

Epub free Integration control and deconfliction of joint fires study (PDF)

the joint fires and targeting handbook provides established and evolving tactics techniques and procedures used by personnel involved in day to day joint fires and targeting processes this handbook serves as a bridge between current operational level doctrine and tactical level employment at the joint force level it is intended to inform doctrine writers educators and trainers about the joint targeting process it supplements not replaces existing joint or service doctrine the handbook is designed for use by personnel assigned to or participating in a joint targeting effort it also presents well developed definitions that have been harmonized with joint doctrine and discusses those best practices that have proven of value during on going military operations exercises and experimentation the handbook is meant to educate the joint community about the joint fires and targeting processes and to offer some useful techniques and procedures that can be used in the combatant commands and subordinate units by commanders and their staffs this manual joint publication jp 3 09 joint fire support april 2019 provides an overview of joint fire support scheme of fires and the relationship between joint fire support and joint targeting it describes joint force command structure and function component fires command and control organizations and support relationships employed to conduct joint fires presents the joint fire support planning process both pre execution operations planning and during execution joint targeting cycle discusses considerations and factors involved during joint fire support execution presents the process to assess joint fire support the fires function and targeting process continues to mature at an accelerated pace as joint coalition and supporting forces remain engaged in on going high tempo operations these continuing operations reinforce the need for knowledgeable and efficient planners targeteers and weaponeers emerging technologies and joint warfighter experiences combine to turn lessons learned into improved and new joint fires and targeting planning execution and assessment best practices many of these innovative procedures are recognized by the joint community but they are not yet approved joint doctrine this handbook was developed to ensure commonly accepted best practices for planning executing and assessing joint fires and targeting are documented while this handbook does contain extracts from many doctrinal publications it is not approved joint doctrine but serves as an important pre doctrinal product that will aid its refinement united states joint forces command developed this handbook for combatant commanders subordinate joint force commanders joint force staff members and first tactical echelon personnel this publication provides fundamental principles and guidance for planning coordinating and executing joint fire support across the range of military operations this publication has been prepared under the direction of the chairman of the joint chiefs of staff it sets forth joint doctrine to govern the activities and performance of the armed forces of the united states in joint operations and provides the doctrinal basis for interagency coordination and for us military involvement in multinational operations it provides military guidance for the exercise of authority by combatant commanders and other joint force commanders jfcs and prescribes joint doctrine for operations education and training it

provides military guidance for use by the armed forces in preparing their appropriate plans it is not the intent of this publication to restrict the authority of the jfc from organizing the force and executing the mission in a manner the jfc deems most appropriate to ensure unity of effort in the accomplishment of the overall objective joint fires are defined as fires delivered during the employment of forces from two or more components in coordinated action to produce desired effects in support of a common objective joint fire support is defined as joint fires that assist air land maritime and sof to move maneuver and control territory populations airspace and key waters in support of the joint force commander s jfc s scheme of maneuver the concept of operations conops describes how actions of the joint force components and supporting organizations will be integrated synchronized and phased to accomplish the mission including potential branches and sequels all fires should support the jfc s objectives some fires will support maneuver forces and other fires are independent of maneuver and orient on creating specific effects although airpower capabilities have improved dramatically in the past decade the joint warfighting potential offered by these capabilities is not being fully realized service transformation efforts and lessons learned during combat operations in afghanistan and iraq highlight doctrinal and technical issues with air and ground integration the authors propose several alternative options for improving the effectiveness of air and ground fires and maneuver to compare the potential effectiveness of the options they develop a methodology that models the essential counterland air ground interactions under discussion based on a scenario that focuses on the disruption of enemy ground force maneuver they suggest a new joint warfighting concept that has design elements specifically put in place to enhance the prioritization and synchronization of joint fires and maneuver this concept offers important benefits and significant added flexibility for employing joint forces to achieve the commander s objectives across the entire theater this research product provides a detailed description of joint fires as accomplished by an army corps acting as a joint task force it is one in a series that describes the tasks performers and outcomes for the combat function of coordinate synchronize and integrate fire support assessment criteria are provided for reports in this series except for the one at brigade level reports focus on fire support at the echelons of brigade division and corps and to related functions at corps as a joint task force this series of research products provides resource documents for military and civilian trainers to assist in the design and evaluation of single service and joint training doctrinal writers may use these descriptions as a basis for modifying current doctrine or for the formulation of future doctrine dtic adp 3 19 fires july 2019 defines and describes the fires warfighting function in terms of its major tasks capabilities functions and processes and describes the integration of capabilities and their associated effects through the targeting and operations processes the successful employment of fires depends on the integration and synchronization of all elements of fires across domains and in concert with the other warfighting functions this manual forms the foundation for training and army education curricula on fires the scope of this publication is broad in order to cover fires as a complete entity it gives equal treatment to the diverse assets that contribute to the fires warfighting function the term fires in this document includes lethal and nonlethal effects as delivered by army joint and multinational capabilities

