**3GPP TSG-CT WG3 Meeting #122-eC3-223161**

**E-Meeting, 12th – 20th May 2022**

**Source: Nokia, Nokia Shanghai Bell**

**Title: Pseudo-CR on the Procedures update 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**

Procedure update for Npcf\_MBSPolicyControl\_Create service operation needs to be specified based on below stage 2 requirements.

Stage 2 requirements for policy data are defined in TS 23.247:

## *6.10    Policy control for Multicast and Broadcast services*

*The policy and charging control framework as defined in TS 23.503 [7] applies to Multicast and Broadcast services in the following aspects:*

*-     MBS Session binding: MBS Session binding is the association of an AF Session information to one and only one MBS Session. The PCF shall perform the session binding based on the MBS Session ID, i.e. TMGI or source specific IP multicast address.*

*-     QoS Flow binding: For an MBS Session, QoS Flow binding is the association of a PCC rule to a QoS Flow within an MBS Session. The MB-SMF performs QoS Flow binding for an MBS Session in the same way as the SMF for a PDU Session.*

*-* ***PCC rules for MBS Session are used to provide policy for QoS flows: The following PCC rule parameters defined in Table 6.3.1 of TS 23.503 [7] are applicable for MBS:***

***-     Rule identifier.***

***-     Service data flow detection: Precedence, Service data flow template (only for IP PDU traffic).***

***-     Policy Control: 5G QoS Identifier (5QI), DL-maximum bitrate, DL-guaranteed bitrate, ARP, Priority Level, Averaging Window, Maximum Data Burst Volume.***

***-     Policy information can also be applicable for an entire MBS session. The following parameters defined for a PDU session in Table 6.4.1 of TS 23.503 [7] are applicable for an entire MBS session:***

***-     Authorized Session-AMBR.***

***-     Explicitly signalled QoS Characteristics.***

**3. Conclusions**

N/A.

**4. Proposal**

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

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

##### 5.2.2.2.1 General

The Npcf\_MBSPolicyControl\_Create service operation enablesan NF service consumer (e.g. MB-SMF) to request the creation of an MBS Session Policy Association with the PCF for a multicast or a broadcast MBS session.

The MBS Session Management procedures of the MB-SMF and related policies are defined in TS 23.247 [x] and TS 29.532 [y].

The following procedures using the Npcf\_MBSPolicyControl\_Create service operation are supported:

- MBS Session Policy Association Establishment.

-     Provisioning of PCC rules.

-     Policy provisioning and enforcement of authorized AMBR per MBS session.Editor's note: The updates related to Authorized default QoS is FFS based on SA2 progress.

Editor's note: The scenarios and applicability of Session AMBR are FFS based on SA2 progress.

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

##### 5.2.2.2.3 Policy provisioning and enforcement of authorized AMBR per MBS session

The PCF may provision the authorized Session-AMBR to the MB-SMF in the response to the received HTTP POST message, as defined in the clause 5.2.2.x.3.

Upon reception of the authorized Session-AMBR from the PCF, the MB-SMF shall apply the corresponding procedures towards the MB-UPF for the enforcement of the Session-AMBR for the concerned MBS session.

NOTE:  The authorized Session-AMBR is not propagated to the access network or the UE for the MBS session.

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