**3GPP TSG-RAN WG3 Meeting #129-bisR3-257258**

**Prague, Czech Republic, 13 – 17 October, 2025**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **38.413** | **CR** | **1340** | **rev** | **1** | **Current version:** | **19.0.0** |  |
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| *For* [***HELP***](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:*** | Correction on the NG Setup related to WAB | | | | | | | | | |
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| ***Source to WG:*** | Huawei, CANON Research Centre France, Lenovo, Samsung, Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | R3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_WAB\_5GFemto-Core | | | | |  | ***Date:*** | | | 2025-10-16 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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) Rel-20 (Release 20)* | |
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| ***Reason for change:*** | | In Rel-19, SA2 concluded that the Additional ULI can be used by the AMF as an implicit indication of a WAB-gNB. Moreover, RAN3 discussed whether to introduce an explicit WAB indicator in the NGAP messages and agreed that there is no need to introduce a new “WAB-gNB” indication in the NG SETUP REQUEST message. The main reason is that the Additional ULI already added in the NG SETUP REQUEST message.  Thus, it is worth to add description that the AMF can recognize the WAB-gNB based on the “Additional ULI” IE contained in the NG Setup Request message. | | | | | | | | |
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| ***Summary of change:*** | | * Add procedure text for the *Additional ULI* IE in NG SETUP REQUEST message, to describe that the AMF can be aware of the WAB-gNB based on such IE. * Move the procedure text about the Additional ULI as a bullet under “If the NG Setup procedure is executed between the NG-RAN node and the AMF:” | | | | | | | | |
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| ***Consequences if not approved:*** | | AMF cannot be aware of a WAB-gNB. | | | | | | | | |
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| ***Clauses affected:*** | | 8.7.1.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | Rev 1: Updated the new added sentence according to the discussion during RAN3#129bis. | | | | | | | | |

*Start of Change*

#### 8.7.1.2 Successful Operation



Figure 8.7.1.2-1: NG setup: successful operation with the AMF



Figure 8.7.1.2-2: NG setup: successful operation with the AIOTF

If the NG Setup procedure is executed between the NG-RAN node and the AMF:

- The NG-RAN node initiates the procedure by sending an NG SETUP REQUEST message including the appropriate data to the AMF. The AMF responds with an NG SETUP RESPONSE message including the appropriate data.

- If the *Configured TAC Indication* IE set to "true” is included for a Tracking Area contained in the *Supported TA List* IE in the NG SETUP REQUEST message, the AMF may take it into account to optimise NG-C signalling towards this NG-RAN node.

- If the *UE Retention Information* IE set to “ues-retained“ is included in the NG SETUP REQUEST message, the AMF may accept the proposal to retain the existing UE related contexts and signalling connections by including the *UE Retention Information* IE set to “ues-retained“ in the NG SETUP RESPONSE message.

- If the AMF supports IAB, the AMF shall include the *IAB Supported* IE in the NG SETUP RESPONSE message. If the *IAB Supported* IE is included in the NG SETUP RESPONSE message, the NG-RAN node shall, if supported, store this information and use it for further AMF selection for the IAB-MT.

- The AMF shall include the *Backup AMF Name* IE, if available, in the *Served GUAMI List* IE in the NG SETUP RESPONSE message. The NG-RAN node shall, if supported, consider the AMF as indicated by the *Backup AMF Name* IE when performing AMF reselection, as specified in TS 23.501 [9]. If the *Extended Backup AMF Name* IE is included in the *Served GUAMI List* IE in the NG SETUP RESPONSE message, the NG-RAN node shall, if supported, consider the AMF as indicated by the *Extended Backup AMF Name* IE when performing AMF reselection, as specified in TS 23.501 [9].

- If the *GUAMI Type* IE is included in the NG SETUP RESPONSE message, the NG-RAN node shall store the received value and use it for further AMF selection as defined in TS 23.501 [9].

- If the *RAN Node Name* IE is included in the NG SETUP REQUEST message, the AMF may use this IE as a human readable name of the NG-RAN node. If the *Extended RAN Node Name* IE is included in the NG SETUP REQUEST message, the AMF may use this IE as a human readable name of the NG-RAN node and shall ignore the *RAN Node Name* IE if also included.

- If the *Extended AMF Name* IE is included in the NG SETUP RESPONSE message, the NG-RAN node may use this IE as a human readable name of the AMF and shall ignore the *AMF Name* IE.

- If the *NB-IoT Default Paging DRX* IE is included in the NG SETUP REQUEST message, the AMF shall take it into account for paging.

- If the *RAT Information* IE is included in the NG SETUP REQUEST message, the AMF shall handle this information as specified in TS 23.502 [10].

- If the *NID* IE within the *NPN Support* IE is included within a *Broadcast PLMN Item* IE in the NG SETUP REQUEST message, the AMF shall consider that the NG-RAN node supports the indicated S-NSSAI(s) for the corresponding tracking area code for the SNPN identified by the *PLMN Identity* IE and the *NID* IE.

- If the *NID* IE within the *NPN Support* IE is included within a *PLMN Support Item* IE in the NG SETUP RESPONSE message, the NG-RAN node shall consider that the AMF supports the SNPN identified by the *PLMN Identity* IE and the *NID* IE.

- If the *Onboarding Support* IE is also included within the same *PLMN Support Item* IE, the NG-RAN node shall, if supported, consider that the AMF supports UE onboarding for the identified SNPN, as specified in TS 23.501 [9].

- If the *TAI NSAG Support List* IE is included in the *Broadcast PLMN Item* IE in the NG SETUP REQUEST message, the AMF shall, if supported, use this information as specified in TS 23.501 [9].

- If the AMF supports mobile IAB, the AMF shall include the *Mobile IAB Supported* IE in the NG SETUP RESPONSE message. If the *Mobile IAB Supported* IE is included in the NG SETUP RESPONSE message, the NG-RAN node shall, if supported, store this information and further use it for AMF selection for the mobile IAB-MT.

- If the *Additional ULI* IE is included in the NG SETUP REQUEST message, the AMF shall, if supported, store this information, consider that this transmitting NG-RAN node supports the WAB-gNB functionality, and take this information into account for determining the location of the UEs served by the NG-RAN node, as specified in TS 23.501 [9].

If the NG Setup procedure is executed between the NG-RAN node and the AIOTF:

- The NG-RAN node initiates the procedure by sending an NG SETUP REQUEST message including the appropriate data to the AIOTF. The AIOTF responds with an NG SETUP RESPONSE message including the *AIOTF Name* IE and the *AIOTF Identifier* IE. The NG-RAN node shall ignore the not applicable IEs in the NG SETUP RESPONSE message as specified in clause 9.2.6.2.

If the NG Setup procedure is triggered by an NG-RAN node supporting A-IoT:

- If the *A-IoT Support* IE is included in the NG SETUP REQUEST message and set to “A-IoT only”, the receiving node shall, if supported, consider that the NG-RAN node only supports A-IoT radio, and ignores the not applicable IEs as specified in clause 9.2.6.1.

- If the *A-IoT Support* IE is included in the NG SETUP REQUEST message and set to “A-IoT and NR Uu”, the receiving node shall, if supported, consider that the NG-RAN node supports both A-IoT radio and NR Uu radio.

*End of Change*