**3GPP TSG-CT WG1 Meeting #130-eC1-21XXXX**

**Electronic meeting, 20-28 May 2021**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **24.501** | **CR** | **3190** | **rev** | **1** | **Current version:** | **17.2.1** |  |
|  |
| *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 | **X** | Radio Access Network |  | Core Network | **X** |

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| ***Title:***  | Clarification on EPS interworking of a PDU session for time synchronization or TSC |
|  |  |
| ***Source to WG:*** | Mediatek Inc. |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | IIoT |  | ***Date:*** | 2021/05/21 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-17 |
|  | *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 canbe 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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
|  |  |
| ***Reason for change:*** | A **time-syn/TSC** PDU Session is referred to :a PDU Session and in the PDU SESSION ESTABLISHMENT REQUEST message:* TPMIC bit set to "Transfer of port management information containers supported" is included in the 5GSM capability; and
* Port management information container IE is included

For a PDN connection transferred to a PDU session, current PDU session modification procedure cannot carry DS-TT Ethernet port MAC address and UE-DS-TT residence time from UE to the network**<<Observation>>** For a PDN connection, upgrading to a **time-syn/TSC** PDU after intersystem change to 5GS is not fully supported.In our view, for a **time-syn/TSC** PDU session, after intersystem change to EPS, the time-sync/TSC functionality is no longer supported**<<Observation>>** Interworking to EPS is not needed for a **time-syn/TSC** PDU session.We propose to disable the EPS interworking of **time-syn/TSC** PDUs |
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| ***Summary of change:*** | Disable the EPS interworking of time-sync/TSC PDUs |
|  |  |
| ***Consequences if not approved:*** | Handling of time-sync/TSC PDU after intersystem to EPS is not specified |
|  |  |
| ***Clauses affected:*** | 4.15.1 |
|  |  |
|  | **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:*** |  |

\*\*\* change \*\*\*

### 4.15.1 General

A 5GS can support TSC (see 3GPP TS 23.501 [8], 3GPP TS 23.502 [9], and 3GPP TS 23.503 [10]). The clause describes NAS-specific aspects of the 5GS features to support TSC. Interworking with EPS is not supported for a PDU session for time synchronization or TSC.

\*\*\* end of change \*\*\*