to create effects in multi domain operations army leaders must consider the fires warfighting function in an inclusive manner integrating assets and effects in 200 the under secretary of defense for acquisition technology and logistics usd at l directed the defense science board dsb to study the precision targeting of air delivered munitions the results of the 2001 task force were well received within office of the secretary of defense osd and in june 2003 usd at l directed the dsb to study the closely related topic of integrated fire support in the battlespace in this new study the 2003 task force applied an approach and methodology similar to the 2001 effort but focused instead on ground based fires sea based fires and close air support as directed in its terms of reference for the 2003 task force assessed the following the adequacy of current and proposed munitions the timeliness and accuracy of isr systems the adequacy of battlefield c exp 3 systems and impediments to integrated fires from october 2003 through april 2004 the task force met monthly to gather information this kokoda paper investigates the main issues that the australian defence force should be considering as it develops its joint fires capability for 2020 this paper recommends developing future joint fires as a system leveraging an advanced synthetic environment for training and exercising strengthening the communications network striving for information and decision superiority improving the adaptability and flexibility of command and control adopting a national effects based approach and becoming international leaders in joint fires education and training the navy is aggressively pursuing a capability for fleet units to combine intelligence information into one common picture to allow for rapid correlation of multiple pieces of intelligence this capability would contribute significantly to reducing the sensor to shooter timeline and significantly increase the likelihood of correctly classifying and striking a contact of interest this capability comes in the form of a program called joint fires network jfn and the concept was forged through several fleet battle experiments fbes as well as lessons learned from the persian gulf war the objective of this thesis is to examine jfn within the department of defense s isr architecture of the future it will look at what is envisioned for the future of dod s isr systems and how well jfn will function as both a customer and provider of isr information within a joint force architecture this thesis uses the isr integrated capstone strategic plan isr icsp developed by the assistant secretary of defense for command control communications and intelligence c3i as the foundation for what dod s isr architecture of the future will look like this thesis looks at the operational and system level architectures spelled out in this document and examines the navy s stated requirements and existing programs which comprise jfn this thesis also looks at the isr systems which each service is planning for the future and how well jfn will share isr information with these systems this book presents the results of an experiment assessing the impact of spruce wood joints on the creation and development of fire when these joints are applied within a façade the book includes an extensive analysis of wooden cladding which is a flammable material in which the elements are connected lengthwise using various types of joint the parameters of the experiment as well as the setting material criteria and evaluation criteria are described in detail the results confirm that the joint type used has an impact on the selected evaluation criteria and thus also on the potential spread of fire there is a growing movement throughout the department of

defense dod towards the implementation of network centric warfare new in an effort to transition to ncw the navy has fielded many different technologies one system exploiting new technologies in the intelligence surveillance and reconnaissance isr domain is the joint fires network tactical exploitation system navy jfn tes n which was developed from the army tactical exploitation system tes a this system was developed rapidly and uniquely for fleet deployment in accordance with the interim acquisition guidance signed by the honorable paul wolfowitz this guidance authorized evolutionary acquisition following a spiral development process in lieu of the traditional cold war process described in the dod 5000 series publications assuming that jfn tes n will be viewed as a successful acquisition several navy personnel have stated that it may become the model for future c4i and other system acquisitions this thesis seeks to help develop that model the objectives of this thesis are 1 to examine whether the tes n acquisition process is an appropriate model of evolutionary acquisition following a spiral development 2 to identify and make recommendations for changes or improvements to the tes n acquisition program so it can be used as a more appropriate model for evolutionary acquisition following a spiral development this thesis concludes that evolutionary acquisition following a spiral development shown with the jfn tes n system is an acquisition policy that is appropriate for programs of the same size and scope but larger more complex programs will not have as much success yet in order for the jfn tes n program and future programs using evolutionary acquisition following a spiral development to succeed changes have to be made in policies such as budgetary submissions test and evaluation policy process and training joint fire support joint publication 3 09 10 april 2019 this publication provides fundamental principles and guidance for planning executing and assessing joint fire support this publication has been prepared under the direction of the chairman of the joint chiefs of staff cjcs it sets forth joint doctrine to govern the activities and performance of the armed forces of the united states in joint operations and it provides considerations for military interaction with governmental and nongovernmental agencies multinational forces and other interorganizational partners 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 usgovpub com set in the fictitious world of westeros the hit television series game of thrones chronicles the bitter and violent struggle between the realm s noble dynasties for control of the seven kingdoms but this beloved fantasy drama has just as much to say about the successful strategies and real life

