**3GPP TSG-CT WG1 Meeting #146C1-240141**

**Online, 22– 26 January 2024**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.282** | **CR** | **0376** | **rev** |  | **Current version:** | **18.5.0** |  |
|  | | | | | | | | |
| *For* [***HELP***](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:*** | Support of Prose direct communication | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | CT1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | MCOver5GProSe | | | | |  | ***Date:*** | | | 2024-01-15 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Further updates to the specification are needed:  (1) there is no abbreviation for PPPP and PQI;  (2) two ProSe terms are missing under clause L.3.5 and these terms require replacement for 5G ProSe ones; and  (3) The description in I.2 brings confusion. | | | | | | | | |
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| ***Summary of change:*** | | Updates to the specification regarding description of 5G ProSe. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Mission Critical over 5GProSe is not correctly described in the specification. This leads to undesirable effects as implementations may not support or implement correctly mission critical services over 5G ProSe. | | | | | | | | |
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| ***Clauses affected:*** | | 3.2, I.3.5, I.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 given in 3GPP TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in 3GPP TR 21.905 [1].

CSK Client-Server Key

IMPU P Multimedia Public User identity

IPEG In-Progress Emergency Group

IPEPCIn-Progress Emergency Private Call

IPIG In-Progress Imminent peril Group

MBMS Multimedia Broadcast and Multicast Service

MBS Multicast/Broadcast Service

MC Mission Critical

MCS Mission Critical Service

MCData Mission Critical Data

MCData group ID MCData group Identity

MDEA MCData Emergency Alert

MDEG MCData Emergency Group

MDEGC MCData Emergency Group Communication

MDEPC MCData Emergency Private (one‑to‑one) Communication

MDEPPMCData Emergency Private (one‑to‑one) Priority

MDES MCData Emergency State

MDIG MCData Imminent peril Group

MDIGC MCData Imminent peril Group Communication

MDPEA MCData Private (one‑to‑one) Emergency Alert

MIME Multipurpose Internet Mail Extensions

MONP MCPTT Off-Network Protocol

PPPP ProSe Per-Packet Priority

PQI PC5 5QI

QCI QoS Class Identifier

RTP Real-time Transport Protocol

SAI Service Area Identifier

SDP Session Description Protocol

SIP Session Initiation Protocol

SPK Signalling Protection Key

URI Uniform Resource Identifier

URN Uniform Resource Name

UUID Universally Unique IDentifier

XPK XML Protection Key

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

## I.3.5 Mapping of ProSe terms to 5G ProSe

The procedures defined in this specification are reused for off-network communication and on-network communication (i.e. UE-to-network relay) for MCData service over 5G ProSe with the following differences:

- ProSe direct discovery for public safety shall be replaced with 5G ProSe direct discovery, as specified in 3GPP TS 24.554 [86].

- ProSe UE-to-network relay shall be replaced with 5G ProSe UE-to-network relay, as specified in 3GPP TS 24.554 [86].

- One-to-one ProSe direct communication for public safety shall be replaced with unicast mode 5G ProSe direct communication for public safety, as specified in 3GPP TS 24.554 [86].

- One-to-many ProSe direct communication for public safety shall be replaced with groupcast mode 5G ProSe direct communication for public safety, as specified in 3GPP TS 24.554 [86].- PPPP (ProSe Per-Packet Priority) shall be replaced with PQI, as specified in 3GPP TS 24.554 [86].

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

# I.2 Aspects not applicable to 5GS

The following aspects of EPS mentioned in the present document are not applicable to 5GS:

- Multimedia Broadcast and Multicast Service (MBMS) and the corresponding procedures.

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