



Deterrence and Security in the 21st Century

*China, Britain, France, and the Enduring Legacy
of the Nuclear Revolution*

AVERY
GOLDSTEIN

Deterrence In The 21st Century

Thérèse Delpech



Deterrence In The 21st Century:

Deterrence and Security in the 21st Century Avery Goldstein, 2000 Much recent writing about international politics understandably highlights the many changes that have followed from the collapse of the Soviet Union and the end of the Cold War This book by contrast analyzes an important continuity that the author argues will characterize international strategic affairs well into the new century nuclear deterrence will remain at the core of the security policies of the world's great powers and will continue to be an attractive option for many less powerful states worried about adversaries whose capabilities they cannot match The central role of nuclear deterrence persists despite the advent of a new international system in which serious military threats are no longer obvious the use of force is judged irrelevant to resolving most international disputes and states interests are increasingly defined in economic rather than military terms Indeed the author suggests why these changes may increase the appeal of nuclear deterrence in the coming decades Beginning with a reconsideration of nuclear deterrence theory the book takes issue with the usual emphasis on the need for invulnerable retaliatory forces and threats that leaders can rationally choose to carry out The author explains why states including badly outgunned states can rely on nuclear deterrent strategies despite the difficulty they may face in deploying invulnerable forces and despite the implausibility of rationally carrying out their threats of retaliation In the subsequent empirical analysis that examines the security policies of China Britain and France and taps recently declassified documents the author suggests that the misleading standard view of what is oftentermed rational deterrence theory may well reflect the experience or at least aspirations of the Cold War superpowers more than the logic of deterrence itself Case studies assessing the nuclear deterrent policies of China B Deterrence in the 21st Century Max G. Manwaring, 2001 This anthology argues that facing the diverse threats in the new world disorder requires a new look and new approaches The requirement is to establish that contemporary deterrence demands replacing the old nuclear theology with new policy and strategy to deal with the myriad state non state and trans national nuclear and non nuclear menaces that have heretofore been ignored or wished away

The Relevance of Deterrence in the 21st Century Christopher P. Graves, 2012 This paper will examine the relevance of deterrence and explore the question of a need for both a conventional and a nuclear deterrence The paper will look to answer the question through the lens of history and through the eyes of several nuclear strategists In conclusion the paper will make the case that nuclear deterrence has been a critical strategy in the past and there's no reason to believe it will not be key again Abstract Nuclear Deterrence in the 21st Century Thérèse Delpech, 2012-03-28 Deterrence remains a primary doctrine for dealing with the threat of nuclear weapons in the 21st century The author reviews the history of nuclear deterrence and calls for a renewed intellectual effort to address the relevance of concepts such as first strike escalation extended deterrence and other Cold War era strategies in today's complex world of additional superpowers smaller nuclear powers and nonstate actors Perspectives on Nuclear Deterrence in the 21st Century Beyza Unal, Yasmin Afina, Patricia

Lewis,2020 This collection of essays explores from the perspectives of eight experts four areas of deterrence theory and policymaking the underlying assumptions that shape deterrence practice the enduring value of extended deterrence the impact of emerging technologies and the blurring of the lines between conventional and nuclear weapons **U.S. Nuclear Deterrence in the 21st Century** ,2009 This Briefing Book represents a collective effort to present important facts and analyses about nuclear deterrence at a very critical juncture Its publication comes as the Obama administration seeks to advance policies with respect to nuclear weapons that for reasons described in the following pages are potentially perilous for America and the many nations around the world that rely upon the credibility of our nuclear deterrent **Nuclear Deterrence in the 21st Century** ,2008 Twenty first century security challenges are multi polar and asymmetric A few nations have substantial nuclear arsenals and active nuclear weapons programs that still threaten vital US national security directly or by supporting proliferation Maintaining a credible US nuclear deterrent and containing further proliferation will continue to be critical to US national security Overlaid against this security backdrop the rising worldwide population and its effects on global climate food and energy resources are greatly complicating the degree and number of security challenges before policy makers This new paradigm requires new ways to assure allies that the United States remains a trusted security partner and to deter potential adversaries from aggressive actions that threaten global stability Every U S President since Truman has affirmed the role of nuclear weapons as a supreme deterrent and protector of last resort of U S national security interests Recently President Bush called for a nuclear deterrent consistent with the lowest number of nuclear weapons that still protects U S interests How can this be achieved And how can we continue on a path of nuclear reductions while retaining the security benefits of nuclear deterrence Science and engineering have a key role to play in a potential new paradigm for nuclear deterrence a concept known as capability based deterrence *Nuclear Deterrence in the 21st Century* Trevor N. Tyler,Army War College (U.S.),2008 The end of the Cold War and the desire to rid the world of nuclear weapons did not make nuclear deterrence irrelevant Nuclear weapons continue to play a key role in this nation s strategic deterrence During the cold war the nuclear triad was the successful nuclear deterrence strategy Recent changes to the political landscape to include an increase in the number of nuclear actors have prompted a change to the tried and true nuclear deterrence Triad Better national diplomacy is needed in the nuclear deterrence strategy and will need to be sustained with relevant and capable nuclear and new conventional weapons **Strategic Deterrence in the 21st Century** ,1998 The roll of strategic command in making the global engagement vision a reality can seem vague and on the periphery But trust me exactly the opposite is true Our mission was essential in the past and I would submit is crucial today as we embrace the global engagement concept Nuclear deterrence is at the core of American national security strategy Joint Vision 2010 defines the primary task of our Armed Forces to deter conflict but should deterrence fail to fight and to win This is what we do at Strategic Command deterrence It is what we do each and every day 24 hours a day 365 days a year A basic issue that I want

