**3GPP TSG-CT WG1 Meeting #137-eC1-22xxxx**

**E-Meeting, 18th – 26th August 2022 rev of C1-224720**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **24.501** | **CR** | **4495** | **rev** | **1** | **Current version:** | **17.7.1** |  |
|  | | | | | | | | |
| *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 | **x** | Radio Access Network |  | Core Network | **x** |

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| ***Title:*** | Additional parameter with generic UE configuration update procedure | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eNS\_Ph2 | | | | |  | ***Date:*** | | | 2022-08-11 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-17 |
|  | *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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | With the generic UE configuration update procedure for the rejected NSSAI, a parameter with the back-off timer value can in current version be provided to the UE along with the “rejected NSSAI for the maximum number of UEs reached”.  However, this is not fully clear for the procedure and needs to be clarified. | | | | | | | | |
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| ***Summary of change:*** | | Add a note about that a back-off timer value associated with rejected S-NSSAI(s) can be included in the rejected NSSAI (Extended rejected NSSAI IE). | | | | | | | | |
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| ***Consequences if not approved:*** | | Unclear specification leading to late implementations of the parameter | | | | | | | | |
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| ***Clauses affected:*** | | 5.4.4.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

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\* \* \* First Change \* \* \* \*

#### 5.4.4.1 General

The purpose of this procedure is to:

a) allow the AMF to update the UE configuration for access and mobility management-related parameters decided and provided by the AMF by providing new parameter information within the command;

b) request the UE to perform a registration procedure for mobility and periodic registration update towards the network to update access and mobility management-related parameters decided and provided by the AMF (see subclause 5.5.1.3);

c) deliver the UAV authorization information to the UE, as described in 3GPP TS 23.256 [6AB]; or

d) update the PEIPS assistance information in the UE (see subclause 5.3.25).

This procedure is initiated by the network and can only be used when the UE has an established 5GMM context, and the UE is in 5GMM-CONNECTED mode. When the UE is in 5GMM-IDLE mode, the AMF may use the paging or notification procedure to initiate the generic UE configuration update procedure. The AMF can request a confirmation response in order to ensure that the parameter has been updated by the UE.

This procedure shall be initiated by the network to assign a new 5G-GUTI to the UE after:

a) a successful service request procedure invoked as a response to a paging request from the network and before the:

1) release of the N1 NAS signalling connection; or

2) suspension of the N1 NAS signalling connection due to user plane CIoT 5GS optimization i.e. before the UE and the AMF enter 5GMM-IDLE mode with suspend indication; or

b) the AMF receives an indication from the lower layers that it has received the NGAP UE context resume request message as specified in 3GPP TS 38.413 [31] for a UE in 5GMM-IDLE mode with suspend indication and this resumption is a response to a paging request from the network, and before the:

1) release of the N1 NAS signalling connection; or

2) suspension of the N1 NAS signalling connection due to user plane CIoT 5GS optimization i.e. before the UE and the AMF enter 5GMM-IDLE mode with suspend indication.

If the service request procedure was triggered due to 5GSM downlink signalling pending, the procedure for assigning a new 5G-GUTI can be initiated by the network after the transport of the 5GSM downlink signalling.

The following parameters are supported by the generic UE configuration update procedure without the need to request the UE to perform the registration procedure for mobility and periodic registration update:

a) 5G-GUTI;

b) TAI list;

c) Service area list;

d) Network identity and time zone information (Full name for network, short name for network, local time zone, universal time and local time zone, network daylight saving time);

e) LADN information;

f) Rejected NSSAI;

NOTE: A cause value associated with a rejected S-NSSAI can be included in the Rejected NSSAI IE or in the Extended rejected NSSAI IE and a back-off timer value associated with rejected S-NSSAI(s) can be included in the Extended rejected NSSAI IE.

g) void;

h) Operator-defined access category definitions;

i) SMS indication;

j) "CAG information list";

k) UE radio capability ID;

l) 5GS registration result;

m) Truncated 5G-S-TMSI configuration;

n) T3447 value;

o) "list of PLMN(s) to be used in disaster condition";

p) disaster roaming wait range;

q) disaster return wait range; and

r) PEIPS assistance information; and

s) Priority indicator.

The following parameters can be sent to the UE with or without a request to perform the registration procedure for mobility and periodic registration update:

a) Allowed NSSAI;

b) Configured NSSAI;

c) Network slicing subscription change indication; or

d) NSSRG information.

The following parameters are sent to the UE with a request to perform the registration procedure for mobility and periodic registration update:

a) MICO indication;

b) UE radio capability ID deletion indication; and

c) Additional configuration indication.

The following parameters can be included in the Service-level-AA container IE to be sent to the UE without a request to perform the registration procedure for mobility and periodic registration update:

a) Service-level device ID;

b) Service-level-AA payload type;

c) Service-level-AA payload; or

d) Service-level-AA response.

The following parameters are sent over 3GPP access only:

a) LADN information;

b) MICO indication;

c) TAI list;

d) Service area list;

e) "CAG information list";

f) UE radio capability ID;

g) UE radio capability ID deletion indication;

h) Truncated 5G-S-TMSI configuration;

i) Additional configuration indication;

j) T3447 value; and

k) Service-level-AA container.

The following parameters are managed and sent per access type i.e., independently over 3GPP access or non-3GPP access:

a) Allowed NSSAI;

b) Rejected NSSAI (when the NSSAI is rejected for the current registration area or is rejected for the maximum number of UEs reached); and

c) If the UE is not registered to the same PLMN or SNPN over 3GPP and non-3GPP access:

- 5G-GUTI;

- Network identity and time zone information;

- Rejected NSSAI (when the NSSAI is rejected for the current PLMN or SNPN or rejected for the failed or revoked NSSAA);

- Configured NSSAI;

- NSSRG information;- SMS indication;

- 5GS registration result; and

- PEIPS assistance information.

If the UE is registered to the same PLMN or SNPN over 3GPP and non-3GPP access, the following parameters are managed commonly and sent over 3GPP access or non-3GPP access:

a) 5G-GUTI;

b) Network identity and time zone information;

c) Rejected NSSAI (when the NSSAI is rejected for the current PLMN or SNPN or rejected for the failed or revoked NSSAA);

d) Configured NSSAI;

e) SMS indication; and

f) 5GS registration result;

g) "list of PLMN(s) to be used in disaster condition";

h) disaster roaming wait range;

i) disaster return wait range;

j) PEIPS assistance information; and

k) NSSRG information;



Figure 5.4.4.1.1: Generic UE configuration update procedure

\* \* \* End of Changes \* \* \* \*