**3GPP TSG-WG SA2 Meeting #158 *S2-2309470***

**Gothenburg, Sweden, 21-25 August 2023 (revision of S2-23048676)**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **23.501** | **CR** | **4767** | **rev** | **1** | **Current version:** | **18.2.2** |  |
|  |
| *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:***  | Meaning of availability for 3GPP access |
|  |  |
| ***Source to WG:*** | Qualcomm Incorporated |
| ***Source to TSG:*** | SA2 |
|  |  |
| ***Work item code:*** | ATSSS\_Ph3 |  | ***Date:*** | 2023-08-11 |
|  |  |  |  |  |
| ***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 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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
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| ***Reason for change:*** | The (UE generated) PMF reports are used by the UPF in ATSSS to understand whether a certain access of the MA PDU Session is available or unvailable. It is also described that the UE reports availability/unavailability of accesses based on implementation.While for a non-3GPP access the meaning of available is clear (since there is no concept of UE in CM-idle mode), for a 3GPP acces it is unclear if it is available only when the UE is in CM-connected mode or also when the UE is in CM-idle mode. This could lead to interoperability issues and/or unnecessary signaling (due to paging) in scenarios in which the UE is in CM-idle mode over the 3GPP access but still reports that the 3GPP access is available. |
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| ***Summary of change:*** | It is clarified that for a 3GPP access the PMF reports it is available if the UE is in CM-connected mode over that access, while it reports the access is unavailable if the UE is in CM-idle mode over that access. |
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| ***Consequences if not approved:*** | Unclear specification which could lead to interoperability issues and unnecessary signaling. |
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| ***Clauses affected:*** | 5.32.5.3 |
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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 ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

>>>>BEGINNING OF CHANGES<<<<

#### 5.32.5.3 Access Availability/Unavailability Report

If required by the network in the Measurement Assistance Information, the UE shall provide access availability/unavailability reports to the network. How the UE detects the unavailability and the availability of an access is based on implementation. A 3GPP access is considered available independently of whether the UE is CM-IDLE or CM-CONNECTED. When the UE detects the unavailability/availability of an access, it shall:

- build a PMF-Access Report containing the access type and an indication of availability/unavailability of this access;

- send the PMF-Access Report to the UPF via the user plane.

The UPF shall acknowledge the PMF-Access Report received from the UE.

>>>>END OF CHANGES<<<<