

Transmittal No. 04-08

**Notice of Proposed Issuance of Letter of Offer
Pursuant to Section 36(b)(1)
of the Arms Export Control Act**

**Annex
Item No. vii**

(vii) Sensitivity of Technology:

1. The AN/AAQ-24(V) NEMESIS Directional Infrared Countermeasures (DIRCM) with a multi-band laser on large infrared signature aircraft reduces the number of required transmitters and increases effectiveness against threats from modern Man-Portable Air Defense Systems. This aircraft self-protection suite will provide fast and accurate threat detection, processing, tracking, and countermeasures to defeat current and future generation infrared missile threats. DIRCM is designed for installation on a wide range of rotary and fixed-wing aircraft. The ALQ-211 Suite of Integrated RF Countermeasures provides advanced radar warning, situational awareness, and electronic countermeasures capabilities. The AN/ALE-47 is a chaff/flare dispensing system.

2. If a technologically advanced adversary were to obtain knowledge of the specific hardware or software in this proposed sale, the information could be used to develop countermeasures which might reduce weapon system effectiveness or be used in the development of a system with similar or advance capabilities.

3. A determination has been made that India can provide substantially the same degree of protection for the sensitive technology being released as the U.S. Government. This sale is necessary in furtherance of the U.S. foreign policy and national security objectives outlined in the Policy Justification.

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BILLING CODE 5001-06-C

DEPARTMENT OF DEFENSE**Office of the Secretary****Finding of No Significant Impact for the Mobile Launch Platform**

AGENCY: Missile Defense Agency, Department of Defense.

ACTION: Notice.

SUMMARY: The Missile Defense Agency (MDA) prepared an Environmental Assessment (EA) to evaluate the potential environmental impacts of activities associated with using the Mobile Launch Platform (MLP) as a platform for testing sensors, launching target missiles, and launching interceptor missiles and the EA is hereby incorporated by reference. The MLP is the former USS Tripoli (LPH 10), a converted U.S. Navy Iwo Jima class Amphibious Assault Ship (Helicopter). The EA considers the impacts of

specific tests that propose to use the MLP. After reviewing and analyzing currently available data and information on existing conditions, project impacts, and measures to mitigate those impacts, the MDA has determined that the proposed action is a Federal action that would not significantly affect the quality of the human environment within the meaning of the National Environmental Policy Act (NEPA) of 1969, as amended. Therefore the preparation of an Environmental Impact Statement (EIS) is not required and MDA is issuing a Finding of No Significant Impact (FONSI). The MDA made this determination in accordance with all applicable environmental laws.

The EA was prepared in accordance with NEPA; the Council on Environmental Quality regulations that implement NEPA (Code of Federal Regulations [CFR], title 40, parts 1500-1508); Department of Defense (DoD) Instruction 4715.9, *Environmental Planning and Analysis*; the applicable service regulations that implement these

laws and regulations; and Executive Order (E.O.) 12114, *Environmental Effects Abroad of Major Federal Actions*, which direct DoD lead agency officials to consider potential environmental impacts and consequences when authorizing or approving Federal actions. The Draft EA was released for public comment on April 28, 2004. The Notice of Availability was published in the **Federal Register** on May 6, 2004. All comments received were considered in the preparation of the EA. An electronic copy of the EA is available for download at the following Web site: <http://www.acq.osd.mil/bmdo/bmdolink/html/bmdolink.html>.

ADDRESSES: Submit request for a copy of the MLP EA to MDA/TER, Attn: Mr. Crate Spears, 7100 Defense Pentagon Washington, DC 20301-7100.

SUPPLEMENTARY INFORMATION:

A. *Description of the Proposed Action:* The purpose of the proposed action is to provide a mobile sea-based platform from which to more realistically test sensors (radars,

telemetry, and optical systems), ballistic missile targets, and defensive missile interceptors in support of MDA's mission. MDA's mission is to develop, test, deploy, and plan for decommissioning a Ballistic Missile Defense System (BMDS) to provide a defensive capability for the United States (U.S.), its deployed forces, friends, and allies from ballistic missile threats. The proposed action would provide the MDA with the capability to conduct launches using multiple realistic target and interceptor trajectories in existing test ranges and the Broad Ocean Area (BOA). In addition, the proposed action would allow MDA the capability to use sensors at test support positions in remote areas of the ocean by locating these sensors onboard the MLP.

