3GPP TSG-RAN WG3 Meeting #119bis-e TDoc R3-232061

Electronic meeting, Apr. 17th – Apr. 26th, 2023

**Title: LS on intra-system inter-RAT SHR and SPR**

**Response to:**

**Release: Rel18**

**Work Item: Enhancement of Data Collection for SON\_MDT in NR standalone and MR-DC WI (NR\_ENDC\_SON\_MDT\_enh2-Core)**

Source: RAN3

**To: RAN2**

**Cc:**

**Contact person:** Henrik Olofsson

henrik.olofsson@huawei.com

**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

**Attachments:**

# 1 Overall description

Inter-RAT SHR

RAN3 has agreed to support collection of SHR during successful inter-RAT HO (LTE to NR) but only if there is no impact on LTE. With this in mind, RAN3 agreed to only consider the T304 trigger. This agreement will be revisited if RAN2 detects impact on LTE. This decision further relied on the following assumptions which needs to be confirmed by RAN2:

* Target gNB can send SHR configuration (T304 trigger) to UE via NR container (targetRAT-MessageContainer) in MobilityFromEUTRACommand
* UE stores this SHR configuration in NR format
* If T304 trigger is met, UE records SHR in NR format
* UE reports this SHR only to an gNB (either the target gNB or another gNB)

In case the above scenario is also considered feasible for RAN2, RAN3 has identified that at least the following information is beneficial to be reported from the UE:

* Source LTE cell identity
* Target NR cell identity

SPR

RAN3 did not identify any further requirements regarding the representation of triggers for SPR compared to what is used in Rel17 for SHR, and has agreed on the following working assumption:

WA: The triggers for SPR should be represented in terms of percentage values (similar to SHR)

# 2 Actions

**To RAN2**

**ACTION:** RAN3 kindly asks RAN2 to take the above into consideration and provide feedback on the feasibility of the scenario of SHR during successful inter-RAT HO (LTE to NR)

# 3 Dates of next RAN3 meetings

Updated meeting schedule can be found at: <https://portal.3gpp.org/?tbid=373&SubTB=381#/>

RAN3 #120 22 – 26 May 2023 Incheon, KR

RAN3#121 21 – 25 Aug 2023 Toulouse , FR