to talk to you about has to do with why we are still in the deterrence business The Cold War has ended Why do we still need a deterrent force When the Cold War ended it didn't end with parades and banner headlines It ended with a fizzle Ladies and gentlemen I would submit that the loser really didn't lose in the traditional sense When the Cold War ended the loser retained its arsenal including several thousands of nuclear warheads on alert Because the Cold War ended in such an ambiguous manner it has been hard to make our message heard our message is that we still need to be around I am going to talk a lot more about that later because I feel very strongly about this When we fought World War II 18 months after Pearl Harbor General Marshall had a group in the War Department looking at a post World War II world I would submit the end of the Cold War snuck up on us and we have been paying the price ever since Clearly the world has changed a great deal in the last decade It is a safer world Through all this change one thing remains constant and that is our unwavering emphasis and focus on deterrence

Integrated Deterrence for the 21st Century Matthew J. Dougherty, 2023 Since the arrival of the atomic era in 1945 nuclear deterrence policies endure or fade with new presidential administrations and changing security environments Most recently the rise of Integrated Deterrence has generated tremendous discussion Many efforts to define Integrated Deterrence rely on circular reasoning aimed at supporting parochial policies This thesis seeks to define Integrated Deterrence against the backdrop of two previous shifts in deterrence policy To do so it reviews the historical adoption of Flexible Response in the 1960s and Tailored Deterrence in the 1990s It concludes that Integrated Deterrence represents a shift towards deterring an increasing number of perceived threats with many deterrent options The thesis puts forward a novel framework to classify deterrence policies as a function of the number of perceived threats and the number of available options to deter those threats The use of a two dimensional framework offers a helpful visualization to characterize deterrence policies on their substantive characteristics rather than tautological definitions The resulting analysis enables the application of Integrated Deterrence to resolve current and future security challenges at lower levels of violence Abstract

Nuclear Deterrence in the 21st Century, 2016 *U.S. Air Force Strategic Deterrence Capabilities in the 21st Century Security Environment* National Research Council, Division on Engineering and Physical Sciences, Air Force Studies Board, Committee on U.S. Air Force Strategic Deterrence Capabilities in the 21st Century Security Environment: A Workshop, 2013-01-01 Changes in the 21st century security environment require new analytic approaches to support strategic deterrence Because current adversaries may be deterred from the use of nuclear weapons differently than were Cold War adversaries the Air Force needs an analytic process and tools that can help determine those Air Force capabilities that will successfully deter or defeat these new nuclear armed adversaries and assure U S allies While some analytic tools are available a coherent approach for their use in developing strategy and policy appears to be lacking Without a coherent analytic approach that addresses the nuances of today's security environment Air Force views of its strategic deterrence needs may not be understood or accepted by the appropriate decision makers A coherent approach will support Air Force

