**3GPP TSG-RAN4 Meeting #98-e *R4-2103545***

**Electronic Meeting, Jan 25-Feb 05, 2021**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.174** | **CR** | **draftCR** | **rev** | **1** | **Current version:** | **16.1.0** |  |
|  | | | | | | | | |
| *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 |  | Radio Access Network | **X** | Core Network |  |

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|  | | | | | | | | | | |
| ***Title:*** | Big CR: IAB-MT RRM test cases in 38.174 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_IAB-Perf | | | | |  | ***Date:*** | | | 2021-02-01 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | To create an annex in TS 38.174 for defining RRM test cases | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | New annex G is created for RRM test cases. The annex so far is only skeleton comprising:   * one main section for RRM test configurations * one main section for RRM test cases * one main section for conditions for RRM requirements for correspondng bands   Note: This is based on the endorsed draftCR in R4-2017117 in RAN4#98-e with the following agreement captured in chairmain notes:  Chair: Big CR will be introduced in the next meeting. Companies are encouraged to follow the agreed spec structured. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | RRM test cases for IAB-MT cannot be defined. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | G, G.1, G.2, G.2.1, G.2.1.1, G.2.1.1.2, G.2.2, G.2.2.1, G.2.2.2, G.2.3, G.2.3.1, G.2.3.2, G.2.3, G.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

**----------------------START OF CHANGES----------------------------**

Annex G (normative): IAB-MT RRM Testing

G.1 IAB-MT RRM test configurations

G.2 IAB-MT RRM test cases

## G.2.1 RRC\_CONNECTED state mobility for IAB-MTs

### G.2.1.1 RRC Connection Mobility Control

#### G.2.1.1.1 RRC Re-establishment

#### G.2.1.1.2 RRC Connection Release with Redirection

## G.2.2 Timing

### G.2.2.1 Transmit timing

### G.2.2.2 Timing advance

## G.2.3 Signalling Characteristics for IAB MTs

### G.2.3.1 Radio link Monitoring

### G.2.3.2 Beam Failure Detection and Link Recovery Procedure

G.3 Conditions for IAB-MT RRM requirements applicability for operating bands

**----------------------END OF CHANGES----------------------------**