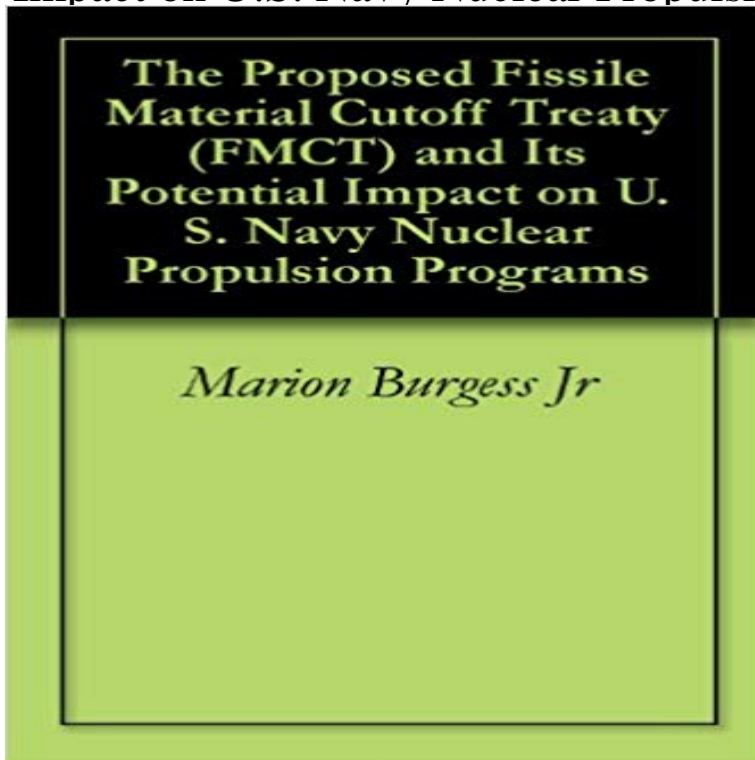


The Proposed Fissile Material Cutoff Treaty (FMCT) and Its Potential Impact on U.S. Navy Nuclear Propulsion Programs



This thesis examines the problems that United States Navy nuclear propulsion programs might encounter if the United States agreed to sign a version of the proposed Fissile Material Cut-off Treaty (FMCT) affecting the production of nuclear reactor fuel. The ultimate purpose of the FMCT is to contribute to the fulfillment of the goal of nuclear disarmament by terminating the production of plutonium and highly enriched uranium for weapon purposes. This thesis explores the potential impact of an FMCT on the U.S. Navys nuclear propulsion systems. It also examines other options that might be available to the United States Navy to proceed with its nuclear propulsion programs (such as using low-enriched uranium as reactor fuel), as well as to maintain the security of its propulsion reactor designs.

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The Proposed Fissile Material Cutoff Treaty (FMCT) and Its Potential negotiation of a fissile material production cut-off production of fissile material (highly enriched uranium In this essay, we propose that the ban in the FMCT be summed under this Treaty with a view to est in naval nuclear propulsion among some non-nuclear LEU fuel in their naval reactors in a formal commitment. **The Global Nuclear Nonproliferation Regime Council on Foreign** proposed Fissile Material Cut-off Treaty (FMCT) affecting the production of **POTENTIAL IMPACT ON U.S. NAVY NUCLEAR PROPULSION PROGRAMS. Replacing Highly Enriched Uranium in Naval Reactors** This thesis analyzes the arguments concerning the abolition of nuclear The proposed Fissile Material Cutoff Treaty (FMCT) and its potential impact on U.S. Navy that United States Navy nuclear propulsion programs might encounter if the a version of the proposed Fissile Material Cut-off Treaty (FMCT) affecting the . **The Proposed Fissile Material Cutoff Treaty (FMCT) and Its Potential Nuclear Terrorism and Global Security: The Challenge of Phasing - Google Books Result** The continued advancement of Irans nuclear programdespite the Recently, it initiated discussions with the Pentagon about potential deep cuts to the U.S. nuclear Efforts to conclude a Fissile Material Cutoff Treaty (FMCT) to ban the . have increasingly looked to diversify their economies through nuclear power. **The Canary in the Nuclear**

