

# Mastering Field Artillery Techniques: A Comprehensive Guide to FM 09 Field Artillery Operations and Fire Support (April 2024)

Field artillery, a vital component of modern warfare, plays a pivotal role in delivering precise and devastating firepower over extended ranges. To ensure the effectiveness and safety of field artillery operations, the United States Army has developed a comprehensive manual: FM 09 Field Artillery Operations and Fire Support (April 2024). This essential guide provides a detailed framework for field artillery tactics, techniques, and procedures, empowering artillerymen with the knowledge and skills required for successful combat operations.

## Target Acquisition and Engagement

The manual's first section delves into the critical aspects of target acquisition and engagement. It explains the principles of target identification, location, and verification, as well as the various methods used to acquire targets, including visual observation, radar, and aerial reconnaissance. Additionally, it covers the techniques for calculating firing data, adjusting fire, and engaging targets with different types of artillery weapons.



## Field Manual FM 3-09 Field Artillery Operations and Fire Support April 2024

by United States Government US Army

★★★★☆ 4.6 out of 5

Language : English  
File size : 2221 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting: Enabled

Print length : 156 pages  
Lending : Enabled



## **Fire Support Planning**

Effective field artillery operations require meticulous fire support planning. FM 09 provides a structured approach to planning fires, including the coordination of multiple artillery units, the selection of appropriate targets, and the determination of the most effective firing techniques. It also emphasizes the importance of integrating fire support with other combat elements, such as infantry and armor, to achieve synergistic effects.

## **Fire Control Techniques**

Precision and accuracy are paramount in field artillery operations. FM 09 details the various fire control techniques used to ensure that artillery fire is delivered with maximum effectiveness. These techniques include forward and reverse slope firing, grazing fire, and time-on-target firing. The manual also provides guidance on the use of advanced fire control systems, such as the Fire Direction Center (FDC), to optimize fire control operations.

## **Ammunition and Munitions**

The manual covers the different types of ammunition and munitions used in field artillery, including high-explosive, armor-piercing, and incendiary rounds. It explains the characteristics, capabilities, and limitations of each type of ammunition, as well as the factors that influence the selection of the appropriate ammunition for specific targets. Additionally, the manual

provides guidance on the handling, storage, and transportation of ammunition.

## **Safety and Risk Management**

Safety is of utmost importance in field artillery operations. FM 09 outlines comprehensive safety procedures for handling explosives, operating artillery weapons, and conducting live fire exercises. It emphasizes the need for proper training, strict adherence to safety regulations, and the implementation of risk management measures to prevent accidents and injuries.

## **Additional Features**

Beyond the core content, FM 09 includes valuable appendices and supporting materials. These include detailed tables, diagrams, and illustrations that provide additional information and clarification on the topics covered in the main text. The appendices also contain references to other relevant publications and resources for further study.

FM 09 Field Artillery Operations and Fire Support (April 2024) is an indispensable resource for field artillerymen at all levels, from junior soldiers to senior commanders. Its comprehensive coverage of field artillery tactics, techniques, and procedures provides a solid foundation for effective and successful operations. By mastering the principles outlined in this manual, field artillery units can enhance their firepower, improve their accuracy, and fulfill their critical role in combined arms operations with confidence and precision.

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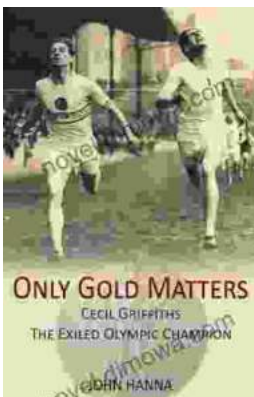


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