**SA WG2 Meeting #S2-143E S2-210xxxx**

**24 February - 9 March 2021, Electronic, Elbonia (revision of S2-210xxxx)**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.501** | **CR** | **<CR#>** | **rev** | **-** | **Current version:** | **16.7.0** |  |
|  | | | | | | | | |
| *For* ***HE******LP*** *on using this form: comprehensive instructions can be found at  http://www.3gpp.org/Change-Requests.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME | **x** | Radio Access Network | **x** | Core Network | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | KI#1 – T5, Enable mobility between networks | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ZTE | | | | | | | | | |
| ***Source to TSG:*** | SA WG2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eNPN | | | | |  | ***Date:*** | | | 2021-01-25 |
|  |  | | | |  | |  | | |  |
| ***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. | | | | | | | | *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:*** | | According to the conclusion of KI#1 of FS\_eNPN, SNPN mobility can be supported from the source network to target network.  - In the case that there are common AMF and/or N14 interface between the source network and target network, mechanism defined in TS 23.502 [6] clause 4.9.1 is re-used to address UE mobility.  - In the case of idle mode mobility, the UE performs initial or mobility registration as specified in clause 4.2.2.2.2 of TS 23.502 [6].  This is modify the general registration procedureb to implement this. | | | | | | | | |
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| ***Summary of change:*** | | Remove the restriction on the handover. Adding a new subclause on the mobility between SNPNs and PLMN. | | | | | | | | |
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| ***Consequences if not approved:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.30.2.0, 5.30.2.X (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  |  | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  |  | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  |  | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

*FIRST CHANGE*

#### 5.30.2.0 General

SNPN 5GS deployments are based on the architecture depicted in clause 4.2.3, the architecture for 5GC with untrusted non-3GPP access (Figure 4.2.8.2.1-1) for access to SNPN services via a PLMN (and vice versa) and the additional functionality covered in clause 5.30.2. In this Release, direct access to SNPN is specified for 3GPP access only.

Interworking with EPS is not supported for SNPN. Also, emergency services are not supported for SNPN. Furthermore, roaming is not supported for SNPN, e.g. roaming between SNPNs. . CIoT 5GS optimizations are not supported in SNPNs.

*NEXT CHANGE*

#### 5.30.2.X Mobility between SNPN and PLMN

The mobility between SNPN and PLMN, or between different SNPNs may be supported.

For the idle mode mobility, the UE may perform Initial or mobility registration as specified in TS 23.502 [3] clause 4.2.2.2.2. For the connected mode mobility, the UE is handed over from source network to target network as specified in TS 23.502 [3] clause 4.9.1 if there are common AMF and/or N14 interface between the source network and target network.

*END OF CHANGES*