The sensors that would be tested from the MLP include radars, telemetry, and optical systems. Examples of radars that could be used include: TPS-X, Mk-74, and Coherent Signal Processor radars that already exist, and the BMDS radar, being developed by the MDA. Telemetry systems could include the Transportable Telemetry System and mobile range safety systems. Mobile optical systems such as the Stabilized High-Accuracy Optical Tracking System could also be placed on the MLP. Additional sensor systems may be temporarily based on the MLP as required. The targets that would be launched from the MLP include pre-fueled and non-pre-fueled liquid and solid propellant missiles. The interceptors that would be launched from the MLP include solid propellant missiles. The MLP would be designed to operate from one or all of the following locations, Western Range, Pacific Missile Range Facility (PMRF)/Kauai Test Facility (KTF), U.S. Army Kwajalein Atoll (USAKA)/Ronald Reagan Ballistic Missile Defense Test Site (RTS), and the BOA.

The MLP has no engines for propulsion and would be towed from port to the test event location. Either a government-owned contractor-operated or commercial tug would tow the MLP for test events. The sensors would be transported to and loaded on the MLP at the home port (Mare Island, California) and target and interceptor missiles would be transported to and loaded on the MLP at ordnance loading ports.

Tests would consist of the launch of a target missile; tracking by land, sea-, air-, and space-based sensors; launch of an interceptor missile; target intercept; and debris impacting in the ocean. For the purpose of this EA, a test event was defined as a target missile flight, an interceptor missile flight, an intercept of

a target missile, or use of a sensor to observe a missile flight test or intercept. The EA addresses the impacts of conducting up to four test events per year using the MLP as a platform for operating sensors, launching target missiles, and launching interceptor missiles for a total of up to 20 test events between 2004 and 2009.

B. Alternatives To the Proposed Action: Two alternatives to the proposed action were considered in the EA. The first alternative would include using the MLP for the launch of all missile types (pre-fueled and non-pre-fueled liquid propellant target missiles, solid propellant target missiles, and solid propellant interceptor missiles) but not for testing sensors. The second alternative would include using the MLP to test sensors and launch pre-fueled liquid propellant missiles and solid propellant missiles but not non-pre-fueled liquid propellant missiles. Under the no action alternative, existing activities to be conducted from the MLP would continue and additional activities using the MLP would be considered on a case-by-case basis. Sensor testing and missile launches would continue from existing locations and facilities but the MDA would not have the flexibility of using the MLP as a platform to conduct testing of sensors or launches of missiles from the MLP. The potential benefits to the testing program from implementing realistic flight-test scenarios and the greater flexibility afforded with a mobile platform would not be realized.

C. Environmental Effects:

1. Methodology

To assess the significance of any impact, a list of activities necessary to accomplish the proposed action was developed. The affected environment at all applicable locations was then described. Next, those activities with the potential for environmental consequences were identified. The degree of analysis of proposed activities if proportionate to their potential to cause environmental impacts.

Nine resource areas were considered to provide a context for understanding the potential effects of the proposed action and to provide a basis for assessing the severity of potential impacts. These areas included air quality, airspace, biological resources, geology and soils, hazardous materials and waste, health and safety, noise, transportation and infrastructure, and water resources. The areas were analyzed as applicable for each proposed location or activity. Because the proposed action involves the use of the MLP as a mobile sea-based platform

for testing sensors and launching target and interceptor missiles, the majority of potential impacts would occur in the ocean. Therefore, other resource areas, including land use, environmental justice and socioeconomic resources, visual and aesthetic resources, and cultural and historic resources were not considered in the analysis. Conclusions of the analyses were made for each of the areas of environmental consideration based on the application of the described methodology. The amount of detail presented in each resource area is proportional to the potential for environmental impacts.

