**3GPP TSG-CT WG1 Meeting #133-eC1-217083**

**E-meeting, 11-19 November 2021**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.483** | **CR** | **0142** | **rev** | **1** | **Current version:** | **17.4.0** |  |
|  | | | | | | | | |
| *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:*** | MO Annex with 5GS/EPS terminology alignment | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | MCover5GS | | | | |  | ***Date:*** | | | 2021-11-04 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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:*** | | Stage-2 MCOver5GS normative work as captured in TS 23.289 focuses on "On-network unicast communication for MC services" and specifies the use of the 5G System (5GS) to support mission critical services. Existing MC specs use EPS-specific terminology and certain EPS aspects are not applicable to 5GS in this release of the specifications like ProSe and MBMS. | | | | | | | | |
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| ***Summary of change:*** | | Add an annex listing the differences of 5GS over EPS in MC specs. | | | | | | | | |
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| ***Consequences if not approved:*** | | Implementation of specs is problematic since it is unclear which aspects of EPS are applicable to 5GS | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 2, 3.2, X.1, X.2, X.3, X.4 (all new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] OMA OMA-ERELD-DM-V1\_2-20070209-A: "Enabler Release Definition for OMA Device Management, Version 1.2".

[3] OMA OMA-TS-DM\_Protocol-V1\_2: "OMA Device Management Protocol".

[4] OMA OMA-TS-XDM\_Group-V1\_1-20120403-A: "Group XDM Specification".

[5] 3GPP TS 23.003: "Numbering, addressing and identification".

[6] 3GPP TS 23.303: "Proximity-based Services (ProSe); Stage 2".

[x] 3GPP TS 23.501: "System Architecture for the 5G System; Stage 2".

[7] 3GPP TS 24.379: "Mission Critical Push To Talk (MCPTT) call control Protocol specification".

[8] 3GPP TS 24.380: "Mission Critical Push To Talk (MCPTT) media plane control Protocol specification".

[9] 3GPP TS 24.481: "Mission Critical Services (MCS) group management Protocol specification".

[10] 3GPP TS 31.102: "Characteristics of the USIM Application".

[11] 3GPP TS 24.482: "Mission Critical Services (MCS) identity management Protocol specification".

[12] 3GPP TS 24.484: "Mission Critical Services (MCS) configuration management Protocol specification".

[13] IETF RFC 4566 (July 2006): "Session Description Protocol".

[14] Void.

[15] 3GPP TS 23.179: "Functional architecture and information flows to support mission critical communication services; Stage 2".

[16] 3GPP TS 24.282: "Mission Critical Data (MCData) signalling control Protocol specification".

[17] 3GPP TS 24.582: "Mission Critical Data (MCData) media plane control Protocol specification".

[18] 3GPP TS 24.281: "Mission Critical Video (MCVideo) signalling control Protocol specification".

[19] 3GPP TS 24.581: "Mission Critical Video (MCVideo) media plane control Protocol specification".

[20] 3GPP TS 33.180: "Security of the mission critical service".

[21] 3GPP TS 23.032: "Universal Geographical Area Description (GAD)".

[22] OMA OMA-TS-DM\_StdObj-V1\_2-20070209-A: "OMA Device Management Standardized Objects", <http://www.openmobilealliance.org/release/DM/V1_2-20070209-A/OMA-TS-DM_StdObj-V1_2-20070209-A.pdf>.

\*\*\*\*\* Next 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].

5GS 5G System

ACL Access Control List

APN Access Point Name

CMS Configuration Management Server

DDF Device Description Framework

DM Device Management

DNN Data Network Name

EPS Evolved Packet System

GMS Group Management Server

MCS Mission Critical Service

MCSs Mission Critical Services

MCPTT Mission Critical Push To Talk

ME Mobile Equipment

MO Management Object

OMA Open Mobile Alliance

ProSe Proximity-based Services

RFC Request For Comments

S-NSSAI Single Network Slice Selection Assistance Information

URI Uniform Resource Identifier

URN Uniform Resource Name

XCAP XML Configuration Access Protocol

XML eXtensible Markup Language

XUI XCAP Unique Identifier

\*\*\*\*\* Next change \*\*\*\*\*

Annex X (normative):  
MCS MO specific concepts for the support of mission critical services over 5GS

# X.1 General

The present document applies to both EPS and 5GS. This annex lists the aspects of Mission Critical Services (MCSs) Management Objects (MO) which are different in 5GS from EPS. Certain aspects that are only applicable to EPS are described in clause X.2. 5GS-specific concepts are captured in clause X.3. A mapping of EPS-specific terms to their 5GS equivalents is provided in clause X.4.

# X.2 Aspects not applicable to 5GS

The following aspects of EPS mentioned in the present document are applicable to 5GS:

- Proximity-services (ProSe) and the corresponding MOs; and

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

# X.3 5GS specific aspects not applicable to EPS

In order to identify a Network Slice end to end, the 5GS uses information called S-NSSAI (Single Network Slice Selection Assistance Information) as specified in 3GPP TS 23.501 [x]. Network slicing and the S-NSSAI related configuration are not applicable to EPS.

# X.4 Mapping of EPS-specific terms to 5GS

In 5GS, the Data Network Name (DNN) is the equivalent of an APN in EPS as specified in 3GPP TS 23.003 [5]. The requirements and configurations for an APN throughout this document shall apply to 5GS as well. Any DNN-specific configuration is applicable only to 5GS.

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