

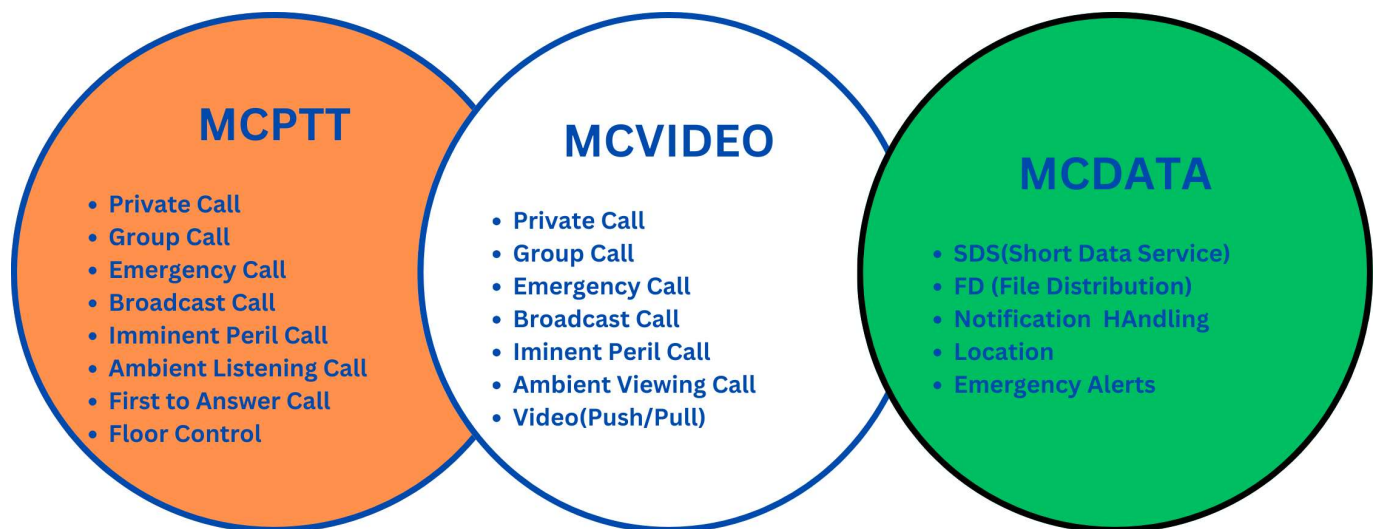
Mission Critical Services (MCX)

Overview

Mission Critical Services (MCS) under 3GPP standards provide secure, low-latency communication tailored for emergency and public safety operations, ensuring prioritized, high-quality audio and video calls with robust location and role-based functionalities.

Salient Features

- **3GPP Standard Compliant:** Ensures adherence to global standards for mission-critical communication.
- **Location-Based Calling:** Facilitates communication based on the user's geographic location.
- **Role-Based Calling:** Enables calls tailored to specific roles within an operation.
- **Prioritized Services over Network:** Guarantees priority handling of critical communication.
- **Priority Calling:** Supports high priority calls, essential in emergencies.
- **High Definition Audio/Video Call:** Provides clear, high-quality audio and video communications.
- **Optimized for Minimal Latency:** Designed to minimize delays for instant communication.
- **Highly Secure and Confidential :** Ensures that all communications remain secure and private.



Target Industries

- Security and Emergency Forces (NDRF, SDRF)
- Utilities (Oil & Gas, Electricity, Mines, etc.)
- Hospitals, Fire and Traffic Department
- Transport (Railways, Buses, Metros, Trams)
- Ports and Airports
- Army and Defence
- Commercial Sector Uses (Shopping Malls, Hotels)

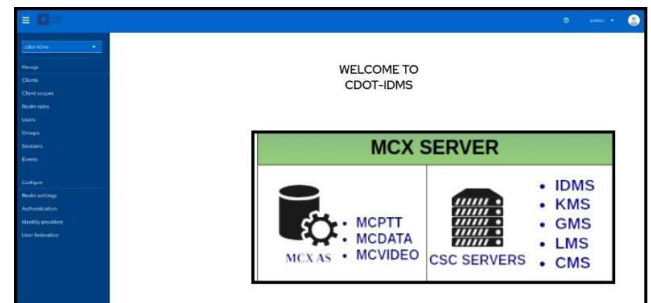
CDOT MCX Application

- MCX Client Android application for handheld devices
- Support for real time MCPTT MCDATA, MCVIDEO Communication Support
- Intuitive and Interactive Interfaces
- Support for Location Services
- End to End Security



CDOT MCX Server

- Support for MCX Application Server(AS)
- Support for Common Services Core Servers(IDMS, CMS, GMS, LMS, KMS)
- Support for Map Server
- Support for Admin Control Server



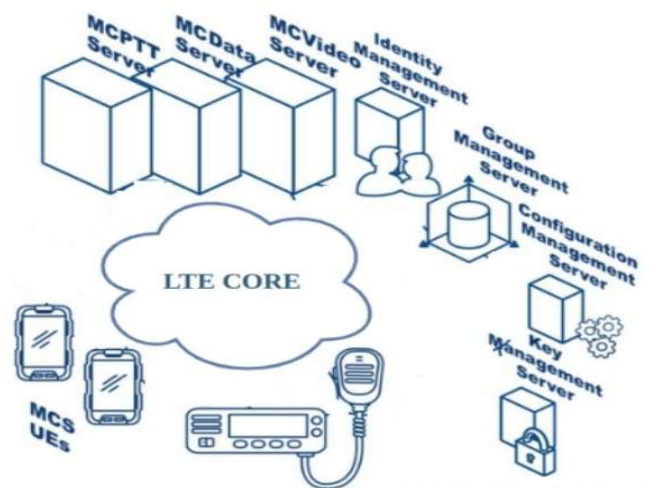
CDOT MCX Dispatcher

- Support for seamless communication and control
- Support for real time MCPTT MCDATA, MCVIDEO communication
- Support for Advanced Location Services
- End to End Security



Highlights

- C-DOT Successfully Participated in 4th FRMCS PlugTests (Seamless Interoperability with various International counterparts)
- C-DOT Successfully Completed POC for Indian Railway



High Level Architecture