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This study examines the observations of U.S. military personnel who attended India's Defence Services Staff College (DSSC) at Wellington. Although the DSSC is a tri-service professional military education institution, this study focuses primarily on the Indian Army, the largest and most influential military service in India. Collectively, U.S. personnel at the DSSC had sustained interaction over an extended period of time with three distinct groups of Indian Army officers: senior officers (brigadier through lieutenant general), senior midlevel (lieutenant colonel and colonel), and junior midlevel (captain and major). The study focuses on the attitudes and values of the Indian Army officer corps over a 38-year period, from 1979 to 2017, to determine if there was change over time, and if so, to understand the drivers of that change.

This short history and sourcebook is the very first of its kind to cover the field artillery from the Middle Ages to the present in terms of technology, organization, tactics, and doctrine.

Originally published in 1982, this re-written edition begins with a brief review of the historical development of artillery, emphasizing the interdependence between doctrine and technology which is still a fundamental factor in weapons design. The indirect fire system is then examined in order to demonstrate the need for a systems approach to current and future developments.

This publication supersedes ATP 3-09.30, Observed Fires dated 12 August 2013. Army Techniques Publication (ATP) 3-09.30 sets forth the doctrine pertaining to the organization, equipment, mission command, operations, and provides techniques for employing fire support assets as an observer which can be applied within the framework of decisive action or unified land operations. It is

applicable to any Army personnel observing for artillery or mortar fires, close air support, army attack aviation, or naval surface fire support. See ATP 3-09.32 for information on close air support, army attack aviation, or naval surface fire support. The principal audience for this publication is FA commanders, staffs, and personnel at the field artillery brigade (FAB), division artillery (DIVARTY), and brigade combat team (BCT) and separate FA battalions and below.

Field Manual FM 3-09 Field Artillery Operations, provides tactics for field artillery operations and fire support in unified land operations. The principal audience for FM 3-09 is all commanders and staffs. Commanders and staffs of Army headquarters serving as joint task force or multinational headquarters should also refer to applicable joint or multinational doctrine concerning the range of military operations and relationships with joint or multinational forces. Trainers and educators throughout the Army will also use this manual. Commanders, staffs, and subordinates ensure their decisions and actions comply with applicable United States (U.S.), international, and, in some cases, host-nation laws and regulations. Commanders at all levels ensure their Soldiers operate in accordance with the law of war and established rules of engagement. See FM 27-10. FM 3-09 implements standardization agreements (STANAG) 2484 and 3680.

Artillery Strong tells the story of the US Army's Field Artillery modernization efforts from the Gulf War of 1991 through the first two decades of the 21st Century. This study originated as the US Army Field Artillery School published Operation Desert Storm and Beyond: Modernizing the Field Artillery in 2005. The 2005 edition covered field artillery developments during the 1990s.--Provided

by publisher.

The purpose of this field manual is to provide a standardized source document for Army-wide reference on map reading and land navigation. This manual applies to every soldier in the Army regardless of service branch, MOS, or rank. This manual also contains both doctrine and training guidance on these subjects. Part One addresses map reading and Part Two, land navigation. The appendixes include a list of exportable training materials, a matrix of land navigation tasks, an introduction to orienteering, and a discussion of several devices that can assist the soldier in land navigation.

This United States Army doctrine, Field Manual FM 3-96 Brigade Combat Team January 2021, provides doctrine for the brigade combat team (BCT). This manual describes how the BCT, as part of a joint team, shapes operational environments, prevents conflict, conducts large-scale ground combat, and consolidates gains against a peer threat. FM 3-96 describes relationships, organizational roles and functions, capabilities and limitations, and responsibilities within the BCT. Tactics, the employment, ordered arrangement, and directed actions of forces in relation to each other (ADP 3-90), are discussed in this manual and are intended to be used as a guide. They are not prescriptive. FM 3-96 applies to the three maneuver BCT types: Infantry, Stryker, and Armored. The principal audience for FM 3-96 is the commanders, staffs, officers, and noncommissioned officers of the brigade, battalions, and squadron within the BCT. The audience also includes the United States Army Training and Doctrine Command institutions and components, and the United States Army Special Operations Com-

mand. This manual serves as an authoritative reference for personnel developing doctrine, materiel and force structure, institutional and unit training, and standard operating procedures for the BCT. For lower maneuver echelon specific discussions, see the appropriate Army techniques publication for that organization. FM 3-96 applies to the Active Army, the Army National Guard/the Army National Guard of the United States, and the United States Army Reserve unless otherwise stated.

