**3GPP TSG-RAN3 Meeting #108-e *R3-204103***

**E-meeting, 01 - 11 June 2020**

**Title:** (TP for WWC BL CR for TS 29.413) Support for interfacing wireline and trusted non-3GPP access to the 5GC

**Source:** Huawei, Telecom Italia, BT, Broadcom, Nokia, Nokia Shanghai Bell

**Agenda item:** 21.2

**Document for:** Other

# 1. Annex – TP

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| **Change Begins** |

5.3 Exceptions for NGAP message contents and information element coding when used for non-3GPP access

For the NGAP messages transferred between the Non-3GPP access network node and the AMF, the following exceptions to the specification in TS 38.413 [2] shall be applied:

PDU SESSION RESOURCE SETUP REQUEST message:

- the following IEs shall be ignored, when received:

- *RAN Paging Priority* IE;

- *UE Aggregate Maximum Bit Rate* IE (except for non-trusted non-3GPP access, trusted non-3GPP access and trusted WLAN access as specified in TS 23.501 [3]).

PDU SESSION RESOURCE RELEASE COMMAND message:

- the following IEs shall be ignored, when received:

- *RAN Paging Priority* IE.

PDU SESSION RESOURCE MODIFY REQUEST message:

- the following IEs shall be ignored, when received:

- *RAN Paging Priority* IE;

INITIAL CONTEXT SETUP REQUEST message:

- the following IEs shall be ignored, when received:

- *Core Network Assistance Information* IE

- *Trace Activation* IE

- *MobilityRestriction List* IE

- *UE Radio Capability* IE

- *Index to RAT/Frequency Selection Priority* IE

- *Emergency Fallback Indicator* IE

- *RRC Inactive Transition Report Request* IE

- *UE Radio Capability for Paging* IE

- *UE Aggregate Maximum Bit Rate* IE (except for non-trusted non-3GPP access, trusted non-3GPP access and trusted WLAN access as specified in TS 23.501 [3])

- *RG Level Wireline Access Characteristics* IE: the information given within this IE between the W-AGF and the AMF shall be stored in the UE context by the W-AGF as specified in TS 23.316 [x].

UE CONTEXT RELEASE COMPLETE message:

- the following IEs shall be ignored, when received:

- *Information on Recommended Cells and RAN Nodes for Paging* IE

UE CONTEXT MODIFICATION REQUEST message:

- the following IEs shall be ignored, when received:

- *RAN Paging Priority* IE

- *Index to RAT/Frequency Selection Priority* IE

- *Core Network Assistance Information* IE

- *Emergency Fallback Indicator* IE

- *RRC Inactive Transition Report Request* IE

- *UE Aggregate Maximum Bit Rate* IE (except for non-trusted non-3GPP access, trusted non-3GPP access and trusted WLAN access as specified in TS 23.501 [3])

- if this is the first message received from a new AMF, the N3IWF shall identify the old AMF and the UE using the received *RAN UE NGAP ID,* release the UE-associated logical NG-connection to the old AMF and create a new UE-associated logical NG-connection to the new AMF

UE CONTEXT MODIFICATION RESPONSE message:

- the following IEs shall be ignored, when received:

- *RRC State* IE

INITIAL UE MESSAGE message:

- *RRC Establishment Cause* IE: the information given within this IE is to indicate the establishment cause as specified in TS 23.502 [4].

- *Authenticated Indication* IE: the information given within this IE between the W-AGF and the AMF is to indicate that the FN-RG has been authenticated by the wireline 5G access network as specified in TS 23.316 [x].

- *Selected PLMN Identity* IE: the information given within this IE contains the PLMN Identity for wireline access as specified in TS 23.316 [x], or for trusted non-3GPP access as specified in TS 23.502 [4].

DOWNLINK NAS TRANSPORT message:

- the following IEs shall be ignored, when received:

- *RAN Paging Priority* IE

- *MobilityRestriction List* IE

- *Index to RAT/Frequency Selection Priority* IE

UPLINK NAS TRANSPORT message:

- *W-AGF Identity Information* IE: the information given within this IE between the W-AGF and the AMF contains a list of identifiers of NG-U terminations at W-AGF as specified in TS 23.316 [x].

- *TNGF Identity Information* IE: the information given within this IE between the TNGF and the AMF contains a list of identifiers of NG-U terminations at TNGF as specified in TS 23.502 [4].

- *TWIF Identity Information* IE: the information given within this IE between the TWIF and the AMF contains a list of identifiers of NG-U terminations at TWIF as specified in TS 23.502 [4].

NG SETUP REQUEST message:

- the following IEs shall be ignored, when received:

- *Default Paging DRX* IE

RAN CONFIGURATION UPDATE message:

- the following IEs shall be ignored, when received:

- *Default Paging DRX* IE

The *Global RAN Node ID* IE in the applicable NGAP messages between the N3IWF and the AMF includes the Global N3IWF ID as specified in TS 38.413 [2].

The *Global RAN Node ID* IE in the applicable NGAP messages between the TNGF and the AMF includes the Global TNGF ID as specified in TS 38.413 [2].

The *Global RAN Node ID* IE in the applicable NGAP messages between the TWIF and the AMF includes the Global TWIF ID as specified in TS 38.413 [2].

The *Global RAN Node ID* IE in the applicable NGAP messages between the W-AGF and the AMF includes the Global W-AGF ID as specified in TS 38.413 [2].

The *User Location Information* IE in the applicable NGAP messages between the N3IWF and the AMF includes the IP address and port number as specified in TS 38.413 [2].

The *User Location Information* IE in the applicable NGAP messages between the TNGF and the AMF includes the *TNGF User Location Information* IE as specified in TS 38.413 [2].

The *User Location Information* IE in the applicable NGAP messages between the TWIF and the AMF includes the *TWIF User Location Information* IE as specified in TS 38.413 [2].

The *User Location Information* IE in the applicable NGAP messages between the W-AGF and the AMF includes the *W-AGF User Location Information* IE as specified in TS 38.413 [2].

The Security Key IE in the applicable NGAP messages includes the KN3IWF, or the KTNGF, or KTWIF, or the KWAGF as specified in TS 33.501 [5].

The *RAN UE NGAP ID* IE in the applicable NGAP messages identifies the UE association over the NG interface within the N3IWF node, or the TNGF node, or the TWIF node, or the W-AGF node as specified in TS 38.413 [2].

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| **End Change** |