decisions about its strategic force priorities and needs deter actual or potential adversaries and assure U S allies In this context the Air Force in 2012 requested that the Air Force Studies Board of the National Research Council undertake a workshop to bring together national experts to discuss current challenges relating strategic deterrence and potential new tools and methods that the Air Force might leverage in its strategic deterrence mission The workshop consisted of two 3 day sessions held in Washington DC on September 26 28 2012 and January 29 31 2013 and was attended by a very diverse set of participants with expertise in strategic deterrence and a range of analytic tools of potential interest to the Air Force U S Air Force Strategic Deterrence Capabilities in the 21st Century Security Environment summarizes this workshop Deterrence in the 21st Century Eric Ouellet, Madeleine D'Agata, Keith Stewart, 2024-01-30 The information age has opened a new front of adversarial statecraft The past decades have seen the rise and refinement of conflict enacted in the world of information with tactics including seeding disinformation the theft of sensitive data confusing or obscuring public opinion to forward specific goals and beyond Deterrence in the 21st Century asks how and if it is indeed possible to deter an enemy in the realm of information warfare Setting the stage with an overview of key concepts of deterrence in the information age the book presents new conceptual approaches and their possible applications Bringing together some of the most respected analysts working today Deterrence in the 21st Century looks beyond the technical aspects of the use of information and disinformation as adversarial statecraft to seek new avenues to deter the undermining of institutions and societies Treating deterrence as a concept a policy a social challenge and a series of practical solutions Deterrence in the 21st Century presents theoretical approaches conceptual analysis empirical research and content analysis This is a thorough thoughtful and expert analysis of one of the most difficult and essential security challenges of our time With contributions by Christopher Ankersen Yair Ansbacher Oshri Bar Gill Stephen J Cimbala Maddie D Agata Molly Ellenberg Leandre R Fabrigar Rachel Lea Heide Nicole J Jackson Pierre Jolicoeur Christian Leuprecht Adam Lowther Sarah Jane Meharg Eric Ouellet Ronald D Porter Anthony Seaboyer Ron Schleifer Miniqian Shen Anne Speckhard Keith Stewart Joseph Szeman and Alex Wilner

Alliances, Nuclear Weapons and Escalation Stephan Frühling, Andrew O'Neil, 2021-12-14 In an era of great power competition the role of alliances in managing escalation of conflict has acquired renewed importance Nuclear weapons remain the ultimate means for deterrence and controlling escalation and are central to US alliances in Europe and the Indo Pacific However allies themselves need to better prepare for managing escalation in an increasingly challenging geostrategic and technological environment for the US and its allies While the challenge of great power competition is acute at both ends of Eurasia adversary threats geography and the institutional context of US alliances differ This book brings together leading experts from Europe Northeast Asia the United States and Australia to focus on these challenges identify commonalities and differences across regions and pinpoint ways to collectively manage nuclear deterrence and potential escalation pathways in America s 21st century alliances Nuclear weapons play an important role in deterrence and preventing military conflict

between great powers while also posing an existential threat to humanity It is vital that we have a nuanced understanding of this important challenge so that such weapons are never used This book offers many important perspectives and makes a significant contribution to the overall debate about these powerful weapons The Hon Julie Bishop Chancellor The Australian National University Former Foreign Minister of Australia This timely book identifies a wide range of challenges US alliances both in the Indo Pacific and Euro Atlantic face as they seek to ensure the value of US extended deterrence particular the US nuclear umbrella against China and Russia This unique collection of chapters written by experts in US allies in both regions presents widely varying security perceptions and priorities To understand such differences is the key to globally strengthen the US alliance systems which are a significant advantage Washington enjoys over the two competitors Yukio Satoh former President of The Japan Institute of International Affairs JIIA This is a timely and thoughtful collection of essays that should serve to jumpstart public discussion and debate the absence of which is widely noted and much bemoaned Each contributor examines an aspect of the complicated multifaceted nuclear debate by discussing the range of dilemmas from deterrence to disarmament The various views set out here are more relevant than ever as Russia China and the United States flex their nuclear muscles in new and sometimes dangerous ways This book should be read by anyone interested in the preventing the use of nuclear weapons and understanding complexities of alliances in an increasingly dangerous world Madelyn Creedon former Principal Deputy Administrator of the US National Nuclear Security Administration and Assistant Secretary of Defense for Global Strategic Affairs

Nuclear Deterrence In The 21st Century, [H.A.S.C. No. 114-43], June 25, 2015, 114-1 ,2016

NL ARMS Netherlands Annual Review of Military Studies 2020 Frans Osinga,Tim Sweijs,2020-12-03 This open access volume surveys the state of the field to examine whether a fifth wave of deterrence theory is emerging Bringing together insights from world leading experts from three continents the volume identifies the most pressing strategic challenges frames theoretical concepts and describes new strategies The use and utility of deterrence in today s strategic environment is a topic of paramount concern to scholars strategists and policymakers Ours is a period of considerable strategic turbulence which in recent years has featured a renewed emphasis on nuclear weapons used in defence postures across different theatres a dramatic growth in the scale of military cyber capabilities and the frequency with which these are used and rapid technological progress including the proliferation of long range strike and unmanned systems These military strategic developments occur in a polarized international system where cooperation between leading powers on arms control regimes is breaking down states widely make use of hybrid conflict strategies and the number of internationalized intrastate proxy conflicts has quintupled over the past two decades Contemporary conflict actors exploit a wider gamut of coercive instruments which they apply across a wider range of domains The prevalence of multi domain coercion across but also beyond traditional dimensions of armed conflict raises an important question what does effective deterrence look like in the 21st century Answering that question requires a re appraisal of key theoretical

