3GPP TSG-RAN WG1 Meeting #108-e R1-22xxxxx

e-Meeting, February 21st – March 3rd, 2022

**Title: DRAFT** ReplyLS on NTN-specific SIB

**Release:** Release 17

**Work Item:** NR\_NTN\_solutions

**Source:** Huawei (to be: RAN1)

**To:** RAN2

**Cc:**

**Contact Person:** Jussi Kahtava

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**Attachments:** None

**1. Overall Description:**

RAN1 thanks RAN2 for the liaison letter introducing the new NTN-specific SIB (SIBx) which is scheduled by SIB1. After reviewing the information RAN1 respectfully informs the following:

1. RAN1 has no concern with the list of nine parameters of serving cell information
2. RAN1 proposes two additional parameters (ntnPolarizationDL and ntnPolarizationUL) to be added into the parameters of serving cell information, which can be found in the following RAN1 agreements

RAN1#105-e meeting:

Agreement:

For explicit indication of polarization information for DL by the network, support indication in SIB

* FFS: Signaling details for indication in SIB

Agreement:

* Polarization information for UL may be indicated in SIB by the network
* UE assumes a same polarization for UL and DL, when the UL polarization information is absent.
* FFS: Signaling details for indication in SIB

RAN1#106-e meeting:

Agreement:

When polarization signalling is present in SIB

* SIB indicates DL and/or UL polarization information using respective polarization type parameters to indicate: RHCP or LHCP or linear
* FFS: whether polarization signalling is per SSB

**2. Actions:**

**To RAN2 group:**

**ACTION:** RAN1 respectfully requests RAN2 to take the above into account.

**3. Date of Next TSG-RAN WG1 Meetings:**

TSG-RAN WG1 Meeting #109-e 16 – 27 May 2022 Electronic Meeting

TSG-RAN WG1 Meeting #110 22 – 26 August 2022 Toulouse, France