

U.S. Air Force Bomber Sustainment and Modernization: Background and Issues for Congress

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Us Air Force Bomber Sustainment And Modernization Background And Issues For Congress

**United States. Congress. Senate.
Committee on Armed Services**



Us Air Force Bomber Sustainment And Modernization Background And Issues For Congress:

U.S. Air Force Bomber Sustainment and Modernization Jeremiah Gertler, 2014-10-31 The United States existing long range bomber fleet of B 52s B 1s and B 2s are at a critical point in their operational life span With the average age of each airframe being 50 28 and 20 years old respectively military analysts are beginning to question just how long these aircraft can physically last and continue to be credible weapon systems As potential adversaries acquire 21st century defense systems designed to prevent U S access to the global commons sea air space and cyberspace and to limit U S forces freedom of action within an operational area the ability of these Cold War era bombers to get close enough to targets to be effective will continue to deteriorate Although the Air Force is committed to the development and acquisition of its proposed Long Range Strike Bomber LRS B it is anticipated that flight testing of the new bomber will not start until the mid 2020s with initial operational capability near 2030 With this timeline in mind the Air Force has extended the operational lives of the B 52 and B 1 out to 2040 and the B 2 out to 2058 Air Force and aerospace industry experts insist that with sufficient funding for sustainment and modernization over their expected lifespans all three of the existing bombers can physically last and continue to remain credible weapon systems However appropriations decisions made by Congress based on required military capabilities to meet national security objectives will ultimately determine how long the B 52 B 1 and B 2 will remain in service

U.S. Air Force Bomber Sustainment and Modernization Michael A. Miller, 2013 This report addresses potential congressional oversight and appropriations concerns for the sustainment and modernization of the U S Air Force s bomber force

The New Nuclear Disorder Stephen J. Cimbala, 2016-02-17 In the twenty first century the United States confronts an international system of great complexity and shifting security challenges Among these challenges are those posed by nuclear weapons Instead of becoming obsolete or being marginalized by the end of the Cold War and the demise of the Soviet Union nuclear weapons have become more important to present and future international stability and peace but the relationship is paradoxical On one hand the spread of nuclear weapons to additional states with unsettled grievances or hegemonic ambitions threatens to destabilize local balances of power and set off regional arms races In addition the possible acquisition by terrorists of nuclear weapons or fissile materials creates a threat that may be beyond deterrence according to hitherto accepted concepts On the other hand nuclear weapons in the hands of other states can contribute to stable deterrence and help to prevent nuclear proliferation to international miscreants Certain cases loom large in the short run that highlight this book s relevance including the possible acquisition and deployment of nuclear weapons by Iran and the continuing tensions created by North Korea s nuclear arsenal The Obama pivot of national security and defense emphasis to Asia reflects not only the growing economic importance of that region but also the growing number of security dilemmas in a region that is already awash in nuclear forces The management of nuclear crises and even the possible need to terminate nuclear wars before they expand beyond a single region are among the possible challenges facing future U S and allied policy

makers and military leaders Hybrid Warfare and the Gray Zone Threat Douglas C. Lovelace, 2016 Terrorism Commentary on Security Documents is a series that provides primary source documents and expert commentary on various topics relating to the worldwide effort to combat terrorism as well as efforts by the United States and other nations to protect their national security interests Volume 141 Hybrid Warfare and the Gray Zone Threat considers the mutation of the international security environment brought on by decades of unrivaled U S conventional military power The term hybrid warfare encompasses conventional warfare irregular warfare cyberwarfare insurgency criminality economic blackmail ethnic warfare lawfare and the application of low cost but effective technologies to thwart high cost technologically advanced forces This volume is divided into five sections covering different aspects of this topic each of which is introduced by expert commentary written by series editor Douglas C Lovelace Jr This volume contains thirteen useful documents exploring various facets of the shifting international security environment including a detailed report on hybrid warfare issued by the Joint Special Operations University and a White Paper on special operations forces support to political warfare prepared by the U S Army Special Operations Command as well as a GAO report and a CRS report covering similar topics Specific coverage is also given to topics such as cybersecurity and cyberwarfare the efficacy of sanctions in avoiding and deterring hybrid warfare threats and the intersection of the military and domestic U S law enforcement *Foreign Policy: Thinking Outside the Box* Amitai Etzioni, 2016-07-01 This collection of essays by renowned scholar Amitai Etzioni aims to provoke reconsiderations of basic assumptions of foreign policy by students academics and practitioners With chapters focusing on the Middle East China and the EU as well as articles with a more global focus the book offers thought provoking and insightful perspectives on international foreign policy which challenge existing academic debate in the field It will be of great interest to students scholars and practitioners of foreign policy and international relations Defending the Arsenal Adam B. Lowther, Stephen J. Cimbala, 2016-09-19 One important area of interest within military and policy circles focuses on an effort to revitalize the nuclear triad amidst a number of competing strategic interests The difficulties arising from US engagement in Iraq and Afghanistan are leading many scholars and policy makers to question whether a reinvigorated nuclear triad has any role in deterring modern adversaries This volume takes an unashamed pro nuclear modernization position and argues for designing and fielding new nuclear warheads and delivery systems submarine ICBM and bomber while also arguing against signing the Comprehensive Test Ban Treaty or agreeing to further reductions in the nuclear arsenal It also argues that nuclear deterrence remains as relevant today perhaps more than it was during the Cold War With so many authors advocating for Global Zero and highlighting perceived dangers from a nuclear arsenal this work stands in stark contrast to the chorus of anti arsenal works Because of the work s structure and effort to answer questions of current relevance it should appeal to a broad audience including service staffs PME students COCOM staffs Pentagon personnel Capitol Hill staffers policy makers academics graduate students and interested readers TERRORISM: COMMENTARY ON SECURITY DOCUMENTS

