**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 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-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<<<<