**3GPP TSG-RAN WG3 #122 R3-237785**

**Chicago, IL, USA, November 13th – 17th, 2023**

Agenda Item: 10.2.1

Source: Samsung (moderator)

Title: Summary of Offline Discussion: CB: # SONMDT1\_SHRSPR

Document for: Discussion

# Introduction

This is the offline summary for the following comeback:

**CB: # SONMDT1\_SHRSPR**

**- Further discuss the above open issue**

**-Provide TPs if agreeable**

(moderator - SS)

Summary of offline disc [R3-237785](file:///D:\会议硬盘\TSGR3_122\Inbox\R3-237785.zip)

# For the Chairman’s Notes

TPs to be agreed:

Proposal for agreement:

# Discussion

## SHR

Correlation of SHR and RLF:

**Target C-RNTI should be included in the Xn HANDOVER REPORT.**

1. **Target C-RNTI should be included in the NG HANDOVER REPORT?**

After checking the specifications, the moderator think it is needed.

In NG Handover Report, RLF Report is optional. NG Handover Report can be used for RRC Reestablishment without RLF report case.

The question raised online is whether the target node can know the source node information for routing via 5GC. The target node can know the source CGI from the UE history information.

#### 9.3.3.39 HO Report

This IE contains the HO report to be transferred.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IE/Group Name | Presence | Range | IE type and reference | Semantics description |
| Handover Report Type | M |  | ENUMERATED (HO too early, HO to wrong cell, Inter-system ping-pong, …) |  |
| Handover Cause | M |  | Cause  9.3.1.2 | Indicates handover cause employed for handover from source cell |
| Source Cell CGI | M |  | NG-RAN CGI  9.3.1.73 | NG-RAN CGI of the source cell for handover procedure |
| Target Cell CGI | M |  | NG-RAN CGI 9.3.1.73 | NG-RAN CGI of the target cell for handover procedure.  If the Handover Report Type is set to “Inter-system ping-pong”, it contains the target cell of the inter system handover from the other system to NG-RAN nodecell |
| Re-establishment Cell CGI | C-  ifHandoverReportType HoToWrongCell |  | NG-RAN CGI 9.3.1.73 | NG-RAN CGI of the cell where UE attempted re-establishment or where the UE successfully re-connected after the failure |
| Source Cell C-RNTI | O |  | BIT STRING (SIZE (16)) | C-RNTI allocated at the source NG-RAN node |
| Target Cell in E-UTRAN | C-  ifHandoverReportType Intersystempingpong |  | E-UTRA CGI  9.3.1.9 | E-UTRA CGI of the E-UTRAN target cell for handover procedure |
| Mobility Information | O |  | BIT STRING (SIZE (32)) | Information provided in the HANDOVER REQUEST message from the source NG-RAN node |
| UE RLF Report Container | O |  | 9.3.3.41 | The UE RLF Report Container IE received in the FAILURE INDICATION message. |

1. Either include timeConnFailure and timeSinceFailure or time from handover command to RLF report retrieval in HO Report message?

RAN2 agreement?

## SPR

1. Whether or either the preferred T310/T312 SPR thresholds or T310/T312 timer values needs to be provided as assistance information from the source SN to the MN?
2. **Whether the objective of T304 SPR trigger is also to optimize the mobility configurations in the source node?**

**Check whether there is any stage2 text is acceptable?**

We already has the following agreement on the forwarding:

Third node -> MN -> the node which generate the threshold which configure the threshold.

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.

1. SN informs the UE (e.g. with MN involvement) that PSCell Change is SN-initiated, when MN is not aware of SN SPR configuration?
2. Add a new IE in S-NODE MODIFICATION REQUIRED message to inform the MN that an SPR is available at the UE?