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

Bengaluru, India, 25 - 29 August 2025

Agenda Item: 8.0

Source: Ericsson (Rapporteur)

Title: Report of [POST130][002][ASN.1] cross WI interactions (Ericsson)

Document for: Discussion

# 1 Introduction

This is to summarize the input on the following offline:

**[POST130][002][ASN.1] cross WI interactions (Ericsson)**

**Intended outcome: identify potential functional WI interactions and share**

**Deadline: Long**

# 2 Discussion

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

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| --- | --- | --- | --- | --- |
|  | **Issue**  **Short description** | **Interacting WIs** | **Proposal/Discussion** | **Delegate, email address** |
| 1 | New RACH type(s) introduced in NES and SBFD, and applicability to MIMO and Mob | NES, SBFD, MIMO, Mob | 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): Positive to option-1 for early-UL-sync, negative to others  1b/ Applicability of SBFD-RACH to MIMO: negative to option-2 for mTRP of different PCI, positive for others  2/ Applicability of NES-RACH to MIMO (Mob has been concluded): negative | Qianxi Lu  qianxi.lu@oppo.com |
| 2 | Applicability of OD-SSB/SIB1 for (C)LTM | NES, Mob | 1/ Applicability of OD-SIB1 in (C)LTM: Positive  2/ Applicability of OD-SSB for (C)LTM: Negative | Qianxi Lu  qianxi.lu@oppo.com |
| 3 | Applicability of UL-Only TRP for (C)LTM | MIMO, Mob | 1/ Applicability of UL-Only TRP for LTM: Negative | Qianxi Lu  qianxi.lu@oppo.com |
| 4 | Applicability of LP-SS to Paging adaptation | LPWUS, NES | 1/ Applicability of LP-SS to PO bundling: Positive | Qianxi Lu  qianxi.lu@oppo.com |
| 5 | Applicability of Paging adaptation to SL-Relay | NES, Relay | 1/ Applicability of PO-bundling to SL-Relay: Negative | Qianxi Lu  qianxi.lu@oppo.com |
| 6 | Applicability of XR RLC enh to SL-Relay | XR, Relay | 1/ Applicability of RLC enh to SL-Relay: Negative | Qianxi Lu  qianxi.lu@oppo.com |
| 7 | Applicability of LTM/CLTM to SL-Relay | Mob, Relay | 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: Negative | Qianxi Lu  qianxi.lu@oppo.com |

# 3 Conclusion

The email discussion had limited activity. Only one company provided input with 7 cases of WI inter-action and simultaneous support (including the company’s preferences. It was also raised that some cross-WI issues and simultaneous support of legacy features are already being discussed in some WIs.

To complete Rel-19 WIs, and encourage transparency of cross-WI discussions in RAN2, the Rapp proposes:

1. During RAN2#131, collect list of cross-WI issues (and issues with respect to existing features) in an AT email discussion.

(List from this email discussion is a start.)

1. In POST email discussion, companies to discuss list of cross-WI issues and specification impacts, conclude on specification impacts at RAN2#131bis.

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