**3GPP TSG-SA6 Meeting #54-e *S6-231411***

**Online, , 17th Apr 2023 - 26th Apr 2023**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **23.558** | **CR** | **0349** | **rev** | **-** | **Current version:** | **18.2.0** |  |
|  |
| *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 | **X** | Radio Access Network |  | Core Network | **X** |

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|  |
| ***Title:***  | Application groups entity relationships |
|  |  |
| ***Source to WG:*** | VODAFONE Group Plc |
| ***Source to TSG:*** | S6 |
|  |  |
| ***Work item code:*** | EDGEAPP\_Ph2 |  | ***Date:*** | 11 April 2023 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***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)* |
|  |  |
| ***Reason for change:*** | Capability of application groups served by a common server will be clearer with a descriptive annex. |
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| ***Summary of change:*** | An informative sub-annex of annex B Involved entities and relationships is added |
|  |  |
| ***Consequences if not approved:*** | Application groups specification is not clear. |
|  |  |
| ***Clauses affected:*** | B.X (new)  |
|  |  |
|  | **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:*** |  |

# B.X Application Groups

This clause describes the relationship of edge computing service providers, PLMN operators, application service providers, application client instances, and UEs for a group of application clients being served by a common application server.

UE\_Alice

client\_app\_1

client\_app\_2

UE\_Bob

client\_app\_3

client\_app\_5

UE\_Carol

client\_app\_1

client\_app\_3

client\_app\_4

client\_app\_5

Application Group with an Application Group ID

Figure B-X: Relationships involved in application clients served by a common server

The application service provider controls app\_3 in all locations, including at different ECSPs. The application group ID links a server and clients that are all part of app\_3. The application group ID is unique across ECSPs and PLMNs, i.e. the application ID alone is sufficient to uniquely identify the group in Figure B-X without any ECSP or PLMN identifiers. UE\_Bob and UE\_Carol can be thought of as being in the same group but could also simultaneously be in other groups unrelated to app\_3. An app\_3 group being simultaneously provided to other app\_3 clients by ECSP B will use a different Application Group ID. In all cases, the ASP is the single point of control of Application Group ID.