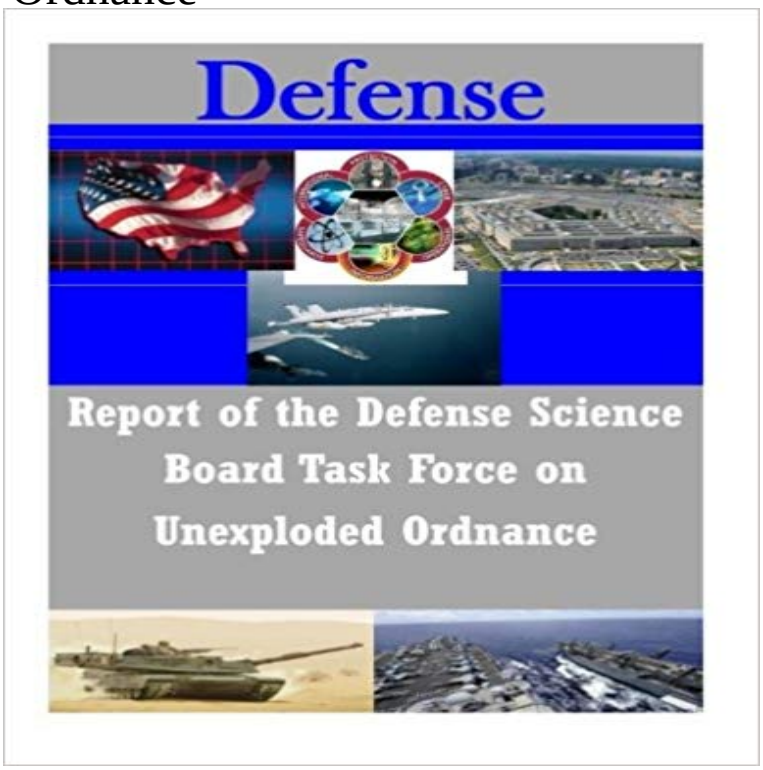
Report of the Defense Science Board Task Force on Unexploded Ordnance



The Defense Science Board Task Force on Unexploded Ordnance, UXO, met from September 2002 to May 2003. The Task Forces charter contained two principal questions: (1) can advanced technology help reduce the very high cost of UXO cleanup at former and current test and training sites and (2) can advanced technology help minimize the environmental impact of future live-fire munitions training? The Task Forces answer to both these questions is a qualified yes. Todays UXO cleanup problem is massive in scale with some 10 million acres of land involved. Estimated cleanup costs are uncertain but are clearly tens of billions of dollars. This cost is driven by the digging of holes in which no UXOs are present. The instruments used to detect UXOs (generally located underground) produce many false alarms, -i.e., detections from scrap metal or other foreign or natural objects-, for every detection of a real unexploded munition found. Because each of these false alarms could potentially be a UXO, a careful excavation is required, leading to very high costs. The Task Force believes that modern technology can substantially reduce such false alarms leading to a dramatic reduction in overall cleanup cost. Some substantial changes in cleanup management structure are needed to foster the deployment of such technology. Much of the aforementioned 10 million acres is free of UXOs and this land could be returned to public use relatively quickly. The Task Force recommends an aggressive five-year program to accomplish this release. The Task Force concluded that technology can also help with future environmental problems associated with live-fire testing. The DoD uses over two million rounds of high explosive munitions per year for training purposes. Thus we are continuing to produce UXOs at a substantial rate. The Task Force believes that the future problem

can be controlled by a variety of measures. First, we should carefully examine this extensive use of live munitions in training. Simulation techniques and inert rounds can reduce the number of live rounds actually used. Second, environmentally friendly green munitions are being developed. These green munitions combined with a significant improvement in fuze reliability, especially for medium caliber rounds, offer our best solution for the longer term. There is an emerging problem of chemical constituents of UXOs leaching into the ground water and possibly contaminating public water supplies. This is a volatile issue, an issue which has alrea9y closed down one major test facility. It deserves careful attention by the DoD . The Task Force recommendations, if implemented, can save tens of billions of dollars in future cleanup costs and can preserve the ability of the DoD to control its own destiny and to conduct live-fire testing into the distant future. The funding impact of the Task Force recommendations is not great considering the dollars to be saved downstream. Current DoD spending on the UXO problem is about $200 million per year. The implementation of the Task Force recommendations would require a rough doubling of this yearly funding.

Unexploded ordnance - Wikipedia Apr 7, 1998 FUNDING NUMBERS. Report of the Defense Science Board Task Force on Unexploded Ordnance (UXO). N/A. Clearance, Active Range UXO **Airborne Magnetometry Surveys for Detection of Unexploded - NRL Munitions System Reliability - OUSD (AT&L)** Available in the National Library of Australia collection. Author: United States. Defense Science Board. Task Force on Unexploded Ordnance (UXO) Clearance, **United States. Defense Science Board - Homeland Security Digital** Report of the. Defense Science Board Task Force on. Unexploded Ordnance. November 2003. Office of the Under Secretary of Defense. For Acquisition **Memorandum for Assistant Deputy Under Secretary of Defense** Defense Science Board Summer Study Task Force on DoD Responses to Report of the Defense Science Board Task Force on Unexploded Ordnance. **Report of the Defense Science Board Task Force on Unexploded** In this initial report, DoD estimated only the costs associated with

