

Sustaining U.S. Nuclear Submarine Design Capabilities



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**United States. Congress. House.
Committee on National Security.
Subcommittee on Military
Procurement**

Sustaining U S Nuclear Submarine Design Capabilities:

Sustaining U.S. Nuclear Submarine Design Capabilities John Frederic Schank, 2007 The U S submarine fleet currently numbers more than 50 fast attack submarines SSNs and 18 submarines built to launch ballistic missiles SSBNs All are nuclear powered to maximize the duration and speed of underwater operations While the submarine fleet has been decreasing in size since the end of the Cold War it is anticipated that the U S Navy will sustain a force of several dozen boats into the foreseeable future Submarines are almost continually being built to replace older ones that must be retired As is the case with surface ships submarines are built in classes sets of boats constructed to a common design Designing a new class of nuclear submarines is a very large and complex endeavor lasting 15 years or longer and requiring 15 000 to 20 000 man years at the prime shipyard contractor alone

Sustaining U.S. Nuclear Submarine Design Capabilities John F. Schank, Mark V. Arena, Paul DeLuca, Jessie Riposo, Kimberly Curry Hall, Kimberly Curry, 2007-06-14 Nuclear submarine design resources at the shipyards their suppliers and the Navy may erode for lack of demand Analysis of alternative workforce and workload management options suggests that the U S Navy should stretch out the design of the next submarine class and start it early or sustain design resources above the current demand so that the next class may be designed on time on budget and with low risk

Sustaining U.S. Nuclear Submarine Design Capabilities , 2007 The U S submarine fleet currently numbers more than 50 fast attack submarines SSNs and 18 submarines built to launch ballistic missiles SSBNs All are nuclear powered to maximize the duration and speed of underwater operations While the submarine fleet has been decreasing in size since the end of the Cold War it is anticipated that the U S Navy will sustain a force of several dozen boats into the foreseeable future Submarines are almost continually being built to replace older ones that must be retired As is the case with surface ships submarines are built in classes sets of boats constructed to a common design Designing a new class of nuclear submarines is a very large and complex endeavor lasting 15 years or longer and requiring 15 000 to 20 000 man years at the prime shipyard contractor alone

U.S. Naval Power in the 21st Century Brent Droste Sadler, 2023-05-15 2023 Naval Institute Press Author of the Year Finalist National Security Book Award This nation's Cold War and Global War on Terror defense structures need an update U S Naval Power in the 21st Century provides such a framework for the changed world we live in offering a detailed roadmap that shows how the United States can field a war winning fleet that can also compete aggressively in peacetime against dangerous competitors unlike any the nation has faced before Brent Sadler presents a compelling new strategy and organizing approach that he calls naval statecraft which acknowledges the centrality and importance of the maritime domain While similar in scale and scope to Cold War containment strategies against the Soviets naval statecraft is much more It must be to challenge China's involvement in global supply chains which gives that country significant financial heft and influence around the world Unlike what existed during of the Cold War however Sadler provides a unique vision for competing with China and Russia Rather than simply calling for better coordinated U S

diplomacy military operations and economic statecraft Sadler argues for integrating the levers of national power coherently and in a sustainable way This is no small feat and his approach is informed by a long career rich in working with various agencies of government foreign militaries including hostile ones and our allies It is an approach imminently appropriate to our times but comes with a realization that the nation is not ready for the competition it faces from China and Russia The book is a valuable contribution to the national debate over how best to respond to China s rise and Russia s antagonisms

Hearings on National Defense Authorization Act for Fiscal Year 1996--H.R. 1530, and Oversight of Previously Authorized Programs, Before the Committee on National Security, House of Representatives, One Hundred Fourth Congress, First Session United States. Congress. House. Committee on National Security,1997 Department of Defense Appropriations for 1996 United States. Congress. House. Committee on Appropriations,United States. Congress. House. Committee on Appropriations Subcommittee on National Security,1997 Sustaining Key Skills in the UK Naval Industry Hans Pung,2008

To preserve its ability to design build and support complex warships and submarines the UK Ministry of Defence MOD will need to preserve and sustain several key technical skills in the maritime domain particularly those of designers and engineers at various stages of surface ship and submarine acquisition and support Its current naval acquisition programme comprising several classes of vessels such as the Astute class attack submarine and the Future Aircraft Carrier has brought forward questions regarding the MOD s ability to design build and support the intended fleet size Building on prior RAND research this monograph explores in greater detail the need for and retention of specific technical skills in the UK s naval industrial base It investigates the relationship between the demand created by the MOD s surface ship and submarine acquisition programme and the technical workforce needed to design build and support those war vessels The results reveal that although the MOD has taken into account the need for these skills its future naval programme likely will have to be modified or augmented to sustain these technical skills in the long term In particular the MOD needs to nurture design and engineering skills to bridge current and future gaps as its naval acquisition programme moves forward Publisher s website

Department of Defense Appropriations for 1996 United States. Congress. House. Committee on Appropriations. Subcommittee on National Security,1997 **Department of Defense Appropriations** United States. Congress. House. Committee on Appropriations. Subcommittee on Department of Defense,1996 **Hearings on National Defense Authorization Act for Fiscal Year 1996--S. 1124 (H.R. 1530) and Oversight of Previously Authorized Programs Before the Committee on National Security, House of Representatives, One Hundred Fourth Congress, First Session** United States. Congress. House. Committee on National Security. Subcommittee on Military Procurement,1996

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