**3GPP TSG-RAN WG1 Meeting #2-bis-e *R1-23xxxxx***

**Online, April 17th - April 26th, 2023**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** | **DRAFT** | **rev** |  | **Current version:** |  |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network | **X** | Core Network |  |

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| ***Title:*** | DRAFT Correction on reference SCS for availability indication in eIAB | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Moderator (Qualcomm), Ericsson, Samsung | | | | | | | | | |
| ***Source to TSG:*** | RAN WG1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** |  |  | | | | | ***Release:*** | | |  |
|  | *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 can be 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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Agreement from RAN1#106 is missing and clarification of the reference SCS used for availability indication in time- and frequency-domain is needed.  **Agreement** A Reference SCS is configured for frequency domain H/S/NA configuration. | | | | | | | | |
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| ***Summary of change:*** | | Update the specification to include the RAN1 agreement from the RAN1#106-e meeting. Clarification on the the reference SCS from gNB-DU Cell Resource Configuration is used for the slot of a cell in availabilityCombinations-r16 an availabilityCombinationsRBGroups-r17, while the reference SCS from RB set Configuration is used for the RB sets of a cell in availabilityCombinationsRBGroups-r17. | | | | | | | | |
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| ***Consequences if not approved:*** | | The specification is incomplete. | | | | | | | | |
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| ***Clauses affected:*** | | 14 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

# 14 Integrated access-backhaul operation

**<Unchanged parts are omitted>**

For each cell of an IAB-DU in a set of cells of the IAB-DU, the IAB-DU can be provided:

- an identity of the IAB-DU cell by *iab-DU-CellIdentity*

- a location of an availability indicator (AI) index field in DCI format 2\_5 by *positionInDCI-AI* or by *positionInDCI-AI-r17*

- a set of availability combinations by *availabilityCombinations-r16 or by availabilityCombinationsRBGroups-r17*, where each availability combination in the set of availability combinations includes

- *resourceAvailability-r16* indicating availability of soft symbols in one or more slots for the IAB-DU cell, or one *resourceAvailability-r17* indicating availability of soft resources in all RB sets in one or more slots for the IAB-DU cell, or one or multiple RB set groups by *rb-SetGroups-r17* with each RB set groups by *RB-SetGroup-r17* indicating *resourceAvailability-r17* for soft resources in one or more slots for the associated *rb-Sets-r17*, and

- a mapping for the soft symbol, and/or for soft resources, availability combinations provided by *resourceAvailability-r16 or resourceAvailability-r17* to a corresponding AI index field value in DCI format 2\_5 provided by *availabilityCombinationId-r16 or availabilityCombinationId-r17, respectively*

With reference to a slot of an IAB-DU cell, if the IAB-DU is not provided an indication of hard, soft or unavailable type per RB set by *Frequency-Domain HSNA Configuration List* [16, TS 38.473], the indication of availability for the slot is based solely on *availabilityCombinations-r16*.

The IAB-DU can assume a same SCS configuration for *availabilityCombinations-r16* or *availabilityCombinationsRBGroups-r17* for slots of a cell as an SCS configuration provided by *gNB-DU Cell Resource Configuration* for the cell.

The IAB-DU can assume a same SCS configuration for *availabilityCombinationsRB-Groups-r17* for RB sets of a cell as a SCS configuration provided by *RB Set Configuration* for the cell.

**<Unchanged parts are omitted>**