**3GPP TSG CT WG3 Meeting #130C3-234455**

Xiamen China, 09th - 13th October, 2023 (revision of C3-234095)

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.507** | **CR** | **0269** | **rev** | **1** | **Current version:** | **18.3.0** |  |
|  | | | | | | | | |
| *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:*** | Correction on description of rfspValTime | | | | | | | | | |
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| ***Source to WG:*** | China Telecom | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | AMP | | | | |  | ***Date:*** | | | 2023-10-09 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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)* | |
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| ***Reason for change:*** | | How to use “rfspValTime” in 5GS access to EPS access is not clear enough. | | | | | | | | |
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| ***Summary of change:*** | | Add expiration description in use of “rfspValTime”. | | | | | | | | |
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| ***Consequences if not approved:*** | | Misunderstanding on use of “rfspValTime”. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 4.2.2.3.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 does not impact the OpenAPI. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**Additional discussion(if needed):**

**…**

**Proposed changes:**

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| **First change** |

##### 4.2.2.3.2 RFSP Index

The RFSP Index is an index referring to a UE information used locally by the Access Network in order to apply specific radio resource management strategies. It shall be encoded using the RfspIndex data type defined in 3GPP TS 29.571 [11].

If the feature "TargetNSSAI" is supported and when the PCF receives the Target NSSAI from the NF service consumer, the PCF shall, if the Policy Control Request Trigger "Generation of Target NSSAI" is provisioned in the response, additionally provide the RFSP Index associated with the Target NSSAI.

In order for the PCF to determine the RFSP Index value that will be authorized, the PCF shall be configured with a mapping between the RAT Type and/or frequency value and the RFSP Index.

NOTE 1: The RFSP index value that will be authorized is determined based on operator policies that take into consideration e.g. accumulated usage, analytics information related to load level information per network slice instance, UE communication, user data congestion or service experience, etc.

The PCF may determine an RFSP Index value that indicates that the EPC/E-UTRAN access is prioritized over 5GS access. In this case, if the feature "RFSPValidityTime" is supported, the PCF may, based on operator policy, send to the AMF a validity time associated to the provided RFSP Index within the "rfspValTime" attribute. When the AMF determines to use the RFSP Index received from the PCF, the AMF provides to the MME the validity time of the RFSP Index, if received. The validity time indicates the time for which the RFSP Index will be used in the MME after 5GS to EPS mobility, as specified in clause 4.11.1.5.8 of 3GPP TS 23.502 [3].

NOTE 2: The RFSP validity time is used by the MME to allow the UE to stay in EPS during the period of time indicated by the "rfspValTime" attribute and avoid the potential ping-pong issue from 5GS and EPS (i.e., 5GS keeps sending the UE to EPS based on authorized RFSP Index from PCF, and the EPS keeps sending the UE back to 5GS immediately based on the subscribed RFSP Index).

Upon reception of the authorized RFSP index, the NF service consumer (e.g. AMF) shall choose the RFSP Index in use as described in 3GPP TS 23.501 [2] clause 5.3.4.3.1.

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| **End of changes** |