warfare waged in our own time and place winning westeros brings together more than thirty of today's top military and strategic experts including generals and admirals policy advisors counterinsurgency tacticians science fiction and fantasy writers and ground level military officers to explain the strategy and art of war by way of the game of thrones saga each chapter of winning westeros provides a relatable outside the box way to simplify and clarify the complexities of modern military conflict a chapter on the doomed butcher's boy whom arya stark befriends by world war z author max brooks poignantly reminds us of the cruel fate that civilians face during times of war another chapter on jaqen h'ghar and the faceless men of bravos explores the pivotal roles that stealth and intelligence play in battle whether considering the diplomatic prowess of tyrrion lannister the defiant leadership style of daenerys targaryen the battle of the bastards and the importance of reserves brienne of tarth and the increased role of women in combat or dragons as weapons of mass destruction winning westeros gives fans of game of thrones and aspiring military minds alike an inspiring and entertaining means of understanding the many facets of modern warfare it is a book as captivating and enthralling as game of thrones itself the great war confronted australia's fledgling field and garrison artillery forces with a seemingly insurmountable challenge to rapidly raise prepare deploy and engage in history's most lethal war to date by 1915 the Australian artillery entered into a bloody contest of learning and adaptation against resourceful and resolute opponents where the stakes would be measured in thousands of soldiers lives far from popularly held views of the great war as one of stalemate and stagnation clash of the gods of war Australian artillery and the firepower lessons of the great war reveals a dynamic and rapidly evolving battle scape as artillery planners on each side sought to combine innovative concepts technology and tactics into victory the book draws on an unparalleled array of perspectives on artillery and firepower presented by Australian and international experts and practitioners over four years during the firepower lessons from the great war seminar series commemorating the centenary of Anzac from Anzac Cove to the Hindenburg Line Clash of the Gods of War tells a gripping Australian story of the great war through the lens of artillery the most lethal and influential arm of the war and considers the legacy that its evolutionary journey holds for warfare today the protection of cultural property during times of armed conflict and social unrest has been an on going challenge for military forces throughout the world even after the ratification and implementation of the 1954 Hague Convention and its two protocols by participating nations this volume provides a series of case studies and lessons learned to assess the current status of cultural property protection CPP and the military and use that information to rethink the way forward the contributors are all recognized experts in the field of military CPP or cultural heritage and conflict and all are actively engaged in developing national and international solutions for the protection and conservation of these non renewable resources and the intangible cultural values that they represent soils are fundamental to a healthy and functioning ecosystem therefore forest land managers can greatly benefit from a more thorough understanding of the ecological impacts of fire and fuel management activities on the vital services soils provide we present a summary of new research on fire effects and soils made possible through the joint fire

science program and highlight management implications where applicable some responses were consistent across sites whereas others were unique and may not easily be extrapolated to other sites selected findings include 1 postfire soil water repellency is most likely to occur in areas of high burn severity and is closely related to surface vegetation 2 although wildfire has the potential to decrease the amount of carbon stored in soils major changes in land use such as conversion from forest to grasslands present a much greater threat to carbon storage 3 prescribed fires which tend to burn less severely than wildfires and oftentimes have minor effects on soils may nonetheless decrease species richness of certain types of fungi and 4 early season prescribed burns tend to have less impact than late season burns on soil organisms soil carbon and other soil properties this research product provides a detailed description of fire support as accomplished by a corps it is one in a series that describes the tasks performers and outcomes for the combat function of coordinate synchronize and integrate fire support assessment criteria are provided for reports in this series except for the one at brigade level reports focus on fire support at the echelons of brigade division and corps and to related functions at corps as a joint task force this series of research products provides resource documents for military and civilian trainers to assist in the design and evaluation of single service and joint training doctrinal writers may use these descriptions as a basis for modifying current doctrine or for the formulation of future doctrine dtic since september 11 2001 the united states has used unmanned systems extensively around the world these were primarily unmanned aircraft systems but in the same years the technologies for ground and maritime both surface and sub surface systems also matured significantly in the coming years unmanned systems with tremendous capabilities will be readily available in all of these areas technological advances in unmanned systems have expanded existing military capabilities despite the adoption of these technologies for military applications policy guidance for u s national decisionmakers has lagged the introduction of new capabilities this thesis examines the current national level policy guidance that exists for military unmanned systems capable of implementing joint fires missions both kinetic and non kinetic and identifies policy gaps based on the planned capabilities of unmanned systems this thesis asserts that u s policies to constrain autonomy have been developed however there are limits to the guidance provided for responses to aggression against u s unmanned systems or the use of adversary unmanned systems it further asserts that policies should be publicly declared to signal u s intent and that this guidance should include ground and maritime unmanned systems not just airborne as they are just as likely to affect u s international affairs chapter 1 introduction identifying the problem recent history significance of the problem research questions assumptions definition of terms scope limitations delimitations conclusion chapter 2 literature review significant literature for understanding issues related to unmanned systems media commentary on existing policies for unmanned systems research institutes and academic publications on unmanned systems policies common themes in existing literature significance of thesis in relation to existing literature chapter 3 research methodology phase 1 identification of capabilities that could require policy guidance phase 2 review of existing publicly declared unmanned systems policies phase 3 comparison of policy requirements to historical analogies the

