**3GPP TSG-CT WG1 Meeting #137-eC1-224800**

**E-Meeting, 18th – 26th August 2022**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **24.501** | **CR** | **4536** | **rev** | **-** | **Current version:** | **17.7.1** |  |
|  | | | | | | | | |
| *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:*** | update of the UPSI(s) in the PLMN | | | | | | | | | |
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| ***Source to WG:*** | vivo | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eNPN | | | | |  | ***Date:*** | | | 2022-08-07 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
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| ***Reason for change:*** | | Based on the requirement of stage 2 in TS 23.503 as following:  +++  *If a UE accesses an SNPN using credentials from a CH, the UE applies URSP rules as follows:*  *- The UE first evaluates (in precedence order) the URSP rules, if any, provisioned (signalled) by the PCF of this SNPN, following the procedure described in clause 6.6.2.3.*  *- If none of the URSP rules received from this SNPN match, then the UE evaluates (in precedence order) the URSP rules, if any, provisioned (signalled) by the PCF of the network (HPLMN or SNPN) holding the credentials when previously registered in the network holding the credentials, following the procedure described in clause 6.6.2.3.*  ***……***  +++  When the UE supporting access to an SNPN using credentials from a credentials holder is **registered or reigistering with the network (HPLMN or SNPN) holding the credentials,** the network (HPLMN or SNPN) may provide the URSP rules used in the non-subscribed SNPN and the UE may store the related UPSIs.  For the PLMN case, when the UE registers with HPLMN, if needed, the HPLMN may also provide to UE the URSP rules used by the UE accessing an SNPN using credentials from a CH based on the UPSI(s) provided by the UE.  For the current specification, it is specified that, for the SNPN case, how the UE provides the URSP rules used by the UE accessing an SNPN using credentials from a CH, but for the PLMN case, the related statement is not clear.  Therefore, it is proposed that, for the registration procedure for initial registration in the PLMN, if the UE supports access to an SNPN using credentials from a CH, the UE should provide the UE policy sections identified by a UPSI with the PLMN ID part indicating the HPLMN. Then, the HPLMN could provide or update the URSP rules used by the UE accessing an SNPN using credentials from a CH to the UE. | | | | | | | | |
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| ***Summary of change:*** | | If the UE supports access to an SNPN using credentials from a credentials holder and is registering with the HPLMN, this IE shall be included if the UE has one or more stored UE policy sections identified by a UPSI with the PLMN ID part indicating the HPLMN for the registration procedure for the registration procedure for initial registration.  Backwards compatibility analysis:  The change has no impact on the signalling interface, so there is no backwards compatible issue on the change of this CR. | | | | | | | | |
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| ***Consequences if not approved:*** | | When the UE registers with a PLMN, the PLMN cannot provide to UE the URSP rules used by the UE accessing an SNPN using credentials from a CH. | | | | | | | | |
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| ***Clauses affected:*** | | 8.2.6.18 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \*

#### 8.2.6.18 Payload container

Within a PLMN, this IE shall be included if the UE has one or more stored UE policy sections identified by a UPSI with the PLMN ID part indicating the HPLMN or the selected PLMN for the registration procedure for mobility and periodic registration update due to inter-system change from S1 mode to N1 mode of a UE operating in the single-registration mode or for the registration procedure for initial registration. If the UE supporting access to an SNPN using credentials from a credentials holder and is registering with the HPLMN, this IE shall be included if the UE has one or more stored UE policy sections identified by a UPSI with the PLMN ID part indicating the HPLMN for the registration procedure for the registration procedure for initial registration.

Within an SNPN, this IE shall be included if the UE has one or more stored UE policy sections for the selected SNPN for the registration procedure for initial registration.

\* \* \* End of Changes \* \* \* \*