concepts and dominant strategies of Western and non Western actors in order to assess how they hold up in today s world Air Commodore Professor Dr Frans Osinga is the Chair of the War Studies Department of the Netherlands Defence Academy and the Special Chair in War Studies at the University Leiden Dr Tim Sweijis is the Director of Research at The Hague Centre for Strategic Studies and a Research Fellow at the Faculty of Military Sciences of the Netherlands Defence Academy in Breda

Deterrence in the 21st Century. The Collins Center Update, Special Edition 2 ,2000 The Center for Strategic Leadership at the U S Army War College conducted a two day symposium entitled Deterrence in the 21st Century in December 1999 More than 70 experienced national security practitioners ambassadors retired and active duty military officers congressional aides and academicians from the United States Europe Latin America and the Middle East participated in the symposium which had a two fold purpose 1 provide a diverse overview of deterrence policy and the contemporary challenges it faces and 2 stimulate new thinking on deterrence so that America and her allies will be better able to deter the new 21st Century threats

Achieving Nuclear Deterrence in the Twenty-first Century William J. Adams (Jr.),Army War College (U.S.),2011 The project will examine how to achieve stable nuclear deterrence against both state and non state actors in the 21st century The elements of deterrence will be examined and the application of these elements against both state and non state actors will be examined The rules of nuclear deterrence that operated during the Cold War will be examined to determine if the rules have changed and if so what the new rules are and how they influence rogue states non state actors and traditional nuclear states

Examination of the Role of Nuclear Deterrence in the 21st Century ,2010 Until very recently an evaluation of US policy regarding deterrence and the role of its nuclear weapons arsenal as a deterrent has been largely absent in the public debate With President s Obama embrace of a goal of a future world without nuclear weapons issues of nuclear policy and deterrence have just recently risen to the forefront of policy discussions The traditional role of US nuclear weapons to deter the use of nuclear weapons by other states endures but is no longer unique nor even predominant In an increasingly multi polar world the US now faces growing risks of nuclear weapons proliferation the spread of weapons of mass destruction generally to non state substate and transnational actors cyber space economic environmental and resource threats along with the application of numerous other forms of soft power in ways that are inimical to national security and to global stability What concept of deterrence should the US seek to maintain in the 21st Century That question remains fluid and central to the current debate Recently there has been a renewed focusing of attention on the role of US nuclear weapons and a national discussion about what the underlying policy should be In this environment both the United States and Russia have committed to drastic reductions in their nuclear arsenals while still maintaining forces sufficient to ensure unacceptable consequence in response to acts of aggression Further the declared nuclear powers have maintained that a limited nuclear arsenal continues to provide insurance against uncertain developments in a changing world In this environment of US and Russian stockpile reductions all declared nuclear states have reiterated the central role which

nuclear weapons continue to provide for their supreme national security interests Given this new environment and the challenges of the next several decades how might the United States structure its policy and forces with regard to nuclear weapons Many competing objectives have been stated across the spectrum of political social and military thought These objectives include goals of ratification of the Comprehensive Test Ban Treaty recommitment to further downsizing of the nuclear arsenal embracing a long term goal of the elimination of nuclear weapons limitations on both the production complex and upgrades to nuclear weapons and delivery systems and controls and constraints to limit proliferation of nuclear materials and weapons particularly to rogue states and terrorist groups

Deterrence Lawrence Freedman, 2004-05-21 As a concept deterrence has launched a thousand books and articles It has dominated Western strategic thinking for more than four decades In this important and groundbreaking new book Lawrence Freedman develops a distinctive approach to the evaluation of deterrence as both a state of mind and a strategic option This approach is applied to post cold war crisis management and the utility and relevance of the concept is addressed in relation to US strategic practice post 9 11 particularly in the light of the apparent preference of the Bush Administration for the alternative concept of pre emptio The study of deterrence has been hampered by the weight of the intellectual baggage accumulated since the end of the Second World War Exaggerated notions of what deterrence might achieve were developed only to be knocked down by academic critique In this book Freedman charts the evolution of the contemporary concept of deterrence and discusses whether and how it still has relevance in today s world He considers constructivist as well as realist approaches and draws on criminological as well as strategic studies literature to develop a concept of a norms based as opposed to an interest based deterrence This book will be essential reading for students of politics and international relations as well as all those interested in contemporary strategic thought

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