



Operational Logistics

**James G. Currie, U.S. Army Command
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Operational Logistics:

Operational Logistics Moshe Kress, 2002-06-30 Operational Logistics The Art and Science of Sustaining Military Operations explores military logistics in terms of the theoretical foundations of operational logistics OpLog and its applications. The theoretical foundations are examined with regard to two dimensions. First the artistic or qualitative aspects of contemporary logistics are looked at in the context of the operational level of war. These OpLog aspects include principles, imperatives and tenets which are stated and analyzed. The second dimension relates to the scientific aspects of logistics. It is manifested by a formal network model that represents the structural and operational features of an OpLog system. Hence the book examines both artistic and scientific dimensions of military logistics and integrates the respective qualitative and quantitative aspects into a unified and definitive presentation of operational logistics. Chapter 1 presents a general introduction to military logistics. Chapter 2 discusses the general structure and characteristics of logistics and describes its three levels strategic, operational and tactical. Chapter 3 focuses on Operational Logistics OpLog. Chapter 4 deals with the logistics planning process. Chapter 5 addresses the issue of logistics information. Chapter 6 deals with forecasting logistics demands. Chapter 7 introduces the first version of the logistics network model. Chapter 8 addresses an important property of an OpLog system. Flexibility. Chapter 9 discusses two major and dual issues in OpLog practice: force accumulation and medical treatment and evacuation. Chapter 10 presents an inter temporal network optimization model that is designed to determine deployment and employment of the support chain in an OpLog system.

Operational Logistics Moshe Kress, 2012-12-06 Operational Logistics The Art and Science of Sustaining Military Operations explores military logistics in terms of the theoretical foundations of operational logistics OpLog and its applications. The theoretical foundations are examined with regard to two dimensions. First the artistic or qualitative aspects of contemporary logistics are looked at in the context of the operational level of war. These OpLog aspects include principles, imperatives and tenets which are stated and analyzed. The second dimension relates to the scientific aspects of logistics. It is manifested by a formal network model that represents the structural and operational features of an OpLog system. Hence the book examines both artistic and scientific dimensions of military logistics and integrates the respective qualitative and quantitative aspects into a unified and definitive presentation of operational logistics. Chapter 1 presents a general introduction to military logistics. Chapter 2 discusses the general structure and characteristics of logistics and describes its three levels strategic, operational and tactical. Chapter 3 focuses on Operational Logistics OpLog. Chapter 4 deals with the logistics planning process. Chapter 5 addresses the issue of logistics information. Chapter 6 deals with forecasting logistics demands. Chapter 7 introduces the first version of the logistics network model. Chapter 8 addresses an important property of an OpLog system. Flexibility. Chapter 9 discusses two major and dual issues in OpLog practice: force accumulation and medical treatment and evacuation. Chapter 10 presents an inter temporal network optimization model that is designed to determine deployment and employment of the support chain in an

OpLog system **Operational Logistics** Moshe Kress,2002-06-30 Operational Logistics The Art and Science of Sustaining Military Operations explores military logistics in terms of the theoretical foundations of operational logistics OpLog and its applications The theoretical foundations are examined with regard to two dimensions First the artistic or qualitative aspects of contemporary logistics are looked at in the context of the operational level of war These OpLog aspects include principles imperatives and tenets which are stated and analyzed The second dimension relates to the scientific aspects of logistics It is manifested by a formal network model that represents the structural and operational features of an OpLog system Hence the book examines both artistic and scientific dimensions of military logistics and integrates the respective qualitative and quantitative aspects into a unified and definitive presentation of operational logistics The book is intended for logisticians commanders and military scholars Operations research analysts who are interested in large scale logistics systems may also find interest in the book in particular in the models that are presented in the last four chapters Chapter 1 presents a general introduction to military logistics Chapter 2 discusses the general structure and characteristics of logistics and describes its three levels strategic operational and tactical Chapter 3 focuses on Operational Logistics OpLog Chapter 4 deals with the logistics planning process Chapter 5 addresses the issue of logistics information Chapter 6 deals with forecasting logistics demands Chapter 7 introduces the first version of the logistics network model Chapter 8 addresses an important property of an OpLog system Flexibility Chapter 9 discusses two major and dual issues in OpLog practice force accumulation and medical treatment and evacuation Chapter 10 presents an inter temporal network optimization model that is designed to determine deployment and employment of the support chain in an OpLog system Operational Logistics ,2001 In the twentieth century Army operational logisticians sustained land combat operations in five recognized wars World War I World War II Korea Vietnam and Operation Desert Storm Only three of the five wars involved major combat maneuvers namely World War II Korea and Operation Desert Storm In each war the logistics system had to be tailored in size structure and procedures to support the mission composition and concept of operations of the military forces In World War II the operational logistics system sustained the island hopping campaigns in the South Pacific and the Normandy invasion in Europe In Korea the operational logistics system sustained the Nakdong Pusan Perimeter the Inchon landing and the ground offensive into North Korea In Operation Desert Storm the operational logistics system sustained the major ground offensive into Iraq With the exception of Operation Desert Storm the operational logistics system exhibited limitations Lack of thorough planning in support of branches and sequels resulted in logistics culmination and operational logistics pauses in Operation Chromite Korea and Operation Overlord World War II US forces surrendered the initiative to the enemy and missed opportunities to quickly end the wars According to James Huston author of Logistics in Armed Conflict logistics culmination and operational logistics pauses are a common event in the US war experience One of the weaknesses of logistics has been a failure of transportation for the support of the exploitation and pursuit phases of an action The purpose

