**3GPP TSG-RAN WG3 Meeting #116-e[R3-223812](Inbox%5C%5CR3-223812.zip)**

**Online, May 9th – 19th 2022**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **38.470** | **CR** | **0100** | **rev** | **2** | **Current version:** | **17.0.0** |  |
|  |
| *For* ***[HELP](http://www.3gpp.org/3G_Specs/CRs.htm%22%20%5Cl%20%22_blank)*** *on using this form: comprehensive instructions can be found at <http://www.3gpp.org/Change-Requests>.* |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network | **X** | Core Network |  |

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| ***Title:***  | IAB Rel-17 Corrections |
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| ***Source to WG:*** | ZTE, Ericsson |
| ***Source to TSG:*** | RAN3 |
|  |  |
| ***Work item code:*** | NR\_IAB\_enh-Core |  | ***Date:*** | 2022-05-19 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-17 |
|  | *Use one of the following categories:****F*** *(correction)****A*** *(mirror corresponding to a change in an earlier release)****B*** *(addition of feature),* ***C*** *(functional modification of feature)****D*** *(editorial modification)*Detailed explanations of the above categories canbe found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | *Use one of the following releases:Rel-8 (Release 8)Rel-9 (Release 9)Rel-10 (Release 10)Rel-11 (Release 11)…Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
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| ***Reason for change:*** | 1. In the BAP mapping configuration function, the description for transfer of BAP related configurations other than BAP header rewriting configuration to the IAB-DU, and transfer of BAP related configurations to the IAB-donor-DU are missing.
2. Based on the current specification, NA resource configuration of a parent node IAB-DU or IAB-donor-DU could be provided from IAB-donor-CU to an IAB-donor-DU, which is incorrect since IAB-donor-DU has no co-located IAB-MT.
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| ***Summary of change:*** | Merged merged the CR in R3-223297 and R3-223118, see below for details.1. In the BAP mapping configuration function, add the description for transfer of BAP related configurations other than BAP header rewriting configuration to the IAB-DU, and transfer of BAP related configurations to the IAB-donor-DU.
2. Remove “an IAB-donor-DU or” so that NA resource configuration of a parent node IAB-DU or IAB-donor-DU is not provided from IAB-donor-CU to an IAB-donor-DU.
3. Some editorial changes.
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| ***Consequences if not approved:*** | Unclear, redundant and incorrect specification text. |
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| ***Clauses affected:*** | 5.2.12. |
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|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  |  |
| ***affected:*** |  | **X** |  Test specifications |  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications |  |
|  |  |
| ***Other comments:*** |  |
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| ***This CR's revision history:*** | Rev -: R3-223731* Update the description for the support of IAB support function.

Rev 1: R3-223808* Fix the changes on changes
* Replace ‘collocated’ with ‘co-located’
* In the added sentence for donor DU, replace ‘other’ with ‘the’.

Rev 2:- Update the cover page to clearly state the reason for change and summary for change. |

-------------------------------------------Start of changes-------------------------------------------

# 5 Functions of the F1 interface

## 5.1 General

The following clauses describe the functions supported over F1-C and F1-U.

## 5.2 F1-C functions

**>>>>>>>>>>>>>>>>>>>Unchanged parts are skipped<<<<<<<<<<<<<<<<<<<**

### 5.2.12 IAB support function

The support for IAB comprises several functions.

The BAP mapping configuration function allows the IAB-donor-CU to provide BAP mapping which includes the backhaul routing configuration and/or BH RLC channel mapping information for IAB-donor-DU or IAB-DU. This function also enables the IAB-donor-CU to provide the BAP header rewriting configuration, or other BAP related configurations to the IAB-DU. This function also enables the IAB-donor-CU to provide the BAP related configurations to the IAB-donor-DU.

The gNB-DU resource configuration function is used by the IAB-donor-CU to provide cell resource configuration for an IAB-donor-DU or an IAB-DU, and/or NA resource configuration of a parent node IAB-DU or IAB-donor-DU serving the co-located IAB-MT for an IAB-DU, and/or information about the child node’s cell resource configuration and other periodic configurations to a parent IAB-node or an IAB-donor-DU. This function also allows the IAB-donor-CU to provide the semi-static cell resource configuration of a neighbour node or a peer parent-node of a child node, whereas this neighbor node or a peer parent can be an IAB-donor-DU or an IAB-DU.

The IAB TNL address configuration function enables the IAB-donor-CU to request IP address(es) to be used for IAB-node(s) from an IAB-donor-DU, or to request from an IAB-donor-DU the removal of IP address(es) used for IAB-node(s). This function is also used by the IAB-donor-CU to provide an IAB-donor-DU with the IP address information of the traffic to be transferred to a peer IAB-donor-DU via an inter-donor-DU tunnel.

The IAB UP configuration update function allows the update of BH information or the UP TNL information between the IAB-donor-CU and an IAB-DU.

-------------------------------------------End of changes-------------------------------------------