**3GPP TSG-SA WG6 Meeting #62 S6-244280**

**Hyderabad, India, 14th – 18th October 2024 (revision of S6-24xxxx)**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** | **0080** | **rev** |  | **Current version:** |  |  |
|  | | | | | | | | |
| *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:*** | Introduce annex about MCX-LMR interworking | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, Hisilicon | | | | | | | | | |
| ***Source to TSG:*** | SA6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | enhMC | | | | |  | ***Date:*** | | | 2024-08-06 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | |  |
|  | *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:*** | | TETRA has finished its interworking specification ETSI TS 100 392-19-1 which is released in Jun 2024. The GSM-R interworking with FRMCS specification is specified in ETSI TS 103 792. The P25 interworking with MCX is specified in Study of Interworking between P25 (Project 25) LMR and 3GPP (MCPTT) Mission Critical Services.  This information is benefit to the reader and should be captureed in the annex in TS 23.283. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add the LMR interworking specifiction in the annex and the reference. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The readers may lose the information on the LMR system side of the interworking. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 2, New Annex aa | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 1st changes \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

# 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] 3GPP TS 22.280: "Mission Critical Services Common Requirements (MCCoRe); Stage 1".

[3] 3GPP TS 22.179: "Mission Critical Push to Talk (MCPTT); Stage 1".

[4] 3GPP TS 22.282: "Mission Critical Data services".

[5] 3GPP TS 23.280: "Common functional architecture to support mission critical services; Stage 2".

[6] 3GPP TS 23.282: "Functional architecture and information flows to support Mission Critical Data (MCData); Stage 2".

[7] 3GPP TS 23.379: "Functional architecture and information flows to support Mission Critical Push To Talk (MCPTT); Stage 2".

[8] 3GPP TS 33.180: "Security of the mission critical service"

[9] TIA-603-D: "Land Mobile FM or PM Communications Equipment Measurement and Performance Standards".

[X] ETSI TS 100 392-19-1: Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 19: Interworking between TETRA and Broadband systems; Sub-part 1: Protocol specification for Interworking with 3GPP mission critical services

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 2nd changes \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

Annex aa (informative): LMR and MC service interworking in LMR side

This annex provides published specifications about the LMR system interworking with 3GPP MC services standards in LMR side.

NOTE 1: This is not an exhaustive list of LMR and MC service interworking standards.

TETRA interworking with 3GPP MC services is specified in [X].

NOTE 2: Study of Interworking between P25 LMR and 3GPP (MCPTT) Mission Critical Services is under progress and not yet published. FRMCS/GMS-R interworking with 3GPP MC service is specified in ETSI TS 103 792 and not yet published.