three phase research methodology addresses the research questions further considerations chapter 4 analysis phase 1 1 dod research priorities as indicators of near future capabilities phase 1 2 addressing new or greatly expanded capabilities of unmanned systems phase 2 1 analysis of existing policies on the use of military unmanned systems phase 2 2 aspects of new capabilities not addressed by policies phase 3 historical analogies that can provide insight on unmanned systems issues results of research methodology chapter 5 conclusions and recommendations revisiting the research questions conclusions recommendations areas of further research 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 army techniques publication atp 3 91 1 afttp 3 2 86 the joint air ground integration center april 2019 this manual army techniques publication atp 3 91 1 air force tactics techniques and procedures afttp 3 2 86 the joint air ground integration center provides division commanders staff officers air support operations center division tactical control party and airspace element personnel with tactics and techniques to enhance the synchronization of joint fires and air operations in airspace delegated to the ground commander s control using the theater air ground system and the operations process this publication addresses roles and responsibilities by echelon of army and air force elements in the execution of joint fires and airspace control the principal audience for atp 3 91 1 afttp 3 2 86 is commanders leaders staffs airspace elements air traffic controllers air support operations centers asoc and airspace users throughout the army air ground system aags and air force theater air control system tacs with responsibilities for joint fires and airspace control from tactical to operational levels trainers and educators throughout the army and air force will also use this publication atp 3 91 1 afttp 3 2 86 recognizes and implements the standardization agreement entitled allied joint publication ajp 3 3 5 allied joint doctrine for airspace control edition b version 1 may 2013 atp 3 91 1 afttp 3 2 86 uses joint terms where applicable selected joint army and air force terms and definitions appear in both the glossary and the text for definitions shown in the text the term is italicized and the number of the proponent publication follows the definition atp 3 91 1 afttp 3 2 86 is a multi service army and air force publication unless otherwise stated this publication applies to the active army the active air force the army national guard air national guard of the united states and the reserve forces of both services fleet battle experiment k fbe k will be conducted in the spring of 2003 the 11th experiment in the fbe series it will be conducted in conjunction with the uspacom tier 1 level exercise tandem thrust o3 tto3 tto3 is comprised of two events a command post exercise cpx and a field training exercise ftx fbe k will participate in both events as part of fbe k many of the experiment s initiatives will focus on the command and control c2 processes centered at the joint force level a primary goal is to apply the concepts of network centric warfare ncw to the processes used to support a joint task force jtf staff and a joint forces air component commander jfacc while they are embarked aboard a joint fires network jfn equipped command platform uss blue ridge lcc 19 fbe k will concentrate on the allocation reallocation of both weapons and sensors target assignment and fire mission deconfliction in support of the jfacc execution of time sensitive targeting tst operations at the joint force and

component level fbe k will use a common set of automated tools and common system architecture aboard the uss blue ridge that enables effective
tst c2 and joint task force coordination this flexible joint fires initiative c2 architecture is designed to increase the speed and tempo at which the jtf
as a whole can conduct tst operations fleet battle experiment kilo was conducted during seventh fleet exercise tandem thrust 03 during the field
training exercise phase testing of time sensitive targets processes using the joint fires network was carried out this report contains results obtained
on contributions made by the joint fires network to navy time sensitive targeting and experiment lessons learned

Joint Fires and Targeting Handbook

2012-10-16

the joint fires and targeting handbook provides established and evolving tactics techniques and procedures used by personnel involved in day to day joint fires and targeting processes this handbook serves as a bridge between current operational level doctrine and tactical level employment at the joint force level it is intended to inform doctrine writers educators and trainers about the joint targeting process it supplements not replaces existing joint or service doctrine the handbook is designed for use by personnel assigned to or participating in a joint targeting effort it also presents well developed definitions that have been harmonized with joint doctrine and discusses those best practices that have proven of value during on going military operations exercises and experimentation the handbook is meant to educate the joint community about the joint fires and targeting processes and to offer some useful techniques and procedures that can be used in the combatant commands and subordinate units by commanders and their staffs

Joint Publication JP 3-09 Joint Fire Support April 2019

2019-05-05

this manual joint publication jp 3 09 joint fire support april 2019 provides an overview of joint fire support scheme of fires and the relationship between joint fire support and joint targeting it describes joint force command structure and function component fires command and control organizations and support relationships employed to conduct joint fires presents the joint fire support planning process both pre execution operations planning and during execution joint targeting cycle discusses considerations and factors involved during joint fire support execution presents the process to assess joint fire support