The exciting next book in the bestselling Jedi/Sith/Bounty Hunter series has arrived! The Empire has taken hold of the galaxy, and high-ranking officials from each branch of the military have created an Imperial Handbook, compiling tactical guidelines and procedures as well as mission reports and classified documents for all newly ascending commanders. This comprehensive manual details secrets of Imperial battle tactics, acceptable actions for bringing swift justice to traitors, and the Emperor's long-term plan for galactic military domination. After the Battle of Endor, this copy of the Imperial Handbook fell into the hands of the Rebel Alliance. Well-known rebels provide a humorous running counter-commentary to the official Imperial propaganda in the form of handwritten annotations in the margins of the pages. © and TM Lucasfilm Ltd. Used Under Authorization

An illustrated identification guide to all the types of mobile field artillery (wheeled) adopted for service by US military forces (Army, Navy, Marine Corps) in the modern era. Covers the period from 1875 and the first breechloading, rifled guns through types adopted during the Korean War. Major types profiled are field and infantry artillery, mountain guns, siege artillery, anti-tank guns, and na-

val landing guns. Each type of gun is described in text, drawings, and photos. Included are the history of the type's development, major features, production, combat usage, and comments about surviving examples. It will prove to be a valuable reference guide to military historians, students of artillery technology, and those caring for or collecting surviving examples. This book is the first comprehensive guide to American mobile artillery ever to be published."

Training Circular (TC) 3-09.81, "Field Artillery Manual Cannon Gunnery," sets forth the doctrine pertaining to the employment of artillery fires. It explains all aspects of the manual cannon gunnery problem and presents a practical application of the science of ballistics. It includes step-by-step instructions for manually solving the gunnery problem which can be applied within the framework of decisive action or unified land operations. It is applicable to any Army personnel at the battalion or battery responsible to delivered field artillery fires. The principal audience for ATP 3-09.42 is all members of the Profession of Arms. This includes field artillery Soldiers and combined arms chain of command field and company grade officers, middle-grade and senior noncommissioned officers (NCO), and battalion and squadron command groups and staffs. This manual also provides guidance for division and corps leaders and staffs in training for and employment of the BCT in decisive action. This publication may also be used by other Army organizations to assist in their planning for support of battalions. This manual builds on the collective knowledge and experience gained through recent operations, numerous exercises, and the deliberate process of informed reasoning. It is rooted in time-tested principles and fundamentals, while accommodating

new technologies and diverse threats to national security.

This strategy document sets out the Government's analysis of the UK's defence industrial capabilities requirement, and is divided into three parts: i) a strategic overview including information on the principles and processes that underpin procurement and industrial decisions, the need for transparency, the evolving defence industry environment, developments and innovation in defence research technology; ii) a review of different industrial sectors and cross-cutting industrial capabilities; and iii) how the strategy will be implemented and an assessment of implications for the Ministry of Defence and industry as a whole.

July 2019 Printed in BLACK AND WHITE The Army's Weapon Systems Handbook was updated in July 2019, but is still titled "Weapon Systems Handbook 2018." We are printing this in black and white to keep the price low. It presents many of the acquisition programs currently fielded or in development. The U.S. Army Acquisition Corps, with its 36,000 professionals, bears a unique responsibility for the oversight and systems management of the Army's acquisition lifecycle. With responsibility for hundreds of acquisition programs, civilian and military professionals collectively oversee research, development and acquisition activities totaling more than \$20 billion in Fiscal Year 2016 alone. Why buy a book you can download for free? We print this so you don't have to. We at 4th Watch Publishing are former government employees, so we know how government employees actually use the standards. When a new standard is released, somebody has to print it, punch holes and put it in a 3-ring binder. While this is not a big deal for a 5 or 10-page document, many DoD documents are over

