**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 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-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. |
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| ***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----------------------------**