**3GPP TSG-CT WG3 Meeting #108-eC3-201138**

[**E-Meeting**](https://www.3gpp.org/ftp/tsg_ct/WG3_interworking_ex-CN3/TSGC3_108_Sophia_Antipolis/)**, 19th -28th February 2020 (Revision of C3-201xyz)**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.525** | **CR** | **0075** | **rev** | **-** | **Current version:** | **16.2.0** |  |
|  | | | | | | | | |
| *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:*** | Complete the procedure for WWC | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5WWC | | | | |  | ***Date:*** | | | 2020-02-28 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Stage 2 has defined the UE policy procedure for the WWC. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Specify the differences from the mainbody part for the WWC. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | 5WWC feature is not completed. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 3.2, B.3.1, B.3.2.1, B.3.3, B.3.3.1(new), B.3.4, B.3.4.1(new), B.3.5, B.3.5.1(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 does not impact the OpenAPI file. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\*\*\* 1st Change \*\*\*

## 3.2 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in 3GPP TR 21.905 [1].

5G-BRG 5G Broadband Residential Gateway

5G-CRG 5G Cable Residential Gateway

5G-RG 5G Residential Gateway

AMF Access and Mobility Management Function

ANDSP Access Network Discovery and Selection Policy

API Application Programming Interface

DNN Data Network Name

FN-RG Fixed Network Residential Gateway

FN-BRG Fixed Network Broadband Residential Gateway

FN-CRG Fixed Network Cable Residential Gateway

GPSI Generic Public Subscription Identifier

GUAMI Globally Unique AMF Identifier

HFC Hybrid Fiber-Coaxial

HTTP Hypertext Transfer Protocol

H-PCF Home Policy Control Function

JSON JavaScript Object Notation

N3AN Non-3GPP access network

NID Network Identifier

NF Network Function

NRF Network Repository Function

NSWO Non-Seamless WLAN Offload

OS Operating System

OSId Operating System Identity

PCF Policy Control Function

PEI Permanent Equipment Identifier

PRA Presence Reporting Area

PTI Procedure Transaction Identity.

SNPN Stand-alone Non-Public Network

SUPI Subscription Permanent Identifier

UDR Unified Data Repository

UPSC UE policy section code

UPSI UE policy section identifier

URSP UE Route Selection Policy

V-PCF Visited Policy Control Function

W-5GAN Wireline 5G Access Network

W-5GCAN Wireline 5G Cable Access Network

W-AGF Wireline Access Gateway Function

\*\*\* Next Change \*\*\*

## B.3.1 Introduction

Subclause 4.2.1 is applied with the following differences:

- UE is replaced by the 5G-RG or or FN-RG.

- Update of an UE Policy Association for the case that the AMF is relocated due to the UE mobility and the old PCF is selected is not applicable when the 5G-RG or FN-RG connects the 5GC via wireline access.

- Roaming scenario is not applicable when the 5G-RG or FN-RG connects the 5GC via wireline access in this release of specification.

\*\*\* Next Change \*\*\*

### B.3.2.1 General

Subclause 4.2.2.1 is applied with the following differences:

- UE is replaced by the 5G-RG or FN-RG.

- The PEI that may be included within the "pei" attribute shall have one of the following representations:

i. If the 5G-BRG supports only wireline access, the PEI shall be the 5G-BRG MAC address.

ii. If the 5G-CRG supports only wireline access, the PEI shall be the cable modem MAC address.

iii. If the 5G-RG supports at least one 3GPP access technology, the PEI shall be the allocated IMEI or IMEISV.

iv. For the FN-BRG and FN-CRG, the PEI shall be the FN-RG MAC address.

- The HFC Node Identifier including the HFC Node Id and optionally the MAC Address of the 5G-CRG/FN-CRG is encoded in the "hfcNodeId" attribute of the "n3gaLocation" attribute included in the "userLoc" attribute within the PolicyAssociationRequest data structure when the 5G-CRG or FN-CRG connects to the 5GC via W-5GCAN.

- Roaming scenario is not applicable when the 5G-RG or FN-RG connects the 5GC via wireline access in this release of specification.

- The PCF should neither include NSWO indication nor any ANDSP policies in the UE Policy.

\*\*\* Next Change \*\*\*

## B.3.3 Npcf\_UEPolicyControl\_Update Service Operation

### B.3.3.1 General

Subclause 4.2.3.1 is applied with the following differences:

- UE is replaced by the 5G-RG or FN-RG.

- Roaming scenario is not applicable when the 5G-RG or FN-RG connects the 5GC via wireline access in this release of specification.

- The PCF should neither include NSWO indication nor any ANDSP policies in the UE Policy.

\*\*\* Next Change \*\*\*

## B.3.4 Npcf\_UEPolicyControl\_UpdateNotify Service

### B.3.4.1 General

Subclause 4.2.4.1 is applied with the following differences:

- UE is replaced by the 5G-RG or FN-RG.

- Roaming scenario is not applicable when the 5G-RG or FN-RG connects the 5GC via wireline access in this release of specification.

- The PCF should neither include NSWO indication nor any ANDSP policies in the UE Policy.

\*\*\* Next Change \*\*\*

## B.3.5 Npcf\_UEPolicyControl\_Delete Service Operation

### B.3.5.1 General

Subclause 4.2.5.1 is applied with the following differences:

- UE is replaced by the 5G-RG or FN-RG.

- Roaming scenario is not applicable when the 5G-RG or FN-RG connects the 5GC via wireline access in this release of specification.

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