**3GPP TSG-SA WG6 Meeting #48-e S6-220748r1**

**e-meeting, 5th – 14th April 2022 (revision of S6-22xxxx)**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
|  |
| *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:***  | Issues on usage of ACR with LADNs |
|  |  |
| ***Source to WG:*** | InterDigital |
| ***Source to TSG:*** | S6 |
|  |  |
| ***Work item code:*** |  |  | ***Date:*** |  |
|  |  |  |  |  |
| ***Category:*** |  |  | ***Release:*** |  |
|  | *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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | In some scenarions, it is not possible to execute all application context relocation scenarios between entities that reside in different EDN Service Areas.For example, when an EDN is deployed using LADN, the EDN service area is same as the LADN service area. If the UE leaves the service area before application context relocation is completed, then the UE will lose the ability to communicate with the source EES or EAS and the procedure may fail. |
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| ***Summary of change:*** | Added a note to point out that it is not possible to execute all application context relocation scenarios between entities that reside in different EDN Service Areas. |
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| ***Consequences if not approved:*** | There would be nothing in the specification to warn that it is not possible to to execute all application context relocation scenarios. |
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| ***Clauses affected:*** | 7.3.3.4 |
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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:*** |  |

#### 7.3.3.4 EDN service area

A service area from which the access to the EDN is allowed. ECSPs can use LADNs, as described in Annex A.2.4 of this document, to deploy EDNs with access restricted from specific areas. When an EDN is deployed using LADN, the EDN service area is same as the LADN service area and rules specified for LADN apply to the UE, as specified in 3GPP TS 23.501 [2].

In a deployment using DNs other than LADNs, the EDN service area is the whole PLMN for non-roaming scenario.

NOTE 1: The EDN service area for roaming scenario is out of scope in this release of the specification.

NOTE 2: For the purpose of restricting the access to the EES from specific areas, ECSP can use the EES service area, which is specified in clause 7.3.3.5, even if the EDN service area is the whole PLMN.

NOTE 3: When an EDN is deployed using LADN, it is not possible to execute all application context relocation scenarios between entities that reside in non-overlapping EDN Service Areas.

The EDN service area may be expressed as a Topological Service Area.