of the monograph is to determine whether continued ground operations would have shown Operation Desert Storm to be an example of a responsive Army theater logistic system for sustained land combat **Operational Logistics** Michael C Lopez,2025-05-22 In the twentieth century Army operational logisticians sustained land combat operations in five recognized wars World War I World War II Korea Vietnam and Operation Desert Storm Only three of the five wars involved major combat maneuvers namely World War II Korea and Operation Desert Storm In each war the logistics system had to be tailored in size structure and procedures to support the mission composition and concept of operations of the military forces In World War II the operational logistics system sustained the island hopping campaigns in the South Pacific and the Normandy invasion in Europe In Korea the operational logistics system sustained the Naktong Pusan Perimeter the Inchon landing and the ground offensive into North Korea In Operation Desert Storm the operational logistics system sustained the major ground offensive into Iraq With the exception of Operation Desert Storm the operational logistics system exhibited limitations Lack of thorough planning in support of branches and sequels resulted in logistics culmination and operational logistics pauses in Operation Chromite Korea and Operation Overlord World War II US forces surrendered the initiative to the enemy and missed opportunities to quickly end the wars According to James Huston author of Logistics in Armed Conflict logistics culmination and operational logistics pauses are a common event in the US war experience One of the weaknesses of logistics has been a failure of transportation for the support of the exploitation and pursuit phases of an action The purpose of the monograph is to determine whether continued ground operations would have shown Operation Desert Storm to be an example of a responsive Army theater logistic system for sustained land combat The answer will depend on researching several factors defining operational logistics developing an operational logistics planning process conducting a case study on Operation Desert Storm and defini This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it This work was reproduced from the original artifact and remains as true to the original work as possible Therefore you will see the original copyright references library stamps as most of these works have been housed in our most important libraries around the world and other notations in the work This work is in the public domain in the United States of America and possibly other nations Within the United States you may freely copy and distribute this work as no entity individual or corporate has a copyright on the body of the work As a reproduction of a historical artifact this work may contain missing or blurred pages poor pictures errant marks etc Scholars believe and we concur that this work is important enough to be preserved reproduced and made generally available to the public We appreciate your support of the preservation process and thank you for being an important part of keeping this knowledge alive and relevant **Operational Logistics, War and Operations Other Than War: What Applies?** ,1995 This study assesses the role of operational logistics in a war environment and in an operations other than war OOTW environment by way of conducting a historical analysis of Desert Storm and humanitarian assistance operations in Somalia A framework of