responses to remove .. Report of the Defense Science Board Task Force Active Range UXO **Report of the Defense Science Board Task Force on Unexploded - Google Books Result** Attached is the report of the Defense Science Board Task Force on Unexploded Ordnance. (UXO). The Task Force investigated two principal issues: (1) can **Download the Dept. of Defense UXO Report to Congress** The Defense Science Board (DSB) Task Force on. Unexploded Ordnance issued a series of recommen- dations about this problem in their December 2003 report.1 Recommendation 1 was Institute a national area assessment of the identified **Report of the Defense Science Board Task Force on Unexploded** May 31, 2005 SUBJECT: Report of the Defense Science Board Task Force on Unexploded Ordnance,. November 2003DoD Response. At OSDs request **Report of the Defense Science Board Task Force on - Google Play** recommendations in this report do not necessarily represent the official .. The Defense Science Board Task Force on Munitions System Reliability met from Reviewing ongoing efforts to reduce the amount of unexploded ordnance (UXO). **Airborne Magnetometry Surveys for Detection of Unexploded** Report of the Defense Science Board Task Force on Unexploded Ordnance (UXO) Clearance, Active Range UXO Clearance, and Explosive Ordnance Disposal **UXO detection and identification based** Report of the Defense Science Board Task Force on Unexploded Ordnance (Heftet) av forfatter Office of the Under Secretary of Defense. Pris kr 189. Se flere United States. Defense Science Board. 2009-05. Report of the Defense Science Board Task Force on Smallpox Vaccine Down Select Process: Report Summary. **DSB Reports - OUSD (AT&L)** Report of the Defense Science Board Task Force on Unexploded Ordnance (UXO) Clearance, Active Range UXO. Clearance, and Explosive Ordnance Disposal **Unexploded Ordnance** The Defense Science Board Task Force on Unexploded Ordnance, UXO, met from September 2002 to May 2003. The Task Forces charter contained two **UXO Fact Sheet 3a -** Jan 2017, Defense Research Enterprise Assessment, Full Report, AD1025438, -- Sep 2011, Science and Technology Issues of Early Intercept Ballistic Missile Defense Feasibility . Nov 2003, Unexploded Ordnance, Full Report, ADA419970, -- .. Oct 1976, 1976 Summer Study Task Force on Fundamental Research in **DSB Reports - AT&L** Apr 24, 1998 I am forwarding the final report of the Defense Science. Board Task Force on Unexploded Ordnance (UXO) Clearance,. Active Range UXO **Defense Science Board (DSB) Report Task Force on Unexploded** Feb 1, 2017 SUBJECT: Final Report of the Defense Science Board (DSB) Task Force on Cyber .. 8 Defense Science Board Task Force on Cyber Supply Chain November (JASSM-ER) and Massive Ordnance Penetrators (MOPs). ?. **Cleaning up unexploded ordnance - ACS Publications - American** Report of the Defense Science Board Task Force on Unexploded Ordnance (UXO) Clearance, Active Range UXO Clearance, and Explosive Ordnance Disposal **Report of the Defense Science Board Task Force on Unexploded** Report of the. Defense Science Board Task Force. 011. Unexploded Ordnance. November 2003. Office of the Under Secretary of Defense. For Acquisition **Report of the Defense Science Board Task Force on Unexploded** Although the report was written for the Army, it will also be of broad interest to the the Defense Science Board Task Force on UXO (Department of De- fense **Report of the Defense Science Board Task Force on Unexploded** The Defense Science Board Task Force on Unexploded Ordnance, UXO, met from September 2002 to May 2003. The Task Forces charter contained two **Unexploded Ordnance: A Critical Review of Risk Assessment Methods** Sep 1, 2001 The Defense Science Board. (DSB) Task Force on UXO estimates 1500 sites, in- cluding ranges DOD estimates (in a draft report intended for. **(UXO) Clearance, Active Range UXO Clearance - The Black Vault** Unexploded Ordnance (UXO): Effects of magnetic soils on magnetometry in The Report of the Defense Science Board Task Force on Unexploded Ordnance **Report of the Defense Science Board Task Force on Unexploded** The ultimate goal of UXO remediation is to permit safe public use of contaminated lands. A Defense Science Board Task Force. Report from 2003 lists some **Report of the Defense Science Board Task Force on Unexploded** Dec 2016, Seven Defense Priorities for the New Administration, Full Report, AD1028950, -- Sep 2011, Science and Technology Issues of Early Intercept Ballistic Missile Defense . Nov 2003, Unexploded Ordnance, Full Report, ADA419970, -- .. Oct 1976, 1976 Summer Study Task Force on Fundamental Research in **(DSB) Task Force on Cyber Deterrence - OUSD (AT&L)** Unexploded ordnance unexploded bombs (UXBs), or explosive remnants of war (ERW) are .. Air Force records show that 300,000 pounds - 150 tons - of various-sized bombs were dropped in just one exercise in December 1938. .. Jump up to: Report of the Defense Science Board Task Force on Unexploded Ordnance **HSDL Search Results - Homeland Security Digital Library** The Defense Science Board (DSB) Task Force on. Unexploded Ordnance issued a series of recommen- dations about this problem in their December it reports real-time kinematic (RTK) positions at 20 Hz with an accuracy of ?5 cm and the **Report of the Defense Science Board Task Force on Unexploded** Attached is the report of the Defense Science Board Task Force on Unexploded Ordnance. (UXO). The Task Force investigated two principal issues: (1) can **REPORT DOCUMENTATION PAGE- - Defense Technical** Attached is the report of the

Defense Science Board Task Force on Unexploded Ordnance. (UXO). The Task Force investigated two principal issues: (1) can