**3GPP TSG-RAN WG2 #131 R2-25xxxxx**

Bengaluru, India, 25 - 29 August 2025

Agenda Item: 8.0.1

Source: Ericsson (Rapporteur)

Title: Report of [AT131][007][ASN.1] Cross WI interactions (Ericsson)

Document for: Discussion

# 1 Introduction

This is to summarize the input on the following AT131 email discussion:

* [AT131][007][ASN.1] Cross WI interactions (Ericsson)

Intended outcome: continue to collect a list of cross-WI issues (and issues with respect to existing features)

Deadline: Friday

* continue (from [POST130][002][ASN.1]) to collect a list of cross-WI issues (and issues with respect to existing features) and try to propose solutions in an AT email discussion.

# 2 Discussion

Please fill in the table below with WI/TEI interactions and issues with respect to existing features) that you consider non-trivial and need RAN2 discussion. Companies may add comments and discuss the proposals.

* Main target is to collect issues/clashes/interactions
* Delegates are encouraged to also fill in potential **draft status** as concluded in WI sessions at #131.
* Tag your text with your Company/name.

Issues 1-7 were provided by Oppo in [POST130][002][ASN.1] (see R2-2505664).

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|  | **Issue**  **Short description** | **Interacting Wis/existing features** | **Source company/delegate email adress** | **Proposal/Discussion** | **(Draft) status after #131** |
| 1 | New RACH type(s) introduced in NES and SBFD, and applicability to MIMO and Mob | NES, SBFD, MIMO, Mob | Qianxi Lu  qianxi.lu@oppo.com | Signaling harmonization: SBFD-RACH option-1 (relying on parameter in RACH-ConfigGeneric) seems compatible with NES-RACH, while it needs to be clarified that NES-RACH parameter is not supposed to be present in SBFD-RACH option-2 (introducing an additional RACH-ConfigCommon).  Configuration Relationship: for SBFD option-1, legacy-RACH and SBFD-RACH are of same RACH configuration index, while NES-RACH is of a separate RACH configuration Index. For SBFD option-2, legacy-RACH, SBFD-RACH, and NES-RACH are all of separate RACH configuration index.  And further discuss  1a/ Applicability of SBFD-RACH to Mob (early UL sync and RACH upon (C)LTM execution)  1b/ Applicability of SBFD-RACH to MIMO  2/ Applicability of NES-RACH to MIMO |  |
| 2 | Applicability of OD-SSB/SIB1 for (C)LTM | NES, Mob | Qianxi Lu  qianxi.lu@oppo.com | 1/ Applicability of OD-SIB1 in (C)LTM  2/ Applicability of OD-SSB for (C)LTM |  |
| 3 | Applicability of UL-Only TRP for (C)LTM | MIMO, Mob | Qianxi Lu  qianxi.lu@oppo.com | 1/ Applicability of UL-Only TRP for LTM |  |
| 4 | Applicability of LP-SS to Paging adaptation | LPWUS, NES | Qianxi Lu  qianxi.lu@oppo.com | 1/ Applicability of LP-SS to PO bundling |  |
| 5 | Applicability of Paging adaptation to SL-Relay | NES, Relay | Qianxi Lu  qianxi.lu@oppo.com | 1/ Applicability of PO-bundling to SL-Relay |  |
| 6 | Applicability of XR RLC enh to SL-Relay | XR, Relay | Qianxi Lu  qianxi.lu@oppo.com | 1/ Applicability of RLC enh to SL-Relay |  |
| 7 | Applicability of LTM/CLTM to SL-Relay | Mob, Relay | Qianxi Lu  qianxi.lu@oppo.com | 1/ Applicability of LTM to SL-Relay: Positive for last Relay, but negative to intermediate/first Relay or Remote UE  2/ Applicability of CLTM to SL-Relay |  |
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# 3 Conclusion

TBA.

# 3 References

[1] [R2-2505664](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_131\Docs\R2-2505664.zip) Report of [POST130][002][ASN.1] cross WI interactions Ericsson discussion Rel-19 TEI19