**3GPP TSG-CT WG1 Meeting #125-eC1-204801**

**Electronic meeting, 20-28 August 2020 *was* C1-20xxxx**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.526** | **CR** | **0085** | **rev** | **1** | **Current version:** | **16.4.0** |  |
|  | | | | | | | | |
| *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 |  |

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| ***Title:*** | Optimization of handling unknown or unexpected URSP rules | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ZTE | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GProtoc17 | | | | |  | ***Date:*** | | | 2020-08-21 |
|  |  | | | |  | |  | | |  |
| ***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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | URSP is a list of URSP rules. Each URSP rule is composed of:  - a precedence value  - a traffic desriptpr  - a list of selection descriptors  For unknown or unexpected URSP rules, it idefined as the network provides URSP rules including any new component in the traffic descriptor or in the route selection descriptor which is not recognized by the UE, such URSP rules are unknown or unexpected to the UE. In this case, the UE shall ignore the unknown or unexpected URSP rules when evaluating the URSP rules to associate an application either with a PDU session or with non-seamless non-3GPP offload.  Based on the handling above, this URSP rule will be ignored when there is one selection decriptor including component which the UE is not able to recognize. In this way, the UE may miss the opportunity to select other selection descriptors in this list which is the appropriate one. Worsely, the UE may fail to select a matched URSP rule for application due to miss those appropriate selection descriptors. | | | | | | | | |
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| ***Summary of change:*** | | If the route selection descriptor of this URSP rule includes any component which is not recognized by the UE, the UE shall skip this route selection descriptor and select a route selection descriptor with the next smallest precedence value which has not yet been evaluated. | | | | | | | | |
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| ***Consequences if not approved:*** | | The UE may fail to select appropriate URSP rule applied for the application traffic. | | | | | | | | |
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| ***Clauses affected:*** | | 4.2.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

\* \* \* 1st Change \* \* \* \*

### 4.2.3 Unknown or unexpected URSP rules

If the network provides URSP rules including any new component in the traffic descriptor or in the route selection descriptor which is not recognized by the UE, the 5G-RG or the W-AGF acting on behalf of an FN-RG, such URSP rules are unknown or unexpected to the UE, the 5G-RG or the W-AGF acting on behalf of an FN-RG. In this case:

- if the traffic descriptor of this URSP rule includes any component which is not recognized by the UE, the UE shall skip this URSP rule when evaluating the URSP rules to associate an application either with a PDU session or with non-seamless non-3GPP offload;

- if the traffic descriptor of this URSP rule includes any component which is not recognized by the 5G-RG or the W-AGF acting on behalf of an FN-RG, the 5G-RG or the W-AGF acting on behalf of an FN-RG shall skip this URSP rule when evaluating the URSP rules to associate an application either with a PDU session;

- if the route selection descriptor of this URSP rule includes any component which is not recognized by the UE, the 5G-RG or the W-AGF acting on behalf of an FN-RG, the UE, the 5G-RG or the W-AGF acting on behalf of an FN-RG shall skip this route selection descriptor and handle this URSP rule with the remaining route selection descriptors.

\* \* \* End of Change \* \* \* \*