**3GPP TSG-CT WG3 Meeting #108-eC3-201101**

[**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** | | | | | | | | |
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|  | **29.512** | **CR** | **0411** | **rev** | **-** | **Current version:** | **16.3.0** |  |
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| *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:*** | Policy Control Request Triggers for wireline access | | | | | | | | | |
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| ***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)* | |
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| ***Reason for change:*** | | SA2 has agreed the applicable Policy Control Request Triggers for wireline access. (S2-1912501). | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | 1. Specify the Policy Control Request Triggers which are applicable or not applicable to the wireline access scenario. 2. Consequently, the procedures related to non-applicable policy control request triggers are not supported in the corresponding service operations. 3. RAN cause and/or the NAS cause information is not applicable when the 5G-RG or FN-RG connects the 5GC via W-5GAN. 4. RES\_RELEASE is related to the RAN-NAS-Cause feature, so it is not applicable to WWC. | | | | | | | | |
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| ***Consequences if not approved:*** | | 5WWC feature is not completed. | | | | | | | | |
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| ***Clauses affected:*** | | C.2.1.x (new), C.3.2.1, C.3.3.1, C.3.4.1, C.3.5.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | This CR does not impact the OpenAPI file. | | | | | | | | |

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

### C.2.1.x Policy control request trigger

The Policy Control Request Triggers defined in subclause 5.6.3.6 and related procedures are supported for a 5G-RG connecting to the 5GC via NG-RAN.

The Policy Control Request Triggers defined in subclause 5.6.3.6 are supported for a 5G-RG or FN-RG connecting to the 5GC via W-5GAN with the following not supporting ones:

* PLMN\_CH
* SAREA\_CH
* SCNN\_CH
* PRA\_CH
* PS\_DA\_OFF
* QOS\_NOTIF
* RES\_RELEASE
* UE\_STATUS\_RESUME
* TSN\_ETHER\_PORT
* TSN\_CONTAINER

Consequently, the procedures related to above policy control request triggers are not supported in the corresponding service operations.

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

### C.3.2.1 General

Subclause 4.2.2.2 is applied with the following differences:

- The allocated /128 IPv6 address or IPv6 /64 prefix or IPv6 prefix shorter than /64 is included within the "ipv6AddressPrefix" attribute.

- Request of Presence Reporting Area Change Report is not applicable when the 5G-RG or FN-RG connects to the 5GC via W-5GAN.

- Global Line ID including the line Id and either PLMN Id or operator Id is encoded within the "globalLineId" attribute of the "n3gaLocation" attribute included in the "userLoc" attribute within the PolicyAssociationRequest data structure when the 5G-RG or FN-RG registers via W-5GBAN.

- 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 "userLocationInfo" attribute within the SmPolicyContextData data structure when the 5G-CRG or FN-CRG connects to the 5GC via W-5GCAN.

Editor's note: The data type of GlobalLineId is FFS.

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

i. When the UE supports only wireline access, the PEI shall be a MAC address.

ii. When the UE supports at least one 3GPP access technology, the PEI shall be the allocated IMEI or IMEISV.

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

### C.3.3.1 General

The descriptions in subclause 4.2.3.1 are applied with the following differences:

- Access traffic steering, switching and splitting support is only applicable to the case that 5G-RG establishes a multi-access PDU Session connectivity via NG-RAN and W-5GAN.

- Request for the result of PCC rule removal is not applicable when the 5G-RG or FN-RG connects to the 5GC via W-5GAN.

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

### C.3.4.1 General

Subclause 4.2.4.2 is applied with the following differences:

- The released /128 IPv6 address or IPv6 /64 prefix or IPv6 prefix shorter than /64 is included within the "relIpv6AddressPrefix" attribute.

- RAN cause and/or the NAS cause information is not applicable when the 5G-RG or FN-RG connects the 5GC via W-5GAN.

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

### C.3.5.1 General

Subclause 4.2.5.1 is applied with the following differences and limitations:

- Global Line ID including the line Id and either PLMN Id or operator Id is encoded within the "globalLineId" attribute of the "n3gaLocation" attribute included in the "userLocationInfo" attribute within the SmPolicyDeleteData data structure when the 5G-RG or FN-RG connects the 5GC via W-5GBAN.

- 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 "userLocationInfo" attribute within the SmPolicyDeleteData data structure when the 5G-CRG or FN-CRG connects to the 5GC via W-5GCAN.

Editor's note: The data type of GlobalLineId is FFS.

- RAN cause and/or the NAS cause information is not applicable when the 5G-RG or FN-RG connects the 5GC via W-5GAN.

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