VOLUME 141 Douglas Lovelace Jr.,2016-02-24 Terrorism Commentary on Security Documents is a series that provides primary source documents and expert commentary on various topics relating to the worldwide effort to combat terrorism as well as efforts by the United States and other nations to protect their national security interests Volume 141 Hybrid Warfare and the Gray Zone Threat considers the mutation of the international security environment brought on by decades of unrivaled U S conventional military power The term hybrid warfare encompasses conventional warfare irregular warfare cyberwarfare insurgency criminality economic blackmail ethnic warfare lawfare and the application of low cost but effective technologies to thwart high cost technologically advanced forces This volume is divided into five sections covering different aspects of this topic each of which is introduced by expert commentary written by series editor Douglas C Lovelace Jr This volume contains thirteen useful documents exploring various facets of the shifting international security environment including a detailed report on hybrid warfare issued by the Joint Special Operations University and a White Paper on special operations forces support to political warfare prepared by the U S Army Special Operations Command as well as a GAO report and a CRS report covering similar topics Specific coverage is also given to topics such as cybersecurity and cyberwarfare the efficacy of sanctions in avoiding and deterring hybrid warfare threats and the intersection of the military and domestic U S law enforcement

Nuclear Deterrence in a Multipolar World Stephen Cimbala,2017-07-05 The view that America and Russia have burned their candles on security cooperation with respect to nuclear weapons is simply mistaken This timely study identifies twelve themes or issue areas that must be addressed by the United States and Russia if they are to provide shared successful leadership in the management of nuclear world order Designed as supplementary reading in upper division and graduate courses in national security policy defense and nuclear arms control it is also suitable for courses taught at military staff and command colleges and or war colleges

Nuclear Weapons and International Law Charles J. Moxley,2024-05-15 This book analyzes the facts and law as to nuclear weapons and the policy of deterrence It demonstrates that such weapons cannot lawfully be used and that the policy of deterrence is risky and unlawful It urges that the U S take the lead in delegitimizing these weapons and seeking abolition

Fire on the Water Robert Haddick,2014-09-15 The main theme of Fire on the Water is that conventional measures of military balance employed by both the general public and many policy experts underestimate the threat that China s military modernization poses to the U S position in the Asia Pacific region Within a decade China s leaders will have the military power to hold at risk U S interest in East Asia The U S needs to fashion a new and competitive strategy one that better matches the strengths of the U S and its allies against China s vulnerabilities in order to maintain a balance of power in the region and convince China s leaders to pursue a cooperative course It is not obvious to many observers why a conflict in the region is plausible or why the U S should bear the responsibility for maintaining a forward military presence in the region China has rapidly emerged as a great power and by doing so has acquired many vital interests around the world Following the pattern set by other such episodes

in history China is also acquiring the military means to protect its new interests a development that puts at risk the interests of China's neighbors and the United States The U S forward military presence in the region is an increasingly difficult burden to sustain But in the long run this approach will be less costly and less risky than encouraging China's neighbors to balance China by themselves an alternative that will very likely result in an unstable arms race and a conflict that will damage America's interests While it will be in America's interest to maintain its position in the Asia Pacific region China's military modernization is making it much more difficult for the U S to do so China's military strategy centered on its rapidly expanding land based and anti ship missile forces is exploiting weaknesses in long standing U S force structure and doctrine Due to a variety of institutional barriers the U S has been slow to adapt to China's military modernization Current efforts to respond are impractical in that they expend U S resources against China's strengths rather than its vulnerabilities The U S needs a new and competitive strategy that will strengthen its alliances in the region and convince China's leaders that cooperation rather than military expansion and an attempt at regional hegemony will be China's best course Fire on the Water proposes reforms to U S diplomacy military programs and strategy that will offer a better chance at preserving stability The goal of these reforms is to thwart China's well designed military modernization plan bolster the confidence and credibility of U S alliances in the region and thus persuade China's leaders that China's best course is cooperation rather than conflict the outcome that has usually occurred in history when a new great power has rapidly emerged

