selection

**Source:** Huawei

**Agenda item:** 10.2.1.1

**Document for:** Other

# 1. Introduction

This is the update TP revised from R3-210441 acording to the discussion in CB #1001.

# Annex – TP for SON BLCR for TS 38.300

### 15.5.y Support for PCI Optimisation

The PCI Optimization Function in split gNB case is specified in TS 38.401 [4].

#### 15.5.y.1 Centralized PCI Assignment

For centralized PCI assignment in gNB, the OAM assigns a single PCI for each NR cell in the gNB, and the gNB selects this value as the PCI of the NR cell.

#### 15.5.y.2 Distributed PCI Assignment

For distributed PCI assignment in gNB, the OAM assigns a list of PCIs for each NR cell in the gNB, and the gNB selects a PCI value from the list of PCIs. The gNB may restrict this list by removing some PCIs that are reported by UEs, reported over the Xn interface by neighboring gNBs, and/or acquired through other methods, e.g. detected over the air using a downlink receiver.