400 pages and printing a large document is a time-consuming effort. So, a person that's paid \$25 an hour is spending hours simply printing out the tools needed to do the job. That's time that could be better spent doing mission. We publish these documents so you can focus on what you are there for. It's much more cost-effective to just order the latest version from Amazon.com. SD-VOSB If there is a standard you would like published, let us know. Our web site is usgovpub.com

Army Techniques Publication ATP 3-09.30 Observed Fires SEPTEMBER 2017 Army Techniques Publication (ATP) 3-09.30 sets forth the doctrine pertaining to the organization, equipment, mission command, operations, and provides techniques for employing fire support assets as an observer which can be applied within the framework of decisive action or unified land operations. It is applicable to any Army personnel observing for artillery or mortar fires, close air support, army attack aviation, or naval surface fire support. See ATP 3-09.32 for information on close air support, army attack aviation, or naval surface fire support. The principal audience for this publication is FA commanders, staffs, and personnel at the field artillery brigade (FAB), division artillery (DIVARTY), and brigade combat team (BCT) and separate FA battalions and below. Commanders, staffs, and subordinates ensure that their decisions and actions comply with applicable United States, international, and in some cases host-nation laws and regulations. Commanders at all levels ensure that their Soldiers operate in accordance with the law of war and the rules of engagement (See FM 27-10).

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110 Pages - Classic White Lined Paper - For Writing, Sketching, Journals and Hand Lettering

Volume 5, *Deep Maneuver: Historical Case Studies of Maneuver in Large-Scale Combat Operations*, presents eleven case studies from World War II through Operation Iraqi Freedom focusing on deep maneuver in terms of time, space and purpose. Deep operations require boldness and audacity, and yet carry an element of risk of overextension - especially in light of the independent factors of geography and weather that are ever-present. As a result, the case studies address not only successes, but also failure and shortfalls that result when conducting deep operations. The final two chapters address these considerations for future Deep Maneuver.

Multiservice Helicopter Sling Load: Basic Operations And Equipment COMDTINST M13482.2B; TM 4-48.09 (FM 4-20.197); MCRP 4-11.3E; NTTP 3-04.11; AFMAN 11-223 On the Cover: K9 Piper is one of the very special dogs that keep airports safe. You can find Piper's social media accounts by searching: @airportsk9. This manual is one of a series of manuals for aviation and ground personnel who perform helicopter sling load missions ashore or aboard ship. These manuals are a coordinated effort of the US Army, US Marine Corps, US Navy, US Air Force, and US Coast Guard. All services participate in the sling load certification program begun by the Army in 1984. These manuals include standardized rigging procedures and other information from that program. Efforts were made to standardize ground crew and hookup procedures and terminology. The terms "helicopter" and "aircraft" refer to vertical lift aircraft that participate in sling load op-

erations. Where service-unique requirements apply to an entire chapter or body of text, the service initials are at the beginning of the chapter or text. Otherwise the initials are at the end of the applicable sentence. The information in this manual will familiarize personnel with the sling sets, cargo nets, and other sling load equipment in the DOD inventory. It will also acquaint them with the helicopters used for sling load and provide basic procedures for rigging and hooking up loads. Rigging equipment and procedures described in this manual may not be authorized for all aircraft or services because of equipment or service restrictions. This manual does not provide details on aviation operations nor does it present detailed data that is normally contained in unit standing operating procedures (SOPs). Why buy a book you can download for free? We print the paperback book so you don't have to. First you gotta find a good clean (legible) copy and make sure it's the latest version (not always easy). Some documents found on the web are missing some pages or the image quality is so poor, they are difficult to read. If you find a good copy, you could print it using a network printer you share with 100 other people (typically its either out of paper or toner). If it's just a 10--page document, no problem, but if it's 250-pages, you will need to punch 3 holes in all those pages and put it in a 3-ring binder. Takes at least an hour. It's much more cost-effective to just order the bound paperback from Amazon.com This book includes original commentary which is copyright material. Note that government documents are in the public domain. We print these paperbacks as a service so you don't have to. The books are compact, tightly-bound paperback, full-size (8 1/2 by 11 inches), with large text and glossy covers. 4th Watch Publishing Co. is a HUBZONE

