ETSI TS 124 282 V15.11.0 (2026-02)

TECHNICAL SPECIFICATION

LTE;
Mission Critical Data (MCData) signalling control;
Protocol specification
(3GPP TS 24.282 version 15.11.0 Release 15)

Reference
RTS/TSGC-0124282vfb0

Keywords
LTE

ETSI

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Contents

Foreword

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1 Scope

The present document specifies the signalling control protocols needed to support Mission Critical Data (MCData) communications as specified by 3GPP TS 23.282 [2]. The present document specifies both on-network and off-network protocols.

The present document utilises the common functional architecture to support mission critical services as specified in 3GPP TS 23.280 [3], in support of MCData communications.

The MCData 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 MCData client functionality, and to application servers supporting the MCData 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] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

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

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

[4] IETF RFC 3261 (June 2002): "SIP: Session Initiation Protocol".

[5] 3GPP TS 24.229: "IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3".

[6] IETF RFC 3428 (December 2002): "Session Initiation Protocol (SIP) Extension for Instant Messaging".

[7] IETF RFC 6050 (November 2010): "A Session Initiation Protocol (SIP) Extension for the Identification of Services".

[8] IETF RFC 3841 (August 2004): "Caller Preferences for the Session Initiation Protocol (SIP)".

[9] IETF RFC 4826 (May 2007): "Extensible Markup Language (XML) Formats for Representing Resource Lists".

[10] 3GPP TS 24.379: "Mission Critical Push To Talk (MCPTT) call control Protocol specification".

[11] 3GPP TS 24.481: "Mission Critical Services (MCS) group management Protocol specification".

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

[13] IETF RFC 4483 (May 2006): "A Mechanism for Content Indirection in Session Initiation Protocol (SIP) Messages.

[14] IETF RFC 4122 (July 2005): "A Universally Unique IDentifier (UUID) URN Namespace".