**3GPP TSG-RAN WG3 Meeting #113-e *R3-214272***

**E-meeting, 16-26 Aug 2021**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
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|  | **29.413** | **CR** | **0011** | **rev** | **1** | **Current version:** | **16.2.0** |  |
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| *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:***  | Ignoring the notification control for WWC |
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| ***Source to WG:*** | Huawei, BT |
| ***Source to TSG:*** | R3 |
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| ***Work item code:*** | 5WWC-NG\_interface-Core |  | ***Date:*** | 2021-08-16 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***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)* |
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| ***Reason for change:*** | As specified in TS 23.501, the notification control is applicable only to the NG-RAN as follows. * *The QoS Parameter Notification control indicates whether notifications are requested from the NG-RAN when the "GFBR can no longer (or can again) be guaranteed" for a QoS Flow during the lifetime of the QoS Flow*

And due to the same reason, S2-2104816 was agreed to remove the Notification Control from the Additonal QoS Information, and clarify that Notification Control is not signalled to Trusted non-3GPP Access. Also it should be clarified the Alternative QoS profiles associated with the Notification control, are not used for the non-3GPP AN. However, the Notification Control and Alternative QoS profiles are included in the GBR QoS Flow Information, which may be sent to the N3IWF, TNGF, TWIF and W-AGF. |
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| ***Summary of change:*** | * Clarify that Notification Control and Alternative QoS Parameters Set List would be ignored by the non-3GPP access network if received.

Impact assessment towards the previous version of the specification (same release):This CR has an isolated impact towards the previous version of the specification (same release).This CR only has an impact on the Nofitication Control function. |
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| ***Consequences if not approved:*** |  Unspecified and unexpected non-3GPP AN behaviour when the notification contrl and Alternative QoS profile are received.. |
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| ***Clauses affected:*** | 5.3 |
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|  | **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 ...  |
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| ***Other comments:*** |  |
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| ***This CR's revision history:*** | Rev0: R3-213753Rev1: R3-214272 Revert the changes, and add procedural texts under the section 5.3 directly.  |

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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]).

- *Notification Control* IE included in the *QoS Flow Level QoS Parameters* IE

- *Alternative QoS Parameters Set List* IE included in the *QoS Flow Level QoS Parameters* IE

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

- *Notification Control* IE included in the *QoS Flow Level QoS Parameters* IE

- *Alternative QoS Parameters Set List* IE included in the *QoS Flow Level QoS Parameters* IE

INITIAL CONTEXT SETUP REQUEST message:

- the following IEs shall be ignored, when received:

- *Core Network Assistance Information* *for RRC INACTIVE* IE

- *Trace Activation* IE

- *Mobility Restriction 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

- *Redirection for Voice EPS Fallback* IE

- *Location Reporting Request Type* IE

- *CN Assisted RAN Parameters Tuning* IE

- *SRVCC Operation Possible* IE

- *IAB Authorized* IE

- *Enhanced Coverage Restriction* IE

- *Extended Connected Time* IE

- *UE Differentiation Information* IE

- *NR V2X Services Authorized* IE

- *LTE V2X Services Authorized* IE

- *NR UE Sidelink Aggregate Maximum Bit Rate* IE

- *LTE UE Sidelink Aggregate Maximum Bit Rate* IE

- *PC5 QoS Parameters* IE

- *CE-mode-B Restricted* IE

- *UE User Plane CIoT Support Indicator* IE

- *Management Based MDT PLMN List* IE

- *UE Radio Capability ID* 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 [6].

- *Notification Control* IE included in the *QoS Flow Level QoS Parameters* IE

- *Alternative QoS Parameters Set List* IE included in the *QoS Flow Level QoS Parameters* IE

UE CONTEXT RELEASE COMPLETE message:

- the following IEs shall be ignored, when received:

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

- *Paging Assistance Data for CE Capable UE* 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

- *CN Assisted RAN Parameters Tuning* IE

- *SRVCC Operation Possible* IE

- *IAB Authorized* IE

- *NR V2X Services Authorized* IE

- *LTE V2X Services Authorized* IE

- *NR UE Sidelink Aggregate Maximum Bit Rate* IE

- *LTE UE Sidelink Aggregate Maximum Bit Rate* IE

- *PC5 QoS Parameters* IE

- *UE Radio Capability ID* 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.

- *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 [6].

UE CONTEXT MODIFICATION RESPONSE message:

- the following IEs shall be ignored, when received:

- *RRC State* IE

INITIAL UE MESSAGE message:

- the following IEs shall be ignored, when received:

- *IAB Node Indication* IE

- *CE-mode-B Support Indicator* IE

- *LTE-M Indication* IE

- *EDT Session* IE

- *NPN Access Information* IE

- *RRC Establishment Cause* IE: the information given within this IE is to indicate the Establishment cause for non-3GPP access as specified in TS 24.502 [7].

- *Selected PLMN Identity* IE: the information given within this IE provides the selected PLMN ID for untrusted non-3GPP access 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 [6].

- *Selected PLMN Identity* IE: the information given within this IE contains the PLMN Identity for wireline access as specified in TS 23.316 [6], 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

- *Mobility Restriction List* IE

- *Index to RAT/Frequency Selection Priority* IE

- *SRVCC Operation Possible* IE

- *Enhanced Coverage Restriction* IE

- *Extended Connected Time* IE

- *UE Differentiation Information* IE

- *CE-mode-B Restricted* IE

- *UE Radio Capability* IE

- *UE Capability Info Request* IE

- *End Indication* IE

- *UE Radio Capability ID* 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])

UPLINK NAS TRANSPORT message:

- *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].

- *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 [6].

NG SETUP REQUEST message:

- the following IEs shall be ignored, when received:

- *Default Paging DRX* IE

- *NB-IoT Default Paging DRX* IE

NG SETUP RESPONSE message:

- the following IEs shall be ignored, when received:

- *IAB Supported* IE

RAN CONFIGURATION UPDATE message:

- the following IEs shall be ignored, when received:

- *Default Paging DRX* IE

- *NB-IoT Default Paging DRX* IE

OVERLOAD START message:

- *AMF Overload Response* IE: if the *Overload Action* IE is included, the contained information is used to identify the related signalling traffic corresponding to the Establishment cause for non-3GPP access as specified in TS 24.502 [7].

- *Slice Overload Response* IE: if the *Overload Action* IE is included, the contained information is used to identify the related signalling traffic corresponding to the Establishment cause for non-3GPP access as specified in TS 24.502 [7].

The *Global RAN Node ID* IE in the applicable NGAP messages includes the following IEs as specified in TS 38.413 [2]:

- *Global N3IWF ID* IE for the untrusted non-3GPP access.

- *Global TNGF ID* IE for the trusted non-3GPP access.

- *Global TWIF ID* IE for the trusted WLAN access.

- *Global W-AGF ID* IE for the wireline 5G access.

The *User Location Information* IE in the applicable NGAP messages includes the following IEs as specified in TS 38.413 [2]:

- *IP address* IE and *port number* IE for the untrusted non-3GPP access.

- *TNGF User Location Information* IE for the trusted non-3GPP access.

- *TWIF User Location Information* IE for the trusted WLAN access.

- *W-AGF User Location Information* IE for the wireline 5G access.

The *Security Key* IE in the applicable NGAP messages includes the KN3IWF, or the KTNGF, or the 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].

**<Unchanged Text Omitted>**

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| **Change Ends** |