Nonstate Warfare Stephen Biddle, 2022-07-26 How nonstate military strategies overturn traditional perspectives on warfare Since September 11th 2001 armed nonstate actors have received increased attention and discussion from scholars policymakers and the military Underlying debates about nonstate warfare and how it should be countered is one crucial assumption that state and nonstate actors fight very differently In Nonstate Warfare Stephen Biddle upturns this distinction arguing that there is actually nothing intrinsic separating state or nonstate military behavior Through an in depth look at nonstate military conduct Biddle shows that many nonstate armies now fight more conventionally than many state armies and that the internal politics of nonstate actors their institutional maturity and wartime stakes rather than their material weapons or equipment determines tactics and strategies Biddle frames nonstate and state methods along a continuum spanning Fabian style irregular warfare to Napoleonic style warfare involving massed armies and he presents a systematic theory to explain any given nonstate actor's position on this spectrum Showing that most warfare for at least a century has kept to the blended middle of the spectrum Biddle argues that material and tribal culture explanations for nonstate warfare methods do not adequately explain observed patterns of warmaking Investigating a range of historical examples from Lebanon and Iraq to Somalia Croatia and the Vietcong Biddle demonstrates that viewing state and nonstate warfighting as mutually exclusive can lead to errors in policy and scholarship A comprehensive account of combat methods and military rationale Nonstate Warfare offers a new understanding for wartime military behavior

Proceedings of the 78th National Convention of the

American Legion American Legion. Annual National Convention,1997 **US Aviation and Aerospace Industry Handbook Volume 2 Military Equipment and Developments** IBP, Inc,2013-08 2011 Updated Reprint Updated Annually
US Aviation and Aerospace Industry Handbook Volume 1 BASIC TRENDS AND REGULATIONS **Defence Planning and Uncertainty** Stephan Frühling,2014-04-24 How can countries decide what kind of military forces they need if threats are uncertain and history is full of strategic surprises This is a question that is more pertinent than ever as countries across the Asia Pacific are faced with the military and economic rise of China Uncertainty is inherent in defence planning but different types of uncertainty mean that countries need to approach decisions about military force structure in different ways This book examines four different basic frameworks for defence planning and demonstrates how states can make decisions coherently about the structure and posture of their defence forces despite strategic uncertainty It draws on case studies from the United States Australian and New Zealand each of which developed key concepts for their particular circumstances and risk perception in Asia Success as well as failure in developing coherent defence planning frameworks holds lessons for the United States and other countries as they consider how best to structure their military forces for the uncertain challenges of the future *Proceedings of ... National Convention of the American Legion* American Legion. National Convention,1995

U.S. nuclear policy in the 21st century a fresh look at national strategy and requirements: final report ,1998
Sweeping changes are occurring in the international system presenting the United States with both opportunities and challenges The East West strategic rivalry that dominated the global security environment for over forty years has been fundamentally and in a number of critical ways irreversibly altered Yet the world continues to be unpredictable and dangerous Relations with Russia and China have improved dramatically in the last ten years but remain uncertain Both states continue to emphasize and modernize their nuclear arsenals In other regions of vital interest to the United States potential adversaries increasingly have at their disposal advanced conventional and unconventional capabilities as well as weapons of mass destruction and the means for their delivery Together these and other factors such as the ongoing revolution in military technology have engendered major adjustments in U S national security policy and in the strategy and forces that support U S security interests A series of U S government analyses including the Nuclear Posture Review and the Quadrennial Defense Review has guided the restructuring of U S conventional forces and provided the basis for the late 1997 Presidential Decision Directive on nuclear weapons policy Further analyses and adjustments will certainly follow As a contribution to this dynamic process this report assesses the rationale and requirements for U S nuclear weapons and the infrastructure and people that are critical to their sustainment in the current and future security environment By so doing the report is intended to promote greater understanding of the issues and the measures that will be necessary to sustain deterrence in an uncertain future The American public and its leadership in both the Executive and Legislative branches must remain informed involved and supportive Absent concerted and continuing high level attention to the policies and programs supporting its nuclear forces 7

Air Force Magazine ,2013-07 **Congressional Record** United States. Congress,2003 Chinese Aerospace Power
Lyle J Goldstein,Andrew S. Erickson,2012-04-30 China s aircraft carrier program is making major waves well before the first ship has been completed Undoubtedly this development heralds a new era in Chinese national security policy While the present volume presents substantial new insight on that particular question its focus is decidedly broader in scope Chinese Aerospace Power offers a comprehensive survey of Chinese aerospace developments with a focus on areas of potential strategic significance previously unexplored in Western scholarship The book also links these developments to the vast maritime battlespace of the Asia Pacific region and highlights the consequent implications for the U S military particularly the U S Navy *The Air Force Comptroller* ,1967

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