Joint Fires and Targeting Handbook

2014-07-14

the fires function and targeting process continues to mature at an accelerated pace as joint coalition and supporting forces remain engaged in on going high tempo operations these continuing operations reinforce the need for knowledgeable and efficient planners targeteers and weaponeers emerging technologies and joint warfighter experiences combine to turn lessons learned into improved and new joint fires and targeting planning execution and assessment best practices many of these innovative procedures are recognized by the joint community but they are not yet approved joint doctrine this handbook was developed to ensure commonly accepted best practices for planning executing and assessing joint fires and targeting are documented while this handbook does contain extracts from many doctrinal publications it is not approved joint doctrine but serves as an important pre doctrinal product that will aid its refinement united states joint forces command developed this handbook for combatant commanders subordinate joint force commanders joint force staff members and first tactical echelon personnel

Joint Fire Support

2013-03-07

this publication provides fundamental principles and guidance for planning coordinating and executing joint fire support across the range of military operations this publication has been prepared under the direction of the chairman of the joint chiefs of staff it sets forth joint doctrine to govern the activities and performance of the armed forces of the united states in joint operations and provides the doctrinal basis for interagency coordination and for us military involvement in multinational operations it provides military guidance for the exercise of authority by combatant commanders and other joint force commanders jfcs and prescribes joint doctrine for operations education and training it provides military guidance for use by the armed forces in preparing their appropriate plans it is not the intent of this publication to restrict the authority of the jfc from organizing the force and executing the mission in a manner the jfc deems most appropriate to ensure unity of effort in the accomplishment of the overall objective joint fires are defined as fires delivered during the employment of forces from two or more components in coordinated action to produce desired effects in support of a common objective joint fire support is defined as joint fires that assist air land maritime and sof to move maneuver and control territory populations airspace and key waters in support of the joint force commander s jfc s scheme of maneuver the concept of operations conops describes how actions of the joint force components and supporting organizations will be integrated synchronized and phased to accomplish the mission including potential branches and sequels all fires should support the jfc s objectives some fires will support maneuver forces and other fires are independent of maneuver and orient on creating specific effects

Enhancing Fires and Maneuver Capability Through Greater Air-ground Joint Interdependence

2009

although airpower capabilities have improved dramatically in the past decade the joint warfighting potential offered by these capabilities is not being fully realized service transformation efforts and lessons learned during combat operations in afghanistan and iraq highlight doctrinal and technical issues with air and ground integration the authors propose several alternative options for improving the effectiveness of air and ground fires and maneuver to compare the potential effectiveness of the options they develop a methodology that models the essential counterland air ground interactions under discussion based on a scenario that focuses on the disruption of enemy ground force maneuver they suggest a new joint warfighting concept that has design elements specifically put in place to enhance the prioritization and synchronization of joint fires and maneuver this concept offers important benefits and significant added flexibility for employing joint forces to achieve the commander s objectives across the entire theater

Analysis of the Function to Coordinate, Synchronize, and Integrate Fire Support as Accomplished by an Army Corps Acting as a Joint Task Force

1997

this research product provides a detailed description of joint fires as accomplished by an army corps acting as a joint task force it is one in a series that describes the tasks performers and outcomes for the combat function of coordinate synchronize and integrate fire support assessment criteria are provided for reports in this series except for the one at brigade level reports focus on fire support at the echelons of brigade division and corps and to related functions at corps as a joint task force this series of research products provides resource documents for military and civilian trainers to assist in the design and evaluation of single service and joint training doctrinal writers may use these descriptions as a basis for modifying current doctrine or for the formulation of future doctrine dtic

Fires (ADP 3-19)

2019-10-09

ADP 3-19 Fires July 2019 defines and describes the fires warfighting function in terms of its major tasks, capabilities, functions, and processes and describes the integration of capabilities and their associated effects through the targeting and operations processes. The successful employment of fires depends on the integration and synchronization of all elements of fires across domains and in concert with the other warfighting functions. This manual forms the foundation for training and Army education curricula on fires. The scope of this publication is broad in order to cover fires as a complete entity; it gives equal treatment to the diverse assets that contribute to the fires warfighting function. The term fires in this document includes lethal and nonlethal effects as delivered by Army, joint, and multinational capabilities to create effects in multi-domain operations. Army leaders must consider the fires warfighting function in an inclusive manner, integrating assets and effects.

Report of the Defense Science Board Task Force on Integrated Fire Support in the Battlespace

2004

In 2001, the Under Secretary of Defense for Acquisition, Technology, and Logistics (USDATL) directed the Defense Science Board (DSB) to study the precision targeting of air-delivered munitions. The results of the 2001 task force were well received within the Office of the Secretary of Defense (OSD) and in June 2003, USDATL directed the DSB to study the closely related topic of integrated fire support in the battlespace. In this new study, the 2003 task force applied an approach and methodology similar to the 2001 effort but focused instead on ground-based fires, sea-based fires, and close air support as directed. In its terms of reference, the 2003 task force assessed the following: the adequacy of current and proposed munitions; the timeliness and accuracy of ISR systems; the adequacy of battlefield C₃ systems; and impediments to integrated fires. From October 2003 through April 2004, the task force met monthly to gather information.