campaign design elements is used to examine how operational logistics was integrated into each operation and to what degree the design elements influenced the logistic support in the particular environment Three conclusions stem from the research One the warfighting concept of operational logistics is transferrable when supporting certain operations other than war missions The operational logistics functions apply regardless of the environment in which it is executed Therefore from a functional approach this study supports the idea that the operational level of war is applicable to the OOTW environment The second conclusion is the construct of applying campaign design elements as criteria for measuring the integration and application of operational logistics was tested and found to be useful It appears this use of criteria elements can serve as a template for operational logistics efforts both in war and peace provided the functional aspect of the design element vice the doctrinal pure definition be considered when applying it to the different environments The final implication of this study is it reaffirms that as one progresses up the levels of war the distinction between strategy and logistics erodes *Operational Logistics: The Need for a Joint Logistics Command, Who is Best for the Job*, 2002 As America ventures into the 21st century the military faces increased responsibilities all over the globe Military missions cross the entire spectrum of crisis intervention from humanitarian assistance to peace operations to high intensity conflict This increased responsibility has been coupled with an extensive decrease in force structure *Operational Logistics/Role for the Future*, 1994 The Army is preparing to publish a first ever doctrine manual on operational logistics The draft version of this manual does not provide a template for conducting operational logistics in the future Instead it is a culmination of past experience This analysis examines the question of what role operational logistics will play in the future To accomplish this operational logistics is defined within the scope of military operations and developed into a conceptual frame work for planning and application The historical and present application of operational logistics is analyzed by use of 19th and 20th century military operations with the focus on major land campaigns Using this analysis three future revolutionary changes impacting operational logistics are identified These changes involve restructuring from service oriented to joint logistics forces balancing the equation of effectiveness and efficiency as the result of microchip technology and driving technology to find a solution for revolutionizing theater ground transportation Objective focused theater logistics doctrinal concepts Oriented toward 21st century *21st Century Combat and the Operational Logistics Link* Michael J. Curry, U.S. Army Command and General Staff College, School of Advanced Military Studies, 1999 **21st Century Combat and the Operational Logistics Link** Michael J. Curry, 1999 This monograph examines the ability of the COSCOM to execute operational logistics tasks in a single corps contingency as outlined in FM 100-7 Decisive Force The Army in Theater of Operations The monograph concludes that the COSCOM cannot execute the operational logistics tasks required to support an operational commander The monograph also explores the value added prospects of new information based technologies which are central underpinnings to the conceptual framework of future Army logistics Then using two but very different military operations Operation Desert Storm and Operation Restore

Hope the monograph provides insight into the fundamental organizational problems within the COSCOM. This is followed up with an examination of the organization's future requirements and why it must change to reflect the nature and character of future conflict in the 21st century. The author contends future operations will not support the formation of ad hoc configured logistic units and that the only way to surmount the operational logistics challenges of the future is to create a balanced force with a robust COSCOM capable of executing both tactical and operational logistics operations. Old Cold War paradigms used to shape the development of past logistics organizations will not support 21st century combat operations.

The Army's Operational Logistics Doctrine for the Twenty-first Century Kent S. Marquardt, U.S. Army Command and General Staff College. School of Advanced Military Studies, 1999 Operational Logistics, War and Operations Other Than War James G. Currie, U.S. Army Command and General Staff College. School of Advanced Military Studies, 1995

The Army's Operational Logistics Doctrine For The Twenty-First Century Kent S. Marquardt, 1999 The Army's Operational Logistics Doctrine For The Twenty First Century Major Kent S Marquardt USA 42 Pages Currently there is no Army operational level logistics doctrine. Since Army logistics has responsibility for prompt and sustained support operational logistics doctrine should be applicable to all areas that fall under the Army's responsibility to provide logistics support for itself other services allies and agencies. Army operational logistics doctrine should link the foxhole to the industrial base and encompass the ability to anticipate and improvise based upon the situation. The methodology of this paper considers several things. First it defines the different levels of war and logistics as specified in joint doctrine. Next it shows how doctrine is derived and how the manuals present doctrine. Third it compares fundamental logistics precepts presented in current Army manuals and Joint Publications. Finally current logistics doctrine is evaluated against criteria established in TRADOC Pam 525 5 Force XXI Operations A Concept for the Evolution of Full Dimensional Operations for the Strategic Army of the Early Twenty First Century in order to discern the best Army logistics doctrine at the operational level. The following questions are answered: 1. What is operational logistics? 2. What are the levels of war as they apply to Army logistics? 3. What is doctrine and how does it fit into the Army's operational context? 4. What guides the contents of Army manuals? 5. How do these manuals fit into the structure of logistics doctrine? 6. What is the difference between logistics doctrine in joint and Army manuals? 7. How does this doctrine compare against evaluation criteria established by Training and Doctrine Command TRADOC? 8. What should be the operational logistics doctrine for the Army? 9. In what manual should this operational logistics doctrine reside?