SDVOSB. <https://usgovpub.com>

This annual statistical compendium from the Ministry of Defence contains a wide range of data relating to the armed forces, defence expenditure, service and civilian personnel and defence activities. Findings for the period 2003-04 include: i) defence spending was the Government's fourth highest expenditure, with a provisional outturn against the Departmental Expenditure Limits of £37.2 billion, and a total value of MoD fixed assets of £86.3 billion as of March 2003; ii) the total number of MoD personnel fell by 34 per cent between 1990 to 2004, with service personnel down by 32 per cent; iii) the proportion of serving personnel from the ethnic minorities stood at 4.9 per cent at April 2004, compared with 4.3 per cent the previous year; iv) in 2002-03, MoD net expenditure on R&D activity totalled £2.7 billion; and v) the MoD spent around £1.7 billion on conflict prevention activities worldwide during the year 2003-04.

To assist the Army in its reorientation toward conventional combat operations, the authors of this report identify capability gaps in the field artillery and actions that the Army should consider taking from today to roughly 2030.

This Army Tactics, Techniques, and Procedures (ATTP) is intended to help company-level leaders understand the principles and techniques of camouflage, concealment, and decoys (CCD). To remain viable, all units must apply CCD to personnel and equipment. Ignoring a threat's ability to detect friendly operations on the battlefield is shortsighted and dangerous. Friendly units enhance their survivability capabilities if they are well versed in CCD principles and techniques. CCD is equal in importance to marksman-

ship, maneuver, and mission. It is an integral part of a soldier's duty. CCD encompasses individual and unit efforts such as movement, light, and noise discipline; letter control; dispersal; and deception operations. Each soldier's actions must contribute to the unit's overall CCD posture to maximize effectiveness. Increased survivability is the goal of a CCD plan. A unit commander must encourage each soldier to think of survivability and CCD as synonymous terms. Training soldiers to recognize this correlation instills a greater appreciation of CCD values.

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Giving this Nine Monthly manual, we all team members are very happy, as this will be very helpful to every aspirants in their cur-

rent affairs norms, as well as for all competitive exams. This manual virtually is covering most of the current affairs related events from June 2017 Till Date. We have prepared this special manual keeping in mind that students need updated current affairs for several examinations like UPSC, State PSCs, Railways and other competitive examinations. We have prepared this manual in bullets with bold facts which eventually would be helpful for the students. This issue fulfills the need of a manual that will provide to students latest current affairs of the latest months in concise form. This issue covers Union Budget 2018-19, Economic Survey 2017-18, India State of Forest report -2017 and Census 2011 in easy format. In addition UP Budget 2018-19 is also included in briefs. In this manual Current affairs related to National, International, Sports, States, Science and Tech., Environment and ecology are also given. Apart from this more than thousand MCQs are given in this. Kindly send us your feedbacks and suggestions in order to make this magazine more meaningful and helpful. Wishing you all the luck for your brilliant future and bright success

Army Techniques Publication (ATP) 3-09.50, "The Field Artillery Cannon Battery," provides doctrinal guidance for commanders and subordinate leaders who are responsible for conducting cannon battery functions or tasks. It serves as an authoritative reference for personnel responsible for developing: Doctrine (fundamental principles; tactics, techniques, and procedures) material and force Structure, Institution and unit training, Tactical standard operating procedures for cannon battery units.

Marine Corps Warfighting Publication (MCWP) 3-16.7, Marine Artillery Survey Operations, sets forth the doctrinal foundation and technical information that Marines need to provide accurate and

timely survey support.

This report was written as part of a project entitled "Joint Operational Concepts for an Uncertain Future." The focus of the research became an effort to assess the challenges that U.S. Army airborne forces may face in the future and identify capabilities airborne forces will need to effectively address those challenges. This report summarizes threats to the current U.S. airborne force and explores the concept of an airborne light armored infantry force as a possible means to mitigate those threats. Additionally, the report examines possible vehicle options for such a concept, as well as joint requirements that the concept might generate, particularly in terms of the amount of airlift that an Army airborne unit with an increased number of vehicles could require.

