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

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

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **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 | | | | | | | | | |
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| ***Source to WG:*** | Mediatek Inc., Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | IIoT | | | | |  | ***Date:*** | | | 2021/05/24 |
|  |  | | | |  | |  | | |  |
| ***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 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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
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| ***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 | | | | | | | | |
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| ***Consequences if not approved:*** | | Handling of time-sync/TSC PDU after intersystem to EPS is not specified | | | | | | | | |
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| ***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 \*\*\*