**3GPP TSG-RAN WG3 #115-e R3-222616**

**E-meeting, 21 Feb - 3 Mar 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **36.413** | **CR** | 1870 | **rev** | **1** | **Current version:** | **16.8.0** |  |
|  | | | | | | | | |
| *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 | **x** |

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| ***Title:*** | Misalignment on M8 and M9 measurement configurations | | | | | | | | | |
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| ***Source to WG:*** | Samsung, ZTE, CATT, Lenovo, Motorola Mobility, China Unicom, China Telecom, Qualcomm Incorporated, Ericsson, Nokia, Nokia Shanghai Bell, CMCC, Huawei | | | | | | | | | |
| ***Source to TSG:*** | R3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | LTE\_MDT\_BT\_WLAN-Core | | | | |  | ***Date:*** | | | 2022-2-11 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **A** |  | | | | | ***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)* | |
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| ***Reason for change:*** | | The current specifications of Bluetooth/WLAN measurement configuration in S1AP/X2AP and RRC might result in the situation that no namelist is configured to UE, and UE would not report any Bluetooth/WLAN measurement results. | | | | | | | | |
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| ***Summary of change:*** | | Introduce additional description.  For WLAN Measurement Configuration, adding a semantics description that WLAN Measurement Configuration Name List is present if WLAN Measurement Configuration IE is set to Setup.  For Bluetooth Measurement Configuration, adding a semantics description that Bluetooth Measurement Configuration Name List is present if Bluetooth measurement Configuration IE is set to Setup.  Impact Analysis:  Impact assessment towards the previous version of the specification (same release):  This CR has limited impact with the previous version of the specification.  There is no ASN.1 impact. | | | | | | | | |
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| ***Consequences if not approved:*** | | MDT M8 M9 cannot be enforced in the UE when eNB receiving configuration without any Bluetooth/WLAN Measurement Configuration Name. | | | | | | | | |
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| ***Clauses affected:*** | | 9.2.1.137, 9.2.1.138 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 36.423 CR 1679 | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
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| ***This CR's revision history:*** | | This CR is the revision of R3-222321. | | | | | | | | |

*Changes Start*

#### 9.2.1.137 Bluetooth Measurement Configuration

This IE defines the parameters for Bluetooth measurement collection.

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| --- | --- | --- | --- | --- |
| IE/Group Name | Presence | Range | IE type and reference | Semantics description |
| Bluetooth Measurement Configuration | M |  | ENUMERATED (Setup, …) |  |
| **Bluetooth Measurement Configuration Name List** |  | *0..1* |  | This IE is present if the *Bluetooth Measurement Configuration* IE is set to Setup. |
| >**Bluetooth Measurement Configuration Name Item** |  | *1 .. <maxnoofBluetoothName>* |  |  |
| >>Bluetooth Measurement Configuration Name | M |  | OCTET STRING (SIZE (1..248)) |  |
| BT RSSI | O |  | ENUMERATED (True, …) | In case of Immediate MDT, it corresponds to M8 measurement as defined in 37.320 [31]. |

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| Range bound | Explanation |
| maxnoofBluetoothName | Maximum no. of Bluetooth local name used for Bluetooth measurement collection. Value is 4. |

#### 9.2.1.138 WLAN Measurement Configuration

This IE defines the parameters for WLAN measurement collection.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IE/Group Name | Presence | Range | IE type and reference | Semantics description |
| WLAN Measurement Configuration | M |  | ENUMERATED (Setup, …) |  |
| **WLAN Measurement Configuration Name List** |  | *0..1* |  | This IE is present if the *WLAN Measurement Configuration* IE is set to Setup. |
| **>WLAN Measurement Configuration Name Item** |  | *1 .. <maxnoofWLANName>* |  |  |
| >>WLAN Measurement Configuration Name | M |  | OCTET STRING (SIZE (1..32)) |  |
| WLAN RSSI | O |  | ENUMERATED (True, …) | In case of Immediate MDT, it corresponds to M8 as defined in 37.320 [31]. |
| WLAN RTT | O |  | ENUMERATED (True, …) | In case of Immediate MDT, it corresponds to M9 as defined in 37.320 [31]. |

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| Range bound | Explanation |
| maxnoofWLANName | Maximum no. of WLAN SSID used for WLAN measurement collection. Value is 4. |

*End of Change*