**3GPP TSG-CT WG1 Meeting #125-eC1-20xxxx**

**Electronic meeting, 20-28 August 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **24.502** | **CR** | **0148** | **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:*** | Correction in N3AN node selection involving SNPN | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell, Ericsson | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | Vertical\_LAN | | | | |  | ***Date:*** | | | 2020-08-21 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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)* | |
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| ***Reason for change:*** | | Section 4.3.2 used to describe basic principle of N3IWF FQDN itself. However, as long as access to PLMN/SNPN services via an SNPN/a PLMN is concerned, the section addresses N3AN node selection as well.  Such text should be moved to Section 7.2. | | | | | | | | |
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| ***Summary of change:*** | | The text is moved to Section 7.2 with necessary adaptations. | | | | | | | | |
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| ***Consequences if not approved:*** | | Text in an inappropriate place | | | | | | | | |
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| ***Clauses affected:*** | | 4.3.2, 7.2.1, 7.2.5 (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

### 4.3.2 FQDN for N3IWF Selection

An N3IWF FQDN is either provisioned by the home operator or constructed by the UE in either the Operator Identifier FQDN format or the Tracking Area Identity FQDN format as specified in 3GPP TS 23.003 [8].

The N3IWF FQDN is used as input to the DNS mechanism for N3IWF selection.

In order to access PLMN services via an SNPN, a UE operating in SNPN access mode registered to an SNPN has the following restrictions on N3IWF FQDN:

a) the UE shall only use TAIs from a PLMN to construct a Tracking Area Identity based N3IWF FQDN; and

b) the UE shall not consider an N3IWF FQDN for N3IWF selection configured by an SNPN.

\*\*\*\*\* Next change \*\*\*\*\*

### 7.2.1 General

The UE performs N3AN node selection procedure based on the N3AN node configuration information provisioned to the UE by the HPLMN, based on the UE's knowledge of the country the UE is located in and the PLMN the UE is registered to via 3GPP access and based on the list of "forbidden PLMNs for non-3GPP access to 5GCN".

Subclauses 7.2.1, 7.2.2, 7.2.3, and 7.2.4 are applicable to a UE selecting an N3AN node in a PLMN. For a UE accessing PLMN services via an SNPN, restrictions on N3IWF FQDN are specified in subclause 4.3.2.

Subclause 7.2.5 is applicable to a UE selecting an N3AN node in an SNPN.

\*\*\*\*\* Next change \*\*\*\*\*

### 7.2.5 Selection of an N3AN node in an SNPN