**3GPP TSG- Meeting #**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  |  | **CR** |  | **rev** | **1** | **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 |  |

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| ***Title:*** | – option 1 | | | | | | | | | |
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| ***Source to WG:*** | Samsung | | | | | | | | | |
| ***Source to TSG:*** | CT1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | | 2020-05-26 |
|  |  | | | |  | |  | | |  |
| ***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 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-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:*** | | SoR is sent integrity protected way so that the VPLMN delivering the SoR can not alter the SoR information to steer the UEs to its network and therefore ensuring the SoR will work as per the HPLMN policy.  However, following way a VPLMN can modify the CAG information sent steer the roamers to its network and hence the UE will not select a PLMN according to the sent SoR list.   1. When a UE registering to a VPLMN A, the VPLMN A in the CAG information list sends an indication for another VPLMN B as CAG only. In addition can send empty CAG list.according to the SoR VPLMN A has lower priority than VPLMN B.   If the VPLMN B has not CAG cell at the current location then there is no suitable cell of VPLMN B then the UE selects VPLMN A, although VPLMN A is not prefered PLMN according to the SoR. | | | | | | | | |
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| ***Summary of change:*** | | Specify that   1. when the UE is registering to a HPLMN then the HPLMN will send the CAG information list consisting of CAG subscription related to VPLMN only. 2. If the UE is registering to the HPLMN then the HPLMN may send in CAG information list includes CAG information of VPLMN(s).   When the UE receives the CAG information list consisting of CAG subscription for PLMN(s) other than VPLMN then the UE shall discard the CAG information list. | | | | | | | | |
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| ***Consequences if not approved:*** | | A rogue VPLMN may steer the UE to its network and SoR mechanism will fail. | | | | | | | | |
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| ***Clauses affected:*** | |  | | | | | | | | |
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|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 24.501 CR 2128 | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

## 3.8 CAG selection (N1 mode only)

The MS may support CAG.

If the MS supports CAG, the MS can be provisioned with a "CAG information list", consisting of zero or more entries, each containing:

a) a PLMN ID;

b) an "Allowed CAG list". The "Allowed CAG list" contains zero or more CAG-IDs; and

c) an optional "indication that the MS is only allowed to access 5GS via CAG cells".

The "CAG information list" is stored in the ME.

If the MS supports CAG and is provisioned with a non-empty "CAG information list" then CAG selection is performed as part of subclause 4.4.3.1.1 and subclause 4.4.3.1.2.

If a PLMN is selected as described in subclause 4.4.3.1.1 and there exists an entry in the "CAG information list" which includes a PLMN ID corresponding to the identity of the selected PLMN and an "Allowed CAG list" containing a CAG-ID broadcast by the cell on which the MS is camping, then the MS shall consider the CAG-ID as the selected CAG-ID. In this case, if the "Allowed CAG list" contains more than one CAG-IDs broadcast by the cell on which the MS is camping, the MS shall select one of those CAG-IDs based on MS implementation. When the UE is registering or registered to a VPLMN then the HPLMN will send the CAG information list consisting of CAG subscription related to VPLMN only. If the UE is registering to the HPLMN then the HPLMN may send complete CAG subscription in the "CAG information list".

If a PLMN is selected as described in subclause 4.4.3.1.2, the selected CAG-ID is determined according to subclause 4.4.3.1.2.

The NAS shall provide the AS with a "CAG information list", if available. If the contents of the "CAG information list" have changed, the NAS shall provide an updated "CAG information list" to the AS.