**3GPP TSG-CT WG4 Meeting #98eC4-203334**

**E-Meeting, 02nd – 12th June 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.563** | **CR** | **0003** | **rev** | **-** | **Current version:** | **16.0.0** |  |
|  | | | | | | | | |
| *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 |  | Core Network | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | Initial Registration | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | CT4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | UDICOM | | | | |  | ***Date:*** | | | 2020-05-07 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | When the UE performs an initial registration, the UDM must send an indication to the HSS to cancel a previous MME potentially registered in EPS only if the dual registration flag is not set.  However, in the same scenario, the HSS must cancel a previous SGSN potentially registered in EPS regardless of the setting of the dual registration flag. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add a new deregistration reason, so UDM can indicate HSS that the deregistration is to be done only towards SGSN (if any) but not towards MME due to the presence of both intitial registration and dual registration flags received from AMF. | | | | | | | | |
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| ***Consequences if not approved:*** | | Misalignment with stage-2 specifications. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.3.6.3.3, A.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 introduces backwards-compatible new features to the following OpenAPI specifications:  - TS29563\_Nhss\_UECM.yaml | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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

##### 6.3.6.3.3 Enumeration: DeregistrationReason

Table 6.3.6.3.3-1: Enumeration DeregistrationReason

|  |  |
| --- | --- |
| Enumeration value | Description |
| "UE\_INITIAL\_AND\_SINGLE\_REGISTRATION" | This value is used when the UDM needs to indicate to HSS that the MME/SGSN, if any, shall be cancelled due to an initial registration for single registration. |
| "UE\_INITIAL\_AND\_DUAL\_REGISTRATION" | This value is used when the UDM needs to indicate to HSS that an SGSN shall be cancelled (due to initial registration), but the MME shall not be cancelled (due to dual registration). |
| "EPS\_TO\_5GS\_MOBILITY" | This value is used when the UDM needs to indicate to HSS that the MME/SGSN, if any, shall be cancelled due to a mobility event (i.e. for single registration which is not an initial registration). |

\* \* \* Next Change \* \* \* \*

## A.4 Nhss\_UEContextManagement API

***(… text not shown for clarity …)***

# ENUMS:

DeregistrationReason:

anyOf:

- type: string

enum:

- UE\_INITIAL\_AND\_SINGLE\_REGISTRATION

- UE\_INITIAL\_AND\_DUAL\_REGISTRATION

- EPS\_TO\_5GS\_MOBILITY

- type: string

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