**3GPP TSG-CT WG1 Meeting #138-eC1-22XXXX**

**E-Meeting, 10th – 14th October 2022**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **24.502** | **CR** | **0206** | **rev** | **1** | **Current version:** | **17.6.0** |  |
|  |
| *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:***  | Added PLMN List with AAA connectivity to 5GC IE |
|  |  |
| ***Source to WG:*** | Lenovo |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | NSWO\_5G |  | ***Date:*** | 2022-10-10 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***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 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)* |
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| ***Reason for change:*** | Clause 6.3.12b in TS 23,501 defines a new list of PLMNs advertized by a discovered WLAN which can be used by the UE with the HPLMN listed in the new list of PLMNs to connect to use the 5G NSWO authentication procedure defined in TS 33.501. This new list of PLMNs is necessary as described in S2-2206732, since otherwise it would be impossible for the UE to determine for the UE whether it initiates the Authentication and Key Agreement procedure specified in TS 33.402 or the NSWO authentication procedure specified in TS 33.501. |
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| ***Summary of change:*** | Added related text for selection procedure for PLMN List with AAA connectivity to 5GC IE to perform NSWO procedure in 5GS.**Backward compatibility analysis on the UE:**The PLMN List with AAA connectivity to 5GC is not backward compatible to 3GPP TS 24.502 V17.6.0. A UE not having implemented this List of PLMN with AAA connectivity to 5GC, cannot determine how to initiate the NSWO authentication procedure specified in TS 33.501.**Backward compatibility analysis on the WLAN:**The PLMN List with AAA connectivity to 5GC is not backward compatible to 3GPP TS 24.502 V17.6.0. A WLAN not having implemented this List of PLMN with AAA connectivity to 5GC, cannot allocate NSWOF for the UE to perform the NSWO authentication procedure specified in TS 33.501. |
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| ***Consequences if not approved:*** | The UE with NSWO authentication capability cannot identify PLMNs for connecting to 5GCN to perform 5G NSWO authentication procedure defined in TS 33.501. |
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| ***Clauses affected:*** | 5.3C (new) |
|  |  |
|  | **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:*** |  |

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* NEXT CHANGE \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

## 5.3C PLMN selection procedures to perform NSWO procedure in 5GS

To perform the procedure for NSWO in 5GS, the UE shall access the 5GS by selecting:

a) if available, a WLAN listing the UE's HPLMN in its PLMN List with AAA connectivity to 5GC IE (see annex H of 3GPP TS 24.302 [7]) and using a NAI as specified in clause 28.7.3 of 3GPP TS 23.003 [8]; otherwise:

b) a WLAN with the highest priority PLMN from the PLMN List with AAA connectivity to 5GC IE and using a decorated NAI as specified in clause 28.7.9 of 3GPP TS 23.003 [8].

NOTE: UEs which can perform NSWO in 5GS only use the PLMN List with AAA connectivity to 5GC IE to perform NSWO procedure in 5GS, and the PLMN List with AAA connectivity to 5GC IE is only used by UEs which can perform NSWO procedure in 5GS.

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* END OF CHANGES \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***