Report of the Joint Fire/Police Task force on; Civil Unrest

2007

this kokoda paper investigates the main issues that the Australian defence force should be considering as it develops its joint fires capability for 2020 this paper recommends developing future joint fires as a system leveraging an advanced synthetic environment for training and exercising strengthening the communications network striving for information and decision superiority improving the adaptability and flexibility of command and control adopting a national effects based approach and becoming international leaders in joint fires education and training

Firepower to Win

1998

the navy is aggressively pursuing a capability for fleet units to combine intelligence information into one common picture to allow for rapid correlation of multiple pieces of intelligence this capability would contribute significantly to reducing the sensor to shooter timeline and significantly increase the likelihood of correctly classifying and striking a contact of interest this capability comes in the form of a program called joint fires network jfn and the concept was forged through several fleet battle experiments fbes as well as lessons learned from the Persian Gulf War the objective of this thesis is to examine jfn within the Department of Defense's ISR architecture of the future it will look at what is envisioned for the future of DoD's ISR systems and how well jfn will function as both a customer and provider of ISR information within a joint force architecture this thesis uses the ISR Integrated Capstone Strategic Plan (ISR ICSP) developed by the Assistant Secretary of Defense for Command, Control, Communications and Intelligence (C3I) as the foundation for what DoD's ISR architecture of the future will look like this thesis looks at the operational and system level architectures spelled out in this document and examines the Navy's stated requirements and existing programs which comprise jfn this thesis also looks at the ISR systems which each service is planning for the future and how well jfn will share ISR information with these systems

Joint Force Quarterly

1997

this book presents the results of an experiment assessing the impact of spruce wood joints on the creation and development of fire when these joints are applied within a façade the book includes an extensive analysis of wooden cladding which is a flammable material in which the elements are connected lengthwise using various types of joint the parameters of the experiment as well as the setting material criteria and evaluation criteria are described in detail the results confirm that the joint type used has an impact on the selected evaluation criteria and thus also on the potential spread of fire

Research Product - U.S. Army Research Institute for the Behavioral and Social Sciences

2006-05

there is a growing movement throughout the department of defense dod towards the implementation of network centric warfare ncw in an effort to transition to ncw the navy has fielded many different technologies one system exploiting new technologies in the intelligence surveillance and reconnaissance isr domain is the joint fires network tactical exploitation system navy jfn tes n which was developed from the army tactical exploitation system tes a this system was developed rapidly and uniquely for fleet deployment in accordance with the interim acquisition guidance signed by the honorable paul wolfowitz this guidance authorized evolutionary acquisition following a spiral development process in lieu of the traditional cold war process described in the dod 5000 series publications assuming that jfn tes n will be viewed as a successful acquisition several navy personnel have stated that it may become the model for future c41 and other system acquisitions this thesis seeks to help develop that model the objectives of this thesis are 1 to examine whether the tes n acquisition process is an appropriate model of evolutionary acquisition following a spiral development 2 to identify and make recommendations for changes or improvements to the tes n acquisition program so it can be used as a more appropriate model for evolutionary acquisition following a spiral development this thesis concludes that evolutionary acquisition following a spiral development shown with the jfn tes n system is an acquisition policy that is appropriate for programs of the same size and scope but larger more complex programs will not have as much success yet in order for the jfn tes n program and future programs using evolutionary acquisition following a spiral development to succeed changes have to be made in policies such as budgetary submissions test and

evaluation policy process and training

Field Artillery

2005

joint fire support joint publication 3 09 10 april 2019 this publication provides fundamental principles and guidance for planning executing and assessing joint fire support this publication has been prepared under the direction of the chairman of the joint chiefs of staff cjcs it sets forth joint doctrine to govern the activities and performance of the armed forces of the united states in joint operations and it provides considerations for military interaction with governmental and nongovernmental agencies multinational forces and other interorganizational partners 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 usgovpub com

Special Warfare

1964

set in the fictitious world of westeros the hit television series game of thrones chronicles the bitter and violent struggle between the realm s noble dynasties for control of the seven kingdoms but this beloved fantasy drama has just as much to say about the successful strategies and real life warfare waged in our own time and place winning westeros brings together more than thirty of today s top military and strategic experts including generals and admirals policy advisors counterinsurgency tacticians science fiction and fantasy writers and ground level military officers

to explain the strategy and art of war by way of the game of thrones saga each chapter of winning westeros provides a relatable outside the box way to simplify and clarify the complexities of modern military conflict a chapter on the doomed butcher s boy whom arya stark befriends by world war z author max brooks poignantly reminds us of the cruel fate that civilians face during times of war another chapter on jaqen h ghar and the faceless men of bravos explores the pivotal roles that stealth and intelligence play in battle whether considering the diplomatic prowess of tyrion lannister the defiant leadership style of daenerys targaryen the battle of the bastards and the importance of reserves brianne of tarth and the increased role of women in combat or dragons as weapons of mass destruction winning westeros gives fans of game of thrones and aspiring military minds alike an inspiring and entertaining means of understanding the many facets of modern warfare it is a book as captivating and enthralling as game of thrones itself