Military demolitions are the destruction by fire, water, explosive, and mechanical means of areas, structures, facilities, or materials to accomplish a military objective. The U.S. Army Explosives and Demolitions Handbook is a guide to the use of explosives in the destruction of military obstacles from the Department of the U.S. Army. This guide includes information on types, characteristics, and uses of explosives and auxiliary equipment; preparation, placement, and firing of charges; safety precautions; handling, transportation, and storage of explosives; deliberate and hasty demolition methods; and much more. Applicable to nuclear and non-nuclear warfare, and having offensive and defensive uses, the knowledge one will come away with from reading this handbook is invaluable.

There is increasing concern over the common, repetitive forms of blast to which military members are exposed during service, and

how those exposures could affect the central nervous system. The authors of this report review the relevant literature.

This volume presents a collection of 38 articles, interviews, and speeches describing many aspects of the U.S. Marine Corps' participation in Operation Enduring Freedom from 2001 to 2009. This work is intended to serve as a general overview and provisional reference to inform both Marines and the general public until the History Division completes monographs dealing with major Marine Corps operations during the campaign. The accompanying annotated bibliography provides a detailed look at selected sources that currently exist until new scholarship and archival materials become available. From the Preface - From the outset, some experts doubted that the U.S. Marines Corps would play a major role in Afghanistan given the landlocked nature of the battlefield. Naval expeditionary Task Force 58 (TF-58) commanded by then-Brigadier General James N. Mattis silenced naysayers with the farthest ranging amphibious assault in Marine Corps/-Navy history. In late November 2001, Mattis' force seized what became Forward Operating Base Rhino, Afghanistan, from naval shipping some 400 miles away. The historic assault not only blazed a path for follow-on forces, it also cut off fleeing al-Qaeda and Taliban elements and aided in the seizure of Kandahar. While Corps doctrine and culture advocates Marine employment as a fully integrated Marine air-ground task force (MAGTF), deployments to Afghanistan often reflected what former Commandant General Charles C. Krulak coined as the "three-block war." Following TF-58's deployment during the initial take down of the Taliban regime, the MAGTF made few appearances in Afghanistan until

2008. Before then, subsequent Marine units often deployed as a single battalion under the command of the U.S. Army Combined Joint Task Force (CJTF) to provide security for provincial reconstruction teams. The Marine Corps also provided embedded training teams to train and mentor the fledgling Afghan National Army and Police. Aviation assets sporadically deployed to support the U.S.-led coalition mostly to conduct a specific mission or to bridge a gap in capability, such as close air support or electronic warfare to counter the improvised explosive device threat. From 2003 to late 2007, the national preoccupation with stabilizing Iraq focused most Marine Corps assets on stemming the insurgency, largely centered in the restive al-Anbar Province. As a result of the North Atlantic Treaty Organization (NATO) taking over command of Afghan operations and Marine Corps' commitments in Iraq, relatively few Marine units operated in Afghanistan from late 2006 to 2007. Although Marines first advocated shifting resources from al-Anbar to southern Afghanistan in early 2007, the George W. Bush administration delayed the Marine proposal for fear of losing the gains made as a result of Army General David H. Petraeus' "surge strategy" in Iraq. By late 2007, the situation in Afghanistan had deteriorated to the point that it inspired Rolling Stone to later publish the story "How We Lost the War We Won." In recognition of the shifting tides in both Iraq and Afghanistan, the Bush administration began to transfer additional resources to Afghanistan in early 2008. The shift prompted senior Marines to again push for a more prominent role in the Afghan campaign, even proposing to take over the Afghan mission from the Army. .

. . . The organizing principle for the research was the Army's warfight-

ing functions. These functions include movement and maneuver (air and ground), intelligence, fires (indirect), sustainment, mission command, and protection. The comparison of the Army's systems with their foreign counterparts was performed within this framework. The primary data used to develop comparisons were the on-the-record attributes of a system, such as the range of weapons and the munitions they fire, weight and protection lev-

els of vehicles, carrying capacity of vehicles either in terms of numbers of personnel or cargo, and range and payload characteristics of helicopters. In addition to performing direct system-to-system comparisons, the research was able to identify cross-cutting insights and issues that spanned several of the warfighting functions.