ETSI TS 124 381 V13.3.0 (2017-01)

TECHNICAL SPECIFICATION

LTE;
**Mission Critical Push To Talk (MCPTT) group management;
Protocol specification
(3GPP TS 24.381 version 13.3.0 Release 13)**

Reference
RTS/TSGC-0124381vd30

Keywords
LTE

ETSI

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Contents

Foreword

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Version x.y.z

where:

x   the first digit:

1   presented to TSG for information;

2   presented to TSG for approval;

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y   the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.

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1 Scope

The present document specifies the group management protocols needed to support Mission Critical Push To Talk (MCPTT). Group management applies only when the UE operates on the network.

Mission critical communication services are services that require preferential handling compared to normal telecommunication services, e.g. in support of police or fire brigade.

The MCPTT service can be used for public safety applications and also for general commercial applications (e.g., utility companies and railways).

The present document is applicable to User Equipment (UE) supporting the group management client (GMC) functionality, to application server supporting the group management server (GMS) functionality, and to application server supporting the MCPTT server functionality.

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.

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[1] to [19]   (void)

[20]   3GPP TS 24.481: "Mission Critical Services (MCS) group management; Protocol specification".

3 Definitions and abbreviations

(void)

4 to 7

(void)

8 Technical content

The technical content of the present TS now appears in TS 24.481 [20].

Annex A (informative):
(void)

Annex B (informative):
(void)

Annex C (informative):
Change history

Change history								
Date	**TSG #**	**TSG doc**	**WG Doc.**	**CR**	**Rev**	**Subject/Comment**	**Old**	**New**
2015-07						Initial proposal to CT1#92-bis	-	0.0.0
2015-07						Contains agreed P-CRs from CT1#92-bis: C1ah-150043, C1ah-150004, C1ah-150044	0.0.0	0.1.0
2015-08						Contains agreed P-CRs from CT1#93: C1-153181, C1-153182 and changes by rapporteur.	0.1.0	0.2.0
2015-08						minor fixes from the rapporteur	0.2.0	0.2.1
2015-09						specification numbers decided by CT#69 are indicated by the rapporteur	0.2.1	0.2.2
2015-10						Contains agreed P-CRs from CT1#94: C1-153717, C1-153745, C1-153753.	0.2.2	0.3.0
2015-11						Contains agreed P-CRs from CT1#95: C1-154409, C1-154593, C1-154594. Editorial fixes done and abbreviations added by the rapporteur.	0.3.0	0.4.0
2015-12	CT-70	CP-150735				Version 1.0.0 created for presentation for information	0.4.0	1.0.0
2016-01						Contains agreed P-CRs from CT1#95-BIS: C1-160018, C1-160019, C1-160020, C1-160021, C1-160023, C1-160026, C1-160030, C1-160031, C1-160032, C1-160033, C1-160367, C1-160369, C1-160467, C1-160468, C1-160469, C1-160470. Subclause renumbering and editorial fixes done by the rapporteur.	1.0.0	1.1.0
2016-02						Contains agreed P-CRs from CT1-on MCPTT and CT1#96: C1ah-160040, C1ah-160086, C1ah-160093, C1ah-160104, C1-161328, C1-161373, C1-161382, C1-161397, C1-161398, C1-161399. Subclause renumbering and editorial fixes done by the rapporteur.	1.1.0	1.2.0
2016-03	CT-71	CP-160061				Version 2.0.0 created for presentation for approval	1.2.0	2.0.0
2016-03	CT-71					Version 13.0.0 created after approval	2.0.0	13.0.0
2016-03						Editorial fixes - removal of superfluous spaces and addition of "(GC)", "(GMC)" and "(GMS)" when missing.	13.0.0	13.0.1
2016-06	CT-72	CP-160322	C1-161736	0007	-	Correction for semantic and values of group-priority and user-priority	13.0.1	13.1.0
2016-06	CT-72	CP-160322	C1-162061	0001	1	Corrections for internal inconsistencies in the document	13.0.1	13.1.0
2016-06	CT-72	CP-160322	C1-162375	0010	-	Correction for "the present document"	13.0.1	13.1.0
2016-06	CT-72	CP-160322	C1-162399	0002	2	Corrections for managing group documents based on group ID	13.0.1	13.1.0
2016-06	CT-72	CP-160322	C1-162590	0014	-	Add validations for <on-network-maximum-duration>	13.0.1	13.1.0
2016-06	CT-72	CP-160322	C1-162841	0004	3	Correction for missing MCPTT group properties	13.0.1	13.1.0
2016-06	CT-72	CP-160322	C1-162843	0012	1	Corrections for group document excluding group members retrieval procedure	13.0.1	13.1.0
2016-06	CT-72	CP-160322	C1-162845	0015	1	Corrections for security	13.0.1	13.1.0
2016-06	CT-72	CP-160322	C1-162846	0009	2	Adding security configuration to the group document	13.0.1	13.1.0
2016-06	CT-72	CP-160322	C1-163047	0003	4	Corrections in the temporary MCPTT group formation procedure and the temporary MCPTT group tear down procedure	13.0.1	13.1.0
2016-06	CT-72	CP-160322	C1-163049	0013	2	Corrections for group management operations which cannot be expressed by HTTP GET, HTTP PUT or HTTP DELETE methods	13.0.1	13.1.0

Change history							
Date	**Meeting**	**TDoc**	**CR**	**Rev**	**Cat**	**Subject/Comment**	**New version**
2016-09	CT#73	CP-160502	0011	2	F	Corrections in subscription to MCPTT group for not-routable MCPTT identities and for MCPTT signalling security	13.2.0
2016-09	CT#73	CP-160502	0016	2	F	Coding for group communication security	13.2.0
2016-09	CT#73	CP-160502	0017	1	F	Corrections in security level of temporary MCPTT group	13.2.0
2016-09	CT#73	CP-160502	0018	1	F	Corrections in temporary MCPTT group formation	13.2.0
2016-09	CT#73	CP-160502	0019		F	Corrections in application/g.3gpp.GMOP+xml IANA registration template	13.2.0
2016-09	CT#73	CP-160502	0020		F	Corrections in the flows	13.2.0
2016-09	CT#73	CP-160502	0021		F	Correction for re-grouping with MCPTT group to be combined owned by other MCPTT provider	13.2.0
2016-09	CT#73	CP-160502	0022	1	F	Correction in group key transport payloads	13.2.0
2016-09	CT#73	CP-160502	0027		F	Default document namespace correction	13.2.0
2016-12	CT#74	CP-160831	0037		F	Remove contents, insert pointer to generic spec 24.481	13.3.0

History

Document history		
V13.0.1	May 2016	Publication
V13.1.0	July 2016	Publication
V13.2.0	October 2016	Publication
V13.3.0	January 2017	Publication