2. Impact From Missile Test Events

No significant impacts to geology and soils, health and safety, transportation and infrastructure, or water resources would occur from missile test events in the Western Range, PMRF, USAKA/RTS, or the BOA. No significant impacts would result from hazardous materials or hazardous waste used or produced as a result of the proposed action. Applicable regulations and operating procedures would be followed when handling hazardous materials and waste. Fueling procedures for non-pre-fueled liquid propellant missiles could impact air quality if an accidental release were to occur during fueling operations. The low likelihood of such a release and the implementation of approved emergency response plans would limit the potential for impact to air quality. Analyses indicated that launch emissions would not exceed Federal annual air quality (de minimis) limits. Launches of missiles would not add any new stationary emissions sources to the ranges; therefore, new permits or changes to existing air permits would not be required. In addition, dispersion in the ocean is considered good due to prevailing trade winds and lack of topographic features that inhibit dispersion. Launch preparations would follow standard evacuation procedures within the active warning area, which would marginally reduce the amount of navigable airspace. Missile launch firing areas would be selected so that trajectories would be clear of established oceanic air routes or areas of known surface or air activity. Missile launches would take place in existing restricted airspace or warning areas. Airspace would be evacuated within the launch hazard areas and commercial flights would be rerouted to avoid the cleared airspace. Missile launches occurring in the ocean would be located far enough off land that they would not be expected to interfere with existing airfield or airport arrival and departure traffic flows. Test

event sponsors would ensure coordination with the appropriate organizations, such as the International Civil Aviation Organization through the Federal Aviation Administration (FAA), to issue International Notices to Airmen, locate ships with radar capable of monitoring the airspace, contact all commercial airlines and civil and private airports, and monitor appropriate radio frequencies to minimize potential safety impact.

Noise resulting from the launch of missiles is most likely to cause startle responses in wildlife. Potential non-acoustic effects to biological resources include physical impact by falling debris, entanglement in debris, and contact with or ingestion of debris or hazardous materials. The impact of a missile with the ocean surface could impart injuries to marine mammals at close range. However injury to marine mammals by direct impact or shock wave would be extremely remote (less than 0.0006 marine mammals exposed per year).

Personnel would be located under the hardened deck of the MLP where they would be protected from noise generated during launches. Personnel on the tow vessel would be moved to a safe distance and would be protected from noise generated during launch. Personnel exposed to loud noises would be required to wear hearing protection. Missiles could generate a sonic boom however they would not affect the immediate area around the launch site.

3. Impacts From Sensor Test Events

Impacts to air quality would be limited to exhaust emissions produced by generators on the MLP and would not be significant. No significant impacts to airspace, geology and soils, hazardous materials and hazardous waste, noise, transportation and infrastructure, or water resources would occur from sensor test events in the Western Range, PMRF, USAKA/RTS, or the BOA.

Potential impacts to wildlife in the near shore environment of the ranges would include seabirds and shorebirds, including migratory species, striking the antennas, telescopes and shelters or becoming disoriented due to high intensity lighting at night. Action would be taken to increase visibility of antennas, telescopes, and other structures to birds. High intensity lighting would be used only during test events and low intensity lighting would be used whenever possible to reduce the likelihood that birds would become disoriented. Use of sensors onboard the MLP would not impact marine mammals and pelagic fish. Operational

activities taking place in the open ocean would occur several hundred kilometers from any landmass, therefore there would be no impacts on near shore vegetation due to use of sensors on the MLP. No electromagnetic radiation (EMR) impacts to wildlife would be expected. The main beam produced by the sensor would be in motion, making it extremely unlikely that a bird would remain within the most intense area of the beam for any considerable length of time.

Operation of mobile sensor systems on board the MLP would not present a significant health and safety hazard. EMR hazard zones would be established within radar tracking space and near emitter equipment. A visual survey of the area would be conducted to verify that all personnel are outside the hazard zone prior to setup. There would be no exposure hazard expected from the operation of telemetry and optical systems equipment.

