**3GPP TSG-CT WG1 Meeting #124-eC1-203414**

**Electronic meeting, 2-10 June 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.502** | **CR** | **0132** | **rev** | **-** | **Current version:** | **15.5.0** |  |
|  | | | | | | | | |
| *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:*** | Define behavior when Any\_PLMN entry is missing | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | BlackBerry UK Ltd., NTAC (?), Ministère Economie et Finances (?), The Police of the Netherlands UK Ltd. (?), BT (?) | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GS\_Ph1-CT | | | | |  | ***Date:*** | | | 2020-05-15 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-15 |
|  | *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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The Any\_PLMN entry may be missing from N3AN node configuration information according to TS 24.526.  When the Any\_PLMN entry is not present, the UE must still determine if the visited country mandates the selection of N3AN node in the visited country. | | | | | | | | |
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| ***Summary of change:*** | | Define behavior in case N3AN node selection information is incomplete.  **These changes are backwards compatible** | | | | | | | | |
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| ***Consequences if not approved:*** | | A UE may bypass LI in the visited country if the Any\_PLMN entry is missing from N3AN node configuration information | | | | | | | | |
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| ***Clauses affected:*** | | 7.2.2 | | | | | | | | |
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|  | | **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:*** | |  | | | | | | | | |

\*\*\* First change \*\*\*

### 7.2.2 N3AN node configuration information

The N3AN node configuration information is provisioned to the UE either by H-PCF or via implementation specific means. The UE shall apply the N3AN node configuration information provisioned via implementation specific means only if the N3AN node configuration information provisioned by the H-PCF is not present in the UE.

The N3AN node configuration information shall consist of the following:

- N3AN node selection information;

- optionally, home N3IWF identifier configuration; and

- optionally, home ePDG identifier configuration.

The N3AN node selection information consists of N3AN node selection information entries. Each N3AN node selection information entry contains a PLMN ID and information for the PLMN ID. The N3AN node selection information contains at least an N3AN node selection information entry with information for the HPLMN and an N3AN node selection information entry for "any\_PLMN". If the N3AN node selection information does not contain either the N3AN node selection information entry with information for the HPLMN or an N3AN node selection information entry for "any\_PLMN", the UE shall behave as if the N3AN node configuration information is not provisioned.

The N3AN node configuration information provisioned by H-PCF is as specified in 3GPP TS 24.501 [4] annex D and 3GPP TS 24.526 [17].

The UE shall support the implementation of standard DNS mechanisms in order to retrieve the IP address(es) of the N3IWF or ePDG. The input to the DNS query is an N3IWF FQDN or ePDG FQDN as specified in 3GPP TS 23.003 [8].

\*\*\* No more changes \*\*\*