3GPP TSG-RAN WG3 Meeting #129-bis R3-25xxxx

**Prague, Czech Republic, 13 – 17 October 2025**

Agenda Item: 9.2.10

Source: Samsung (moderator)

Title: Summary of Offline Discussion for CB # 17\_R19Duplex

Document for: Discussion

# 1 Introduction

**CB: # 17\_R19Duplex**

**- discuss SBFD RACH configuration exchange over Xn, 6653/6654 and 7164 can be used as starting point, reuse explicit IEs if feasible**

**- discuss indication of** **L1 UE-to-UE CLI based on 6692**

**- XnAP misc corrections: check 7068, 7162 (and merge if possible?)**

**- F1AP misc corrections: check 7069, 7163, 7178 (and merge if possible?)**

**- Stage 2:** **check 38.300, 38.401, 38.470 if time allows**

(Samsung - moderator)

Summary of offline disc [R3-25xxxx](file:///C:\Users\man1.zhang\Downloads\Inbox\R3-25xxxx.zip)

# 2 For the Chair Notes

**Propose the following:**

R3-257068 - endorsed

R3-257178 rev in R3-25xxxx – endorsed

R3-257069 - merged

**Propose to capture the following in Chair Notes:**

Agreement:

**Reuse existing AP level explicit IEs for SBFD RACH configuration.**

To be continued:

**Further discuss which IEs shall be added for the SBFD RACH configuration.**

**Check the problem with the possibility of transmitting a whole empty message, by changing the presence of CLI Measurement Result IE to optional over Xn/F1.**

**Clarify how the gNB-CU can be aware about whether DU has configured L1 UE-to-UE CLI measurement configuration in CellGroupConfig.**

**CellGroupConfig is generated and compiled by which node, i.e., CU or DU？**

**Propose to further discuss the following online:**

[issue 1]

[issue 2]

# 3 Discussion (optional)

## 3.1 XnAP/F1AP misc corrections

As captured in the chair notes, the following Tdocs regarding XnAP/F1AP shall be checked, and merged if possible:

- XnAP misc corrections: check 7068, 7162 (and merge if possible?)

- F1AP misc corrections: check 7069, 7163, 7178 (and merge if possible?)

1st round

**Proposals:**

**- Agree 7068 for XnAP.**

**- Agree 7069 for F1AP.**

**- For 7162 and 7163, which proposes to change the presence of CLI Measurement Result IE to optional, propose to capture the following open issue:**

**Check the problem with the possibility of transmitting a whole empty message, by changing the presence of CLI Measurement Result IE to optional.**

**- For 7178, which was not touched during the first slot of offline discussion, the changes seem straight-forward, propose to agree.**

**2nd round conclusion:**

**- Agree 7068 for XnAP**

**- Agree 7178 rev in xxxx, merge corrections in 7069.**

**- For 7162 and 7163, which proposes to change the presence of CLI Measurement Result IE to optional, propose to capture the following open issue:**

**Check the problem with the possibility of transmitting a whole empty message, by changing the presence of CLI Measurement Result IE to optional.**

## 3.2 SBFD RACH configuration exchange over Xn

Proposal from CATT (6653/6654)

#### 9.3.1.10 Served Cell Information

This IE contains cell configuration information of a cell in the gNB-DU.

| IE/Group Name | Presence | Range | IE type and reference | Semantics description | Criticality | Assigned Criticality |
| --- | --- | --- | --- | --- | --- | --- |
| NR CGI | M |  | 9.3.1.12 |  | - |  |
| NR PCI | M |  | INTEGER (0..1007) | Physical Cell ID | - |  |
| 5GS TAC | O |  | 9.3.1.29 | 5GS Tracking Area Code | - |  |
| Unchanged part omitted | | | | | | |
| Barring Exemption for Emergency Call Information | O |  | ENUMERATED (true, …) | Corresponds to information provided in the *barringExemptEmergencyCall*  contained in the *SIB1* message as defined in 38.331 [10]. | YES | ignore |
| SBFD RACH Configuration | O |  | OCTET STRING | Corresponds to *SBFD-RACH-DualConfig* IE as defined in 38.331 [8]. | YES | ignore |

Unchanged part is omitted

#### 9.3.1.215 Neighbour NR Cells for SON List

This IE contains the configuration of NR neighbour cells which the gNB-DU may take into consideration for SON purposes.

NOTE: If multiple served cells share a common neighbour cell and thus multiple copies of *Neighbour NR Cells for SON Item* IE for the neighbour cell are needed to be contained in an F1AP message, IEs other than the *NR CGI* IE may be omitted in the copies other than the first one present in the message.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
| **Neighbour NR Cells for SON Item** |  | *1 .. <maxNeighbourCellforSON>* |  |  | – |  |
| >NR CGI | M |  | 9.3.1.12 |  | – |  |
| >NR Mode Info Rel16 | O |  | 9.3.1.216 |  | – |  |
| >SSB Positions In Burst | O |  | 9.3.1.138 |  | – |  |
| >NR Cell PRACH Configuration | O |  | 9.3.1.139 |  | – |  |
| >SBFD RACH Configuration | O |  | OCTET STRING | Corresponds to *SBFD-RACH-DualConfig* IE as defined in 38.331 [8]. | YES | ignore |

Proposal from ZTE (7164):

#### 9.3.1.139 NR PRACH Configuration

This IE indicates the PRACH resources by a NR cell.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
| UL PRACH Configuration | O |  | NR PRACH Configuration List  9.3.1.140 |  | - |  |
| SUL PRACH Configuration | O |  | NR PRACH Configuration List  9.3.1.140 |  | - |  |
| SBFD PRACH Configuration | O |  | NR PRACH Configuration List  9.3.1.140 |  | YES | ignore |

**Question 1: Agree that we reuse existing explicit IEs for SBFD RACH configuration?**

**Question 2: Which explicit IEs can be used to represent the parameters of SBFD RACH configuration?**

**Question 3: Which new IEs shall be added for indicating the additional configuration for SBFD RACH?**

Proposal:

**Agree that we reuse existing AP level explicit IEs for SBFD RACH configuration.**

**Further discuss which IEs shall be added for the SBFD RACH configuration.**

## 3.3 L1 UE-to-UE CLI

Proposal from Samsung (6692):

Add a L1 CLI Measurement Configuration Indication in the DU to CU RRC Information over F1.

There was no consensus on this issue during the online discussion.

Clarify how the gNB-CU be aware about whether DU has configured L1 UE-to-UE CLI measurement configuration. Note that CU is not mandated to decode the DU to CU RRC Information every time, and there is no principle standardized to specify how the CU can understand which information is carried in the DU to CU RRC Information.

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**To be continued:**

**Clarify how the gNB-CU can be aware about whether DU has configured L1 UE-to-UE CLI measurement configuration in CellGroupConfig.**

**CellGroupConfig is generated and compiled by which node, i.e., CU or DU？**

## 3.4 Stage 2

check 38.300, 38.401, 38.470 if time allows

# 4 Conclusion (optional)

# 5 References (optional)

1. Reference 1
2. Reference 2