Mobility, Support, Endurance, a Story of Naval Operational Logistics in the Vietnam War, 1965-68 United States. Navy Department. Naval Operations Office, 1972 **Art Or Science: Operational Logistics as Applied to Op Art**, 2006 Since Logistics provides the direct physical means to our ability to conduct military functions and tasks in order to reach goals and achieve objectives, we view Operational Logistics as an art form rather than an algebraic sequence of events providing material and services. Viewing Operational Logistics through the lens of The Factors of Operational Art Time Space and Force

is a useful method for ascertaining the artistic nature of logistics Time distance and physical means apply to everything that happens in war from the strategic to the tactical Being able to measure these factors and ascertain the best course of action is critical to Operational Art By applying modern operational art tenets the three Operational Factors and the Principles of War it is quite evident that Operational Logistics is as integral part the operational planning and execution process as is the other warfighting functions such as maneuver fires and intelligence Plans will be better formulated and better risk decisions are made the earlier we incorporate the ways and means of military operations as a method during the planning process

The Rucksack War Edgar F. Raines,2010 This volume provides an account of how Army logistics affected ground operations during the Grenada intervention and how combat influenced logistical performance from Foreword *Joint Logistics at the Operational Level-- Where Are We At and Where Are We Going?* ,1997 This paper analyzes operational logistics for land warfare to determine if there is a requirement for an echelon above corps joint logistics command It will also determine if U S army command and control support organizations such as the Corps Support Command Theater Army Area Command or the conceptual Theater Support Command are suitable to support this command and control function Additionally the paper argues that the centralized planning and control function provided by a Joint Logistic Command is a primary step to focusing logistics Operations since the enactment of the Goldwater Nichols Act in 1986 have seen an increased use of a joint logistics command and control structure to focus the logistics effort of the theater and or area of operation The consolidation of Defense Logistics and Services agencies have increased the need for a consolidated logistics control node at the operational level to orchestrate strategic level support to the tactical level This link creates a seamless logistics system Historically in all major conflicts the U S Military Services have operated as joint force integration however is usually only at the highest level The current and future trend of joint operations is to integrate service capabilities to include logistics at the lower Joint Task Force JTF level The paper concludes that the U S Military operates joint logistics for landbased operations primarily with the Army and in the future this trend should continue with increased service integration However joint logistics doctrine must be authoritative to drive the integration process **Mobility, Support, Endurance**

Edwin Bickford Hooper,1972 **The Rucksack War** Edgar F. Raines,2011-01 The Rucksack War U S Army Operational Logistics in Grenada 1983 is the second volume in the U S Army Center of Military History s Contingency Operations Series provides an account of how Army logistics affected ground operations during the Grenada intervention and in turn how combat influenced logistical performance Noteworthy is the book s emphasis on the role of individuals and of the decisions they made based on the necessarily incomplete and sometimes misleading information available at the time The narrative ranges through all levels of war from the meetings of the National Security Council where the president grappled with the question of whether to intervene in the wake of a bloody coup to the jungles of Grenada where a sergeant in combat coped successfully with a Cuban ambush despite a lack of hand grenades Raines is careful to place Army logistical planning and

operations in a joint context as well as grounding them in the Army's post Vietnam reform of logistical organization and doctrine. In addition to furnishing a fascinating account of a complex operation The Rucksack War identifies many issues that may well influence the conduct of U.S. forces in future short notice contingency operations **Just-in-Time Operational Logistics, A Naval Warfighter's View**, 1997. The peace dividend of the post cold war years is forcing the U.S. military to plan, operate and fight under tight budgetary conditions. Requirements to balance the national deficit coupled with a non-descript threat to world and U.S. peace are driving the military to examine how it does business and to reduce waste. Radical and innovative concepts are being examined in order to maximize logistics efficiency while preserving combat readiness. As the budgeteers maneuver to save dollars warfighters are struggling to maintain a balance between reducing waste and eliminating necessary combat capabilities. Just in time inventory is a civilian concept being to military logistics in an effort to improve efficiency and save money. Although the concept has several advantages over conventional warehousing it was designed to function in the benign civilian free market not in a war zone or hostile environment. The system is heavily dependent on timely and reliable transportation networks in order to be effective. The U.S. Navy is examining this concept and implementing it on a broad basis. The Navy has a primary mission to conduct prompt and sustained combat operations at sea in support of national objectives. This concept has the potential to limit the Navy's ability to sustain itself in the forward operating areas and may seriously impact the operational commander's focus on his combat mission. To successfully conduct combat operations an operational commander must comprehend and balance the very structure upon which war is based strategy, tactics and logistics. Strategy and tactics provide the scheme for the conduct of military operations logistics provides the means therefore for a proper balance between the requirement to present dominant combat fighting power and logistics efficiency must be maintained.

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In an era characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its capability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Operational Logistics**," a mesmerizing literary creation penned by way of a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring affect on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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