**3GPP TSG-CT WG3 Meeting #122-eC3-223160**

**E-Meeting, 12th – 20th May 2022**

**Source: Nokia, Nokia Shanghai Bell**

**Title: Pseudo-CR on EN resolution related to Npcf\_MBSPolicyControl Create Service**

**Spec: 3GPP TS 29.537 V0.2.0**

**Agenda item: 17.31 (5MBS)**

**Document for: Approval**

**1. Introduction**

TS 29.537 has been allocated under the 5MBS work item to define the MBS Policy Control services.

**2. Reason for Change**

General update for Npcf\_MBSPolicyControl\_Create service operation to resolve ENs.

#### 9.2.2.2 Npcf\_MBSPolicyControl\_Create service operation

**Service operation name:** Npcf\_MBSPolicyControl\_Create

**Description:** The NF Service Consumer can request the creation of a MBS Policy Association and provide relevant parameters about the MBS Session to the PCF.

**Inputs, Required:** MBS session ID, DNN, S-NSSAI.

**Inputs, Optional:** None.

**Outputs, Required:** Success or Failure. For Success MBS Policy Association ID.

**Outputs, Optional:** Policy information for the MBS.

**3. Conclusions**

N/A.

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS 29.537 V0.2.0.

\* \* \* First Change \* \* \* \*

##### 5.2.2.2.2 MBS Session Policy Association Establishment



Figure 5.2.2.2.2-1: MBS Session Policy Association establishment

1. In order to request the creation of an MBS Session Policy Association, the NF service consumer (e.g. MB-SMF) shall send an HTTP POST request to the PCF, as described in step 1of figure 5.2.2.2.2-1, with the request body containing the "MbsPolicyCtxtData" data structure that shall contain:

- the concerned MBS Session Id, within the "mbsSessionId" attribute;

- the DNN of the MBS session within the "dnn" attribute;

- the S-NSSAI of the MBS session, within the "snssai" attribute; and

- the URI towards which MBS policies update notifications should be sent by the PCF, within the "notificationUri" attribute.

2. Upon reception of the HTTP POST request from the NF service consumer, the PCF shall perform MBS perform MBS policy authorization based on the information received from the NF service consumer and operator policies that are pre-configured at the PCF. If MBS policy authorization is successful, the PCF shall create a new "Individual MBS Policy" resource, addressed by a URI as defined in clause 6.1.3.2 and containing a PCF created resource identifier. The PCF shall then respond to the NF service consumer with an HTTP 201 Created response, including a Location header field containing the URI of the created resource and the MbsPolicyData data structure in the response body.

Editor's Note: The detailed content of the MbsPolicyData data structure is FFS.

Editor's Note: All the scenarios involving UDR interactions is FFS.

The NF service consumer shall use the URI received in the Location header in subsequent requests to the PCF to refer to the created "Individual MBS Policy" resource.

If errors occur when processing the HTTP POST request, the PCF shall apply the error handling procedures specified in clause 6.1.7.

Editor's Note: Error / redirection cases and the related status codes are FFS.

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

##### 6.1.6.2.2 Type: MbsPolicyCtxtData

Table 6.1.6.2.2-1: Definition of type MbsPolicyCtxtData

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| mbsSessionId | MbsSessionId | M | 1 | Represents the identifier of the concerned MBS Session. |  |
| dnn | Dnn | M | 1 | Represents the DNN of the MBS session. |  |
| snssai | Snssai | M | 1 | Represents the S-NSSAI of the MBS session. |  |
| notificationUri | Uri | M | 1 | Represents the URI towards which MBS policies update notifications are sent by the PCF. |  |
| suppFeat | SupportedFeatures | C | 0..1 | Contains the list of the features defined in clause 6.1.8.  This parameter shall be provided if at least one feature is supported by the NF Service Consumer. |  |

\* \* \* End of Changes \* \* \* \*