**3GPP TSG-CT WG1 Meeting #141eC1-232702**

**Online 17– 21 April 2023**

Title: LS on applicability of IWK to control plane only PDU session

Response to:

Release: Rel-18

Work Item: 5GProtoc18

Source: CT1

To: SA2

Cc:

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Attachments:

**1. Overall Description:**

CT1 would like to seek guidance in relation to the following from section 4.3.2.2.1 in TS 23.502:

“If the AMF determines that the RAT type is NB-IoT and the number of PDU Sessions with user plane resources activated for the UE has reached the maximum number of supported user plane resources (0, 1 or 2) based on whether the UE supports UP data transfer and the UE's 5GMM Core Network Capability as described in Clause 5.31.19 of TS 23.501 [2], the AMF may either reject the PDU Session Establishment Request or continue with the PDU Session establishment and include the Control Plane CIoT 5GS Optimisation indication or Control Plane Only indicator to the SMF”

Scenario:

1. UE in NB-IoT already has UP resources established for the maximum number of supported UP resources
2. UE establishes an additional PDU session which the AMF decides to be control plane only

With the above, the UE would have PDU session(s) which use user plane resources and a PDU session which is for control plane only.

Assuming the PDU session(s) which use user plane resources (in step 1) are transferable to EPS, CT1 has the following questions:

Q1) can the additional PDU session in step 2, which is control plane only, be subject to inter-working with EPS given the UE has other PDU session(s) that use the user plane?

Q2) if the answer to the question above is YES, then how does the UE and/or network handle these PDU sessions when the UE moves from 5GS to EPS where selective UP resource activation is not supported?

**2. Actions:**

**To SA2: CT1 kindly requests SA2 to answer the question above.**

**3. Date of Next CT1 Meetings:**

CT1#142 22nd – 26th May 2023 Bratislava

CT1#143 21st – 25th August 2023 Goteborg

CT1#144 9th – 13th October 2023 China (TBC)

CT1#145 13th – 17th November 2023 Chicago