**3GPP TSG-RAN WG2 Meeting #125bis R2-240xxxx**

**Changsha, China, 15th – 19th April 2024**

**Agenda Item: x.x.x**

**Source: Ericsson**

**Title: Discussion on RILs conclusion mobile IAB**

**Document for: Discussion, Decision**

1 Introduction

In this contribution, a list of RILs for the mobile IAB work item with relating conclusion and comment is provided.

# 2 Discussion

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Delegate** | **Work Item** | **Class** | **Propose Conclusion** | **Comment to Proposed Conclusion** | **RIL source leader (who should provide the tdoc)** | **Description** | **Proposed Change** | **Comments**  **(Example 🡪 [Ericsson-Tony] bla bla)** |
| H112 | Huawei (Yulong) | IAB | 1 | PropReject | [Ericsson-Tony] I am a bit skeptical to provide this field as mandatory. This is because in case new N\_TA values are introduce then we have an issue with this field as mandatory. I prefer to keep this optional and network anyway would need to include this because otherwise the whole RACH-less IE would be useless. However, this is something that need to be discussed within AI 7.0.3 for the generalization of RACH-less. |  | The RACH-lessHO IE is need N. Then, there is no point to not provide the targetNTA-r18 if RACH-lessHO is configured. | Change targetNTA-r18 as mandatory field |  |
| H113 | Huawei (Yulong) | IAB | 1 | PropAgree |  |  | The tci-StateID field in RACH-LessHO IE is not only for the beam indication, but also indicating the TCI state. | This field indicates a beam that the UE should use in the target cell to monitor PDCCH for initial uplink transmission, and indicates the TCI state information to be used in the target cell. This field is present in case this cell is a mobile IAB cell. |  |
| S265 | Samsung (Jonas) | IAB | 1 | PropReject | [Ericsson-Tony] Since this field is within NPN-IdentityInfoList, it looks straighforward that the condition applies only to NPN. This is similar terminology we have for other fields in the same IE. Neverthless, I am okay to further clarify if also other companies believe that is useful. |  | A specific NPN may support mobile IAB in a cell, so with the following description it may need to be present for any NPN in the cell that does not support mobile IAB. | The suggested change is to state that this field is always present if mobileIAB-Support is indicated for the NPN. |  |
| S486 | Samsung (Jonas) | IAB | 1 | Wrong WI | [Ericsson-Tony] It seems that this change should be discussed either in NTN or in the RACH-less section in 7.0.4. This is not related to mobile IAB. |  | It was agreed that TAR MAC CE may be sent during RACH-less HO and the current procedures allow for it. | Either remove “Random access due to” or add “during Random access and RACH-less due to reconfiguration with sync” |  |
| S266 | Samsung (Jonas) | IAB | 1 | PropReject | [Ericsson-Tony] Same as S265 |  | A specific PLMN may support mobile IAB in a cell, so with the following description it may need to be present for any PLMN in the cell that does not support mobile IAB. | The suggested change is to state that this field is always present if mobileIAB-Support is indicated for the PLMN. |  |