**3GPP TSG-CT WG4 Meeting #110-eC4-223235**

**E-Meeting, 12th – 20th May 2022**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **29.536** | **CR** | **0012** | **rev** | **-** | **Current version:** | **17.0.0** |  |
|  |
| *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 |  | Radio Access Network |  | Core Network | **X** |

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| ***Title:***  | Removal of NSACF from HPLMN in LBO Model |
|  |  |
| ***Source to WG:*** | Huawei |
| ***Source to TSG:*** | CT4 |
|  |  |
| ***Work item code:*** | eNS\_Ph2 |  | ***Date:*** | 2022-05-04 |
|  |  |  |  |  |
| ***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 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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | In R17, the NSACF in HPLMN is not used for the roaming with LBO scenario, as agreed in CR 3582 (S2-2203032) of 3GPP TS 23.501.Therefore, the specification shall be updated to align with the agreement. |
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| ***Summary of change:*** | Update the description in NSAC support in roaming to remove the hNSACF in HPLMN for LBO session. |
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| ***Consequences if not approved:*** | Misalignment with stage2. |
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| ***Clauses affected:*** | 4.2 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** | **X** |  |  Other core specifications  | TS 23.501 CR 3582  |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** | This contribution does not change the OpenAPI. |
|  |  |
| ***This CR's revision history:*** |  |

\* \* \* First Change \* \* \* \*

## 4.2 NSAC support in roaming

In the roaming scenario, depending on operator's policy and roaming agreement, the NSAC procedure may be performed by the VPLMN for roaming UEs (see clause 5.15.11.3 of 3GPP TS 23.501 [2]).

For roaming UEs with LBO PDU session, the vNSACF offers service to the NF in the VPLMN (e.g. AMF in the VPLMN, anchor SMF in the VPLMN). The hNSACF in the HPLMN is not used in this release of the specification (see clause 4.2.4 of 3GPP TS 23.501 [2]).

If the VPLMN is configured to perform NSAC procedure, for roaming UE with HR PDU session, the vNSACF offers service to the NF in VPLMN (e.g. AMF in VPLMN) while the hNSACF offers service to the NF in HPLMN (e.g. anchor SMF in the HPLMN).

If the NSAC service is only provisioned in the HPLMN and the VPLMN supports NSAC procedure towards the HPLMN for roaming UE with HR PDU session, the hNSACF offers service to both NF in VPLMN and NF in HPLMN (e.g. AMF in VPLMN, anchor SMF in HPLMN).

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