Fire Research Technical Paper

2003-06-01

the great war confronted australia s fledgling field and garrison artillery forces with a seemingly insurmountable challenge to rapidly raise prepare deploy and engage in history s most lethal war to date by 1915 the australian artillery entered into a bloody contest of learning and adaptation against resourceful and resolute opponents where the stakes would be measured in thousands of soldiers lives far from popularly held views of the great war as one of stalemate and stagnation clash of the gods of war australian artillery and the firepower lessons of the great war reveals a dynamic and rapidly evolving battle scape as artillery planners on each side sought to combine innovative concepts technology and tactics into victory the book draws on an unparalleled array of perspectives on artillery and firepower presented by australian and international experts and practitioners over four years during the firepower lessons from the great war seminar series commemorating the centenary of anzac from anzac cove to the hindenburg line clash of the gods of war tells a gripping australian story of the great war through the lens of artillery the most lethal and influential arm of the war and considers the legacy that its evolutionary journey holds for warfare today

Joint Fires Network ISR Interoperability Requirements Within a Joint Force Architecture

2020-07-17

the protection of cultural property during times of armed conflict and social unrest has been an on going challenge for military forces throughout the world even after the ratification and implementation of the 1954 hague convention and its two protocols by participating nations this volume provides a series of case studies and lessons learned to assess the current status of cultural property protection cpp and the military and use that information to rethink the way forward the contributors are all recognized experts in the field of military cpp or cultural heritage and conflict and all are actively engaged in developing national and international solutions for the protection and conservation of these non renewable resources and the intangible cultural values that they represent

Wooden Façades and Fire Safety

2003-06-01

soils are fundamental to a healthy and functioning ecosystem therefore forest land managers can greatly benefit from a more thorough understanding of the ecological impacts of fire and fuel management activities on the vital services soils provide we present a summary of new research on fire effects and soils made possible through the joint fire science program and highlight management implications where applicable some responses were consistent across sites whereas others were unique and may not easily be extrapolated to other sites selected findings include 1 postfire soil water repellency is most likely to occur in areas of high burn severity and is closely related to surface vegetation 2 although wildfire has the potential to decrease the amount of carbon stored in soils major changes in land use such as conversion from forest to grasslands present a much greater threat to carbon storage 3 prescribed fires which tend to burn less severely than wildfires and oftentimes have minor effects on soils may nonetheless decrease species richness of certain types of fungi and 4 early season prescribed burns tend to have less impact than late season burns on soil organisms soil carbon and other soil properties

An Analysis of the Acquisition Process of the Joint Fires Network/ Tactical Exploitation System - Navy

2019-07-20

this research product provides a detailed description of fire support as accomplished by a corps it is one in a series that describes the tasks

performers and outcomes for the combat function of coordinate synchronize and integrate fire support assessment criteria are provided for reports in this series except for the one at brigade level reports focus on fire support at the echelons of brigade division and corps and to related functions at corps as a joint task force this series of research products provides resource documents for military and civilian trainers to assist in the design and evaluation of single service and joint training doctrinal writers may use these descriptions as a basis for modifying current doctrine or for the formulation of future doctrine dtic

Joint Fire Support

2019-09

since september 11 2001 the united states has used unmanned systems extensively around the world these were primarily unmanned aircraft systems but in the same years the technologies for ground and maritime both surface and sub surface systems also matured significantly in the coming years unmanned systems with tremendous capabilities will be readily available in all of these areas technological advances in unmanned systems have expanded existing military capabilities despite the adoption of these technologies for military applications policy guidance for u s national decisionmakers has lagged the introduction of new capabilities this thesis examines the current national level policy guidance that exists for military unmanned systems capable of implementing joint fires missions both kinetic and non kinetic and identifies policy gaps based on the planned capabilities of unmanned systems this thesis asserts that u s policies to constrain autonomy have been developed however there are limits to the guidance provided for responses to aggression against u s unmanned systems or the use of adversary unmanned systems it further asserts that policies should be publicly declared to signal u s intent and that this guidance should include ground and maritime unmanned systems not just airborne as they are just as likely to affect u s international affairs chapter 1 introduction identifying the problem recent history significance of the problem research questions assumptions definition of terms scope limitations delimitations conclusion chapter 2 literature review significant literature for understanding issues related to unmanned systems media commentary on existing policies for unmanned systems research institutes and academic publications on unmanned systems policies common themes in existing literature significance of thesis in relation to existing literature chapter 3 research methodology phase 1 identification of capabilities that could require policy guidance phase 2 review of existing publicly declared unmanned systems policies phase 3 comparison of policy requirements to historical analogies the three phase research methodology addresses the research questions further considerations chapter 4 analysis phase 1 1 dod research priorities as indicators of near future capabilities phase 1 2 addressing new or greatly expanded capabilities of unmanned systems phase 2 1 analysis of existing policies on the use of

military unmanned systems phase 2 2 aspects of new capabilities not addressed by policies phase 3 historical analogies that can provide insight on unmanned systems issues results of research methodology chapter 5 conclusions and recommendations revisiting the research questions conclusions recommendations areas of further research

