**3GPP TSG-CT WG1 Meeting #124-eC1-203973**

**Electronic meeting, 2-10 June 2020 (was C1-203468)**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.502** | **CR** | **0142** | **rev** | **1** | **Current version:** | **16.3.0** |  |
|  | | | | | | | | |
| *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:*** | Resolution of editor's note under clause 7.3A.4.2 | | | | | | | | | |
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| ***Source to WG:*** | Huawei, HiSilicon, Motorola Mobility, Lenovo | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5WWC | | | | |  | ***Date:*** | | | 2020-06-07 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | The specification contains an editor’s notes under clause 7.3A.4.2, quote:  Editor's note: An NAI for requesting the PLMN with trusted 5G connectivity without NAS signalling capability needs to be specified in subclause 28.7 of 3GPP TS 23.003 [8].  TS 23.003 already provides a new NAI for used by N5CW devices via trusted non-3GPP access. Furthermore, at CT4#97e the remaining issue about the username part of the NAI format was resolved (agreed CR0580 in C4-202439). It is therefore proposed to remove the editor’s note in the specification. Note that a referece to appropriate clause in TS 23.003 already exists (i.e., subclause 28.7 of 3GPP TS 23.003). | | | | | | | | |
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| ***Summary of change:*** | | The editor’s note is removed from the specification. | | | | | | | | |
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| ***Consequences if not approved:*** | | Editor’s note remains in the specification when the issue captured by it, it is already resolved in TS 23.003. Misliagnment between 3GPP specifications. | | | | | | | | |
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| ***Clauses affected:*** | | 7.3A.4.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \*

#### 7.3A.4.2 N5CW device registration over trusted WLAN access network

A trusted WLAN access network (TWAN) includes a trusted WLAN access point (TWAP) and a trusted WLAN interworking function (TWIF) as illustrated in figure 7.3A.4.2-1.

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Figure 7.3A.4.2-1: Trusted WLAN Access Network

The TWAN and an N3CW device initiate an exchange of EAP-Request/Identity message and EAP-Response/Identity message as specified in IETF RFC 3748 [9] for link layer authentication of the UE by the TWAP. In the trusted WLAN access network, the TWAP and the N5CW device exchange EAP-Request/Identity message and EAP-Response/Identity message, encapsulated in the link layer protocol packets i.e. IEEE 802.11/802.1x packets

Upon reception of EAP-Request/Identity message encapsulated in the IEEE 802.11/802.1x packets from the TWAP, the N5CW device shall:

a) construct an EAP-Response/Identity message as described in IETF RFC 3748 [9] containing an NAI as specified in subclause 28.7 of 3GPP TS 23.003 [8] to Request the PLMN with trusted 5G connectivity without NAS signalling capability; and

NOTE 1: The NAI includes the 5G-GUTI assigned to the N5CW device over 3GPP access, if the N5CW device is also a 5G UE and is already registered to 5GCN over 3GPP access.

b) transmit the EAP-Response of identity type encapsulated in the link layer protocol packets towards the TWAP.

The TWAP conveys the information provided by the N5CW device to the TWIF which initiate the registration on behalf of the N5CW device to an AMF.

NOTE 2: The communication protocol between the TWAP and the TWIF is outside of the scope of 3GPP.

An exchange of the EAP request and EAP response as described in IETF RFC 3748 [9] occurs until the N5CW device is authenticated by the 5GCN with the EAP authentication described in 3GPP TS 33.501 [5]. Upon completion of the N5CW device authentication and reception of the EAP-Success by the N5CW device, the N5CW device and the TWAP use the TWAP key to establish access specific layer-2 security 4-way handshake according to IEEE 802.11 [19].

Editor's note: What the EAP method uses to perform this procedure is FFS.

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