**3GPP TSG-CT WG1 Meeting #136-eC1-22xxxx**

**E-Meeting, 12th – 20th May 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **24.007** | **CR** | **0145** | **rev** | **1** | **Current version:** | **17.3.0** |  |
|  | | | | | | | | |
| *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 |  |

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| ***Title:*** | Clarifying the definition of the PC5 signalling protocol for V2X services | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI17, eV2XARC | | | | |  | ***Date:*** | | | 2022-04-28 |
|  |  | | | |  | |  | | |  |
| ***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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | In clause 4.3.4 which describes the contents of layer 3 related Technical Specifications, the spec TS 24.587 is stated as the spec that contains the definition of the PC5 signalling protocol.  However, the definition of PC5 signalling protocol in TS 24.587 is **only for** V2X services, and not for other services (such as ProSe, which has its PC5 signalling protocol defined in another spec, TS 24.554, which is already stated near the end of the same clause).  Hence this shall be corrected. | | | | | | | | |
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| ***Summary of change:*** | | Clarifying that, the PC5 signalling protocol defined in TS 24.587 is only for V2X services.  Adding the V2X term to the abbreviations clause. | | | | | | | | |
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| ***Consequences if not approved:*** | | Wrong specification that all PC5 signalling protocol is defined in TS 24.587. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 3.2, 4.3.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

\*\*\*\*\* First change \*\*\*\*\*

## 3.2 Abbreviations

For the purposes of the present document, the abbreviations defined in 3GPP TR 21.905 [1a] and the following apply:

GMM GPRS Mobility Management

MNS Mobile Network Signalling

N-PDU Network-Protocol Data Unit

SM Session Management

UDT User Data Transfer

CTS Cordless Telephony System

LCS LoCation Services

MOCN Multi-Operator Core Network

V2X Vehicle-to-Everything

\*\*\*\*\* First change \*\*\*\*\*

### 4.3.4 Contents of layer 3 related Technical Specifications

- The Radio Resource (RR) management protocol is defined in 3GPP TS 44.018 [6b];

- the Mobility Management (MM) protocol is defined in 3GPP TS 24.008 [6];

- the Session Management (SM) protocol is defined in 3GPP TS 24.008 [6];

- the Call Control (CC) protocol is defined in 3GPP TS 24.008 [6];

- the Supplementary Services (SS) protocol is defined in 3GPP TS 24.010 [7], 3GPP TS 24.08x, 3GPP TS 24.09x, and 3GPP TS 24.030 [21];

- the Short Message Service (SMS) protocol is defined in 3GPP TS 24.011 [8];

- the Group Call Control (GCC) protocol is defined in 3GPP TS 44.068 [19];

- the Logical Link Control (LLC) protocol is defined in 3GPP TS 44.064 [11a];

- the GPRS Radio Resource (GRR) protocol is defined in 3GPP TS 44.060 [10a] and 3GPP TS 24.008 [6];

- the CTS Radio Resource (CTS-RR) sub-protocol is defined in 3GPP TS 44.056 [10b];

- the CTS Mobility Management (CTS-MM) sub-protocol is defined in 3GPP TS 44.056 [10b];

- the CTS additions to the Call Control (CC) protocol are defined in 3GPP TS 44.056 [10b];

- the Location Services (LCS) protocol for a type A LMU is defined in 3GPP TS 23.271 [3c] and 3GPP TS 44.071 [8a];

- the EPS Radio Resource (RR) management protocol is defined in 3GPP TS 36.331 [24];

- the EPS Mobility Management (EMM) protocol is defined in 3GPP TS 24.301 [25];

- the EPS Session Management (ESM) protocol is defined in 3GPP TS 24.301 [25];

- the 5GS Radio Resource management (5GRR) protocol is defined in 3GPP TS 38.331 [28];

- the 5GS Mobility Management (5GMM) protocol is defined in 3GPP TS 24.501 [31];

- the 5GS Session Management (5GSM) protocol is defined in 3GPP TS 24.501 [31];

- the UE policy delivery service is defined in 3GPP TS 24.501 [31];

- the non-3GPP access management protocol is defined in 3GPP TS 24.502 [32];

- the PC5 signalling protocol for Vehicle-to-Everything (V2X) services in 5G system is defined in 3GPP TS 24.587 [34];

- the Time-Sensitive Networking (TSN) Application Function (AF) to Device-Side TSN Translator (DS-TT) and Network-Side TSN Translator (NW-TT) protocol is defined in 3GPP TS 24.519 [33];

- the Performance Measurement Function (PMF) protocol is defined in 3GPP TS 24.193 [35];

- the PC3 and PC5 signalling protocol for Proximity-based Services (ProSe) are defined in 3GPP TS 24.334 [36].

- the PC3a and PC5 signalling protocol for 5G Proximity-based Services (ProSe) are defined in 3GPP TS 24.554 [38].

\*\*\*\*\* End of changes \*\*\*\*\*