Winning Westeros

2005-07

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

Air Force Magazine

2004

army techniques publication atp 3 91 1 aftp 3 2 86 the joint air ground integration center april 2019this manual army techniques publication atp 3 91 1 air force tactics techniques and procedures aftp 3 2 86 the joint air ground integration center provides division commanders staff officers air support operations center division tactical control party and airspace element personnel with tactics and techniques to enhance the synchronization of joint fires and air operations in airspace delegated to the ground commander s control using the theater air ground system and the operations process this publication addresses roles and responsibilities by echelon of army and air force elements in the execution of joint fires and airspace control the principal audience for atp 3 91 1 aftp 3 2 86 is commanders leaders staffs airspace elements air traffic controllers air support operations centers asoc and airspace users throughout the army air ground system aags and air force theater air control system tacs with responsibilities for joint fires and airspace control from tactical to operational levels trainers and educators throughout the army and air force will also use this publication atp 3 91 1 aftp 3 2 86 recognizes and implements the standardization agreement entitled allied joint publication ajp 3 3 5 allied joint doctrine for airspace control edition b version 1 may 2013 atp 3 91 1 aftp 3 2 86 uses joint terms where applicable selected joint army and air force terms and definitions appear in both the glossary and the text for definitions shown in the text the term is italicized and the number of the proponent publication follows the definition atp 3 91 1 aftp 3 2 86 is a multi service army and air force publication unless otherwise stated this

publication applies to the active army the active air force the army national guard air national guard of the united states and the reserve forces of both services

Infantry

2020-03-01

fleet battle experiment k fbe k will be conducted in the spring of 2003 the 11th experiment in the fbe series it will be conducted in conjunction with the uspacom tier 1 level exercise tandem thrust 03 tto3 tto3 is comprised of two events a command post exercise cpx and a field training exercise ftx fbe k will participate in both events as part of fbe k many of the experiment's initiatives will focus on the command and control c2 processes centered at the joint force level a primary goal is to apply the concepts of network centric warfare ncw to the processes used to support a joint task force jtf staff and a joint forces air component commander jfacc while they are embarked aboard a joint fires network jfn equipped command platform uss blue ridge lcc 19 fbe k will concentrate on the allocation reallocation of both weapons and sensors target assignment and fire mission deconfliction in support of the jfacc execution of time sensitive targeting tst operations at the joint force and component level fbe k will use a common set of automated tools and common system architecture aboard the uss blue ridge that enables effective tst c2 and joint task force coordination this flexible joint fires initiative c2 architecture is designed to increase the speed and tempo at which the jtf as a whole can conduct tst operations

Clash of the Gods of War

2005

fleet battle experiment kilo was conducted during seventh fleet exercise tandem thrust 03 during the field training exercise phase testing of time sensitive targets processes using the joint fires network was carried out this report contains results obtained on contributions made by the joint fires network to navy time sensitive targeting and experiment lessons learned

Armor

2013-05-15

Cultural Heritage in the Crosshairs

2005

Army Transformation

2007

FM 3-0 Operations (October 2017) / special u.s army books/

2008

Nominations Before the Senate Armed Services Committee, First Session, 109th Congress

1997

Soils Under Fire

2017-03-18

Analysis of the Function to Coordinate, Synchronize, and Integrate Fire Support as Accomplished by a Corps

2004

National Policies for Military Unmanned Systems That Implement Joint Fires Missions - Aircraft Systems, Armed Drones, Research Priorities, Historical Analogies, Strategic Options for Counterterrorism

2020-01-15

Professional Journal of the United States Army

1982

Army Fires Capabilities for 2025 and Beyond

2000

Fire Research and Safety

2019-06-16

Proceedings from the Joint Fire Science Conference and Workshop

1985

Army Techniques Publication ATP 3-91.1 AFTTP 3-2.86 The Joint Air Ground Integration Center April 2019

2003-05-01

Report of the Joint Committee on Standards of Fire Cover

2003-08-01

Seventh Fleet Command Post Exercise Fleet Battle Experiment Kilo Fires Initiative Final Report

1994

Seventh Fleet Field Training Exercise Fleet Battle Experiment Kilo Fires Initiatives Final
Report

Report of the Joint Fire/Police Task Force on Civil Unrest

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