



Qualcomm Technologies, Inc.

LTE Broadcast MSDC API

Release Notes Version 4.4.00.01

70-72115-1 Rev. 4.4.00.01

October 26, 2023

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Revision history

Revision	Date	Description
4.4.00.01	October 2023	New version; Bug fixes

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1 Introduction

This document describes the LTE Broadcast multicast service device client (MSDC) application programming interface (API) and MSDC API Stub Tool release notes.

1.1 Background

The LTE Broadcast MSDC API software allows users to access and use LTE Broadcast MSDC features.

The MSDC API Stub Tool is a notification generator that allows developers to test their application on commercial Android devices by simulating the LTE Broadcast middleware notifications.

1.2 Acronyms, abbreviations, and terms

Acronym	Definition
API	Application programming interface
GC	Group call
GCSE	Group call service enabler
MBMS	Multimedia broadcast multicast service
MSDC	Multicast service device client
SDK	Software development kit
TMGI	Temporary mobile group ID
MDM	Mobile data modem

1.3 References and standards

Document	URL
<i>Group Communication System Enablers for LTE (GCSE_LTE); Stage 2, 3GPP TS 23.468</i>	https://portal.3gpp.org

1.4 Package contents

- LTE Broadcast MSDC API AAR file
- LTE Broadcast MSDC API Stub AAR file
- Sample application source code and related specification document

1.5 System requirements

- Android Lollipop and above operating system

1.6 New features in Software Development Kit 4.4

Group call service enabler (GCSE) enables the multimedia broadcast multicast service (MBMS) middleware to provide access to group call service applications (GC applications). With this feature, MBMS middleware acquires the capability to provide GC applications with a mechanism to access the downlink portion of an ongoing group call through a group call multicast service.

A new GC interface is made available whereby an application can:

- Receive updates on the service areas to which the current cell belongs (per SIB15), and
- Activate multicast services by specifying the temporary mobile group ID (TMGI) identifying the bearer to activate.

The end-to-end signaling on TMGI information and service areas where it is available is out of the scope of the MBMS middleware.

The network service provider is responsible for creating a GC multicast service and making this service available for mobile equipment in defined service areas. Various GC multicast services contain the downlink portion of the corresponding GC conversations. GCSE is supported on MDM device as well.

For more details about the GCSE feature, see *Group Communication System Enablers for LTE (GCSE_LTE); Stage 2* (3GPP TS 23.468).

1.7 CRs

Table 1-1 CRs included in 4.4.00.01

CR	Title
QASP-8706	Compile MSDC SDK with Android U SDK
QASP-8672	Gradle version upgrade for MSDC SDK
QASP-8705	Update MSDC SDK manifest to resolve compilation issue
QASP-8704	Add minsdk and target sdk to resolve external storage permissions issue
QASP-8598	Resolve notification permission issue for MSDC

1.8 Known issues

Table 1-2 Known issues in this release

CR	Title
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2 Support

For support, go to the LTE Broadcast software development kit (SDK) webpage:
<https://developer.qualcomm.com/ltebroadcast>.