**SA WG2 Meeting #143eS2-2100076**

**Feb 24th – March 9th, 2021 ; Elbonia (revision of S2-2100076)**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.316** | **CR** | **2056** | **rev** | **-** | **Current version:** | **16.6.0** |  |
|  | | | | | | | | |
| *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:*** | MA PDU sessions with connectivity over E-UTRAN/EPC and non-3GPP access to 5GC | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell, Bell, Deutsche Telekom, Ericsson, InterDigital, | | | | | | | | | |
| ***Source to TSG:*** | S2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | ATSSS\_Ph2 | | | | |  | ***Date:*** | | | 2021-01-18 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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:*** | | Objectives of ATSSS\_Ph2 WID in S P-200977  b) Support for UEs to establish MA PDU Sessions with a 3GPP access leg over EPC and a non-3GPP access leg over 5GC, according to the conclusions in TR 23.700-93, clause 8.3. | | | | | | | | |
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| ***Summary of change:*** | | The text that was text currently in R16 23.316 § 4.12.3 and was describing the feature to apply only to 5G RG is moved to 23.501 § 5.32 and adapted to:  - apply to any UE and over and non-3GPP access  - support Ethernet PDU Session type (for non 5G RG) as documented in TR 23.700-93, clause 8.3 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | No Support for UEs to establish MA PDU Sessions with a 3GPP access leg over EPC and a non-3GPP access leg over 5GC | | | | | | | | |
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| ***Clauses affected:*** | | 4.12.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 23.501 CR 2527 | | |
| ***affected:*** | |  | **x** | Test specifications | | | |  | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
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| ***This CR's revision history:*** | | This CR has been built assuming that the description of a MA PDU Session with multi-access connectivity over E-UTRAN/EPC and W-5GAN can refer to the generic support of the MA PDU session with multi-access connectivity over E-UTRAN/EPC and non-3GPP access over 5GC described now on 23.501 | | | | | | | | |

*FIRST CHANGE*

### 4.12.3 Hybrid Access with multi-access connectivity over E-UTRAN/EPC and W-5GAN

#### 4.12.3.1 General

This clause applies to the case where multi-access connectivity via both EPC and 5GC is supported in the 5G-RG and network. In this case, multi-access connectivity using ATSSS via both EPC and 5GC may be provided as described in this clause.

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For a 5G-RG, a Multi-Access PDU Session may use user-plane resources of an associated PDN Connection on 3GPP access in EPC. This enables a scenario where a MA PDU Session can simultaneously be associated with user-plane resources on 3GPP access network connected to EPC and W-5GAN connected to 5GC. Such a PDN Connection in EPS would thus be associated with multi-access capability in 5G-RG and PGW-C+SMF.

The feature is supported as defined in 23.501, clause 5.32 with following difference:

- UE is replaced by 5G-RG.

- 5G-RG is connected to 5GC via a non-3GPP access corresponding to W-5GAN.

- MA PDU Sessions of Ethernet PDU Session type where the 3GPP access corresponds to E-UTRAN/EPC are not applicable for 5G-RG.

#### 4.12.3.2 Void

#### 4.12.3.3 Void

*NEXT CHANGE (2)*

*NEXT CHANGE (3)*

*NEXT CHANGE (4)*

*NEXT CHANGE (5)*

*END OF CHANGES*