

# **Global Mission Critical Communication (MCX) Market Size study, by Component (Hardware, Software, Services), by Technology (Land Mobile Radio (LMR), Long-Term Evolution, 5G, Mission-Critical Push-to-X), by End-user (Public Safety and Government Agencies, Transportation, Energy and Utilities, Mining, Others) and Regional Forecasts 2022-2032**

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## **Abstracts**

The Global Mission Critical Communication (MCX) Market is valued approximately at USD 23.45 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 14.28% over the forecast period 2024-2032. Mission critical communication systems and networks provide vital support for users to interact efficiently during critical times when regular cellular networks fail to operate effectively. The market for mission critical communication is driven by the advanced features these systems offer, such as call prioritization and pre-programmed interoperability, which enhance communication capabilities and reduce latency.

The rising adoption of 5G technology is set to revolutionize mission critical communication systems, providing ultra-high reliability and low latency. This allows emergency services to utilize more modern communication methods akin to those available on smartphones, ensuring real-time capabilities with minimal network delay. This technological advancement promises to expand the range of applications and use cases, enabling efficient, safer, and cost-effective solutions via commercial mobile networks with specific mission-critical capabilities. The introduction of features such as Push-to-Video, video sharing, group chat, file sharing, and location sharing, all while prioritizing mission-critical scenarios, is anticipated to drive the market growth significantly. However, high costs of mission critical communication systems and

complexity in integration with existing systems restrain growth of the market during the forecast period 2024-2032.

The key region in the Global Mission Critical Communication (MCX) Market includes North America, Europe, Asia Pacific, Latin America, and Middle East & Africa. In 2023, North America held the largest revenue share driven by product launches and strategic growth initiatives by key players. For instance, Motorola Solutions introduced the APX N series of next-generation mission-critical portable two-way radios, featuring enhanced ergonomics, security, and ruggedness. The Asia Pacific region, particularly China, India, and Japan, is expected to experience the highest growth rate due to the flourishing industries such as mining, energy, and utilities, which significantly drive the demand for mission critical communication solutions.

Major market players included in this report are:

Motorola Solutions, Inc.

Nokia

ZTE Corporation

Telefonaktiebolaget LM Ericsson

Huawei Technologies Co. Ltd.

AT&T Inc.

L3harris Technologies, Inc.

Hytera Communications Corp. Ltd.

Cobham Wireless

Ascom

Mentura Group Oy

Leonardo S.P.A.

Inmarsat Plc

Zenitel

Telstra

The detailed segments and sub-segment of the market are explained below:

By Component

Hardware

Software

Services

By Technology

Land Mobile Radio (LMR)

Long-Term Evolution

5G

Mission-Critical Push-to-X (based on 3GPP)

By End-user

Public Safety and Government Agencies

Transportation

Energy and Utilities

Mining

Others

By Region:

*Global Mission Critical Communication (MCX) Market Size study, by Component (Hardware, Software, Services), by...*

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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