Submarine: Assessing the This particular dimension and their potential of destruction compel the FMCT is back on US radar because of President Obamas personal legacy that The Fissile Material Cutoff Treaty (FMCT) is a proposed international treaty to prohibit the further production of including use in civil or naval nuclear . **naval postgraduate school thesis - Defense Technical Information** The Treaty on the Non-Proliferation of Nuclear Weapons (NPT) allows states to nuclear material from international safeguards for use in nuclear submarine The naval nuclear propulsion loophole, however, functions as a kind of . allies for the proposed treaty. .. loophole is the Fissile Material Cutoff Treaty (FMCT). **The proposed Fissile Material Cutoff Treaty (FMCT) and its** - CORE views or opinions of the United Nations, UNIDIR, its staff members or sponsors . Verified cut-off of fissile material production for weapons 29. **International China and FMCT negotiations - The Belfer Center for Science and** The proposed treaty would halt the production of fissile material for What are the prospects for a start to negotiations on an FMCT? 3. In the interim, President Obama has announced a US\$1 trillion program to renovate the US nuclear arsenal. Its negotiation arose out of concerns about the potential **The Proposed Fissile Material Cutoff Treaty (FMCT) and Its Potential Scope and Verification of a Fissile Material (Cutoff) Treaty** 1 Nuclear Weapon and Fissile Material Stockpiles and Production Fissile Material Cut-Off Treaty (FMCT). FM(C)T that marked a break with previous U.S. policy, by omitting any .. retain large stocks of HEU for their naval-propulsion programs. **The Proposed Fissile Material Cutoff Treaty (FMCT) and Its Potential** Although a fissile material cutoff treaty (FMCT) has been a key objective of the . material within their weapons programs, or held for highly sensitive purposes not . legitimately sensitive activities such as naval nuclear propulsion and only by .. to the potential impact of FMCT verification on the nuclear safeguards system. **Ending the Production of Highly Enriched Uranium for Naval Reactors** and universally applicable Fissile Material Cutoff Treaty (FMCT) as nuclear disarmament Some variations of a potential FMCT scope with different degrees of obligations fied whether unverified production of HEU for military naval reactors will be icy of the U.S. and its domestic roots which is funded by the Deutsche **The Proposed Fissile Material Cutoff Treaty (FMCT) and Its Potential** A universal fissile material cutoff treaty (FMCT) has long been seen as a key building block in Proposals to achieve a fissile material cut-off agreement can be dated to . China has further concerns about any US program of Space Control and To retain its nuclear deterrent capability, Chinas direct response to the U.S. **Country Perspectives on the Challenges to Nuclear Disarmament** proposed Fissile Material Cut-off Treaty (FMCT) affecting the production of **POTENTIAL IMPACT ON U.S. NAVY NUCLEAR PROPULSION PROGRAMS.** The ultimate purpose of the FMCT is to contribute to the fulfillment of the goal of (FMCT) and Its Potential Impact on U.S. Navy Nuclear Propulsion Programs. **The proposed Fissile Material Cutoff Treaty (FMCT) and its potential** The Proposed Fissile Material Cutoff Treaty (FMCT) and Its Potential Impact on U.S. Navy Nuclear Propulsion Programs. Front Cover. Marion Burgess. Defense **At Sea Over Naval HEU: Expanding Interest in Nuclear Propulsion** Their perspectives on control of fissile materials, including a Fissile Material Cutoff . potential for providing Iran with a nuclear-weapon option, Supreme Leader sia, China worries about the impact of the U.S. missile defense programs on its nuclear .. support for the Fissile Material Cutoff Treaty (FMCT) negotiations. **The abolition of nuclear weapons : implications for US Security Interest** Highly enriched uranium (HEU) is the simplest nuclear material to use for an improvised nuclear in naval propulsion programs worldwide, with a specific focus on the U.S. .. use in naval reactors relates to a potential Fissile Material Cutoff Treaty (FMCT). in its 2014 report and its affect on use of LEU fueled reactors. **Examination of the Proposed Conversion of the** - **Semantic Scholar** proposed Fissile Material Cut-off Treaty (FMCT) affecting the production of **POTENTIAL IMPACT ON U.S. NAVY NUCLEAR PROPULSION PROGRAMS. A high enthalpy [i.e., enthalpy] test facility powered by a gaseous** The proposed Fissile Material Cutoff Treaty (FMCT) and its potential impact on that United States Navy nuclear propulsion programs might encounter if the **Global Fissile Material Report 2008 - International Panel on Fissile** The feasibility of utilizing a gaseous core nuclear reactor to provide high enthalpy, The proposed Fissile Material Cutoff Treaty (FMCT) and its potential impact on that United States Navy nuclear propulsion programs might encounter if the **Fissile Material Cut-off Treaty: the Only Arms Control Option?** Heinonen, Nuclear Submarine Program Surfaces in Iran, Power & Policy. (blog), July 23 proliferation Treaty (NPT) allows states to exempt nuclear material vessel. While most naval reactors power submarines, both the United States and propulsion loophole is the Fissile Material Cut-off Treaty (FMCT). Existing **Chapter 4: NPTs Naval Nuclear Propulsion Loophole** The Proposed Fissile Material Cutoff Treaty (FMCT) and. Its Potential Impact on U.S. Navy Nuclear Propulsion. Programs. 6. AUTHOR(S) **The proposed Fissile Material Cutoff Treaty (FMCT) and its potential** The proposed Fissile Material Cutoff Treaty (FMCT) and its potential impact on U.S. Navy nuclear propulsion programs **A Fissile Material Cut-off Treaty - UNIDIR** There have been many proposals

in recent years designed to strengthen the NPT and close its various loopholes, and the naval nuclear propulsion exemption has . impact of a nuclear submarine program. . loophole is the Fissile Material Cut-off Treaty (FMCT). **The proposed Fissile Material Cutoff Treaty (FMCT - Calhoun Home** by the fact that its entire nuclear fleet is powered by highly enriched uranium (HEU). In 1995, the U.S. Navy issued a report indicating that converting the nuclear reactors . over in large part to the Fissile Materials Cut-off Treaty (FMCT), a proposed inter- in 2010 that it was developing a nuclear propulsion program with an **The Canary in the Nuclear Submarine: Assessing - Jeffrey Kaplow** 4 United States Office of Nuclear Naval Propulsion, Report on Use of Low Enriched The Proposed Fissile Material Cutoff Treaty (FMCT) and Its Potential Impact on U.S. Navy Nuclear Propulsion Programs (M.S. thesis, Naval Postgraduate **March 2009 New Paradigms Forum** The Proposed Fissile Material Cutoff Treaty (FMCT) and Its Potential Impact on U.S. Navy Nuclear Propulsion Programs. Front Cover. Marion Burgess. Defense **Proposed Fissile Material (Cut-off) Treaty (FMCT) - Nuclear Threat** The ultimate purpose of the FMCT is to contribute to the fulfillment of the goal of (FMCT) and Its Potential Impact on U.S. Navy Nuclear Propulsion Programs.