4. Mare Island

There would be no changes required to Mare Island to support docking, servicing, or maintaining the MLP. In addition, any impacts resulting from generator use onboard the MLP would not be different than vessels currently using the port, thus no significant impacts are expected from the use of the MLP at Mare Island. Radars on the MLP would radiate at the home port for system testing, calibration, and tracking of satellites. With the implementation of software controls and other operating parameters, there would be no radiation hazard area on the shore at the home port. Thus, no impacts are expected to the home port from using radars on the MLP.

5. Cumulative Impacts

Because the proposed activities would take place in the ocean, no major differences are expected to the cumulative impacts between ranges. There are no other known activities in the near shore environment or BOA that would contribute to cumulative impacts in the ocean, therefore this cumulative impact analysis focuses on the cumulative impacts of up to four test events per year. Proposed test events from the MLP in conjunction with other existing or planned activities would not be expected to produce cumulative impacts.

a. Cumulative Impacts From Missile Test Events

Missile launches are short-term, discrete events, allowing time between launches for emissions to be dispersed. Thus, no cumulative impacts would be

expected for air quality. Because the volume of air traffic using the ocean environment is within structured airspace with scheduling procedures in place for jet routes and warning and control areas, there would be no cumulative impacts to airspace. Use of spill prevention, containment, and control measures would prevent or minimize impacts to biological resources from spills of propellants. Noise impacts may elicit behavioral disturbance responses in wildlife; however, the addition of at most four missile launches per year would have no cumulative effects on biological resources. No cumulative impacts to geology and soils, hazardous materials and hazardous waste, health and safety, transportation and infrastructure, or water resources would result from the proposed action.

b. Cumulative Impacts From Sensor Test Events

In instances where two radars are used together, for example if the Mk-74 is given a vector to track a target by another radar, such as the TPS-X, no additional impacts would be expected since Mk-74 support equipment would be powered by the generators on the MLP and would not require the addition of supplemental generators. The EA considered the impacts of operating sensors singularly or in groups from the MLP. Power requirements for each sensor are discussed in the EA and may be modified by the test event sponsor based on the specific mission proposed. Therefore, the impacts from using two sensors on the MLP would be similar to those outlined below.

Sensor operating areas would be restricted to minimize impacts to aircraft operations. Standards developed by the FAA and DoD, which limit EMR interference to aircraft, would preclude the potential for cumulative impacts to airspace. EMR hazard zones and safety procedures would be established to provide safety to personnel aboard the MLP, and therefore there would be no cumulative impacts to health and safety.

No cumulative impacts to air quality, biological resources, geology and soils, noise, transportation and infrastructure or water resources would result from the proposed action. No cumulative impacts would result from hazardous materials or hazardous waste used or produced as a result of the proposed action. Operational noises would be limited to the generator used on the MLP and would not be different from current marine vessels; no cumulative noise impacts would be expected.

D. *Conclusion:* After analyzing the proposed action, the MDA has

concluded that there are no significant short-term or long-term effects to the environment or surrounding populations. After careful and thorough consideration of the facts herein, the MDA finds that the proposed Federal action is consistent with existing national environmental policies and objectives set forth in section 101(a) of NEPA and that it will not significantly affect the quality of the human environment or otherwise include any condition requiring consultation pursuant to section 102(2)(c) of NEPA. Therefore, an EIS for the proposed action is not required.

Dated: July 15, 2004.

L.M. Bynum,

Alternate OSD Federal Register Liaison Officer, Department of Defense.

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BILLING CODE 5001-06-M

DEPARTMENT OF DEFENSE

Office of the Secretary

List of Institutions of Higher Education Ineligible for Federal Funds

AGENCY: Department of Defense.

ACTION: Notice.

SUMMARY: This document is published to identify institutions of higher education that are ineligible for contracts and grants by reason of a determination by the Secretary of Defense that the institution prohibits or in effect prevents military recruiter access to the campus, students on campus or student directory information. It also implements the requirements set forth in section 983 of title 10, United States Code, and 32 CFR part 216. The institution of higher education so identified is: Vermont Law School, South Royalton, Vermont.

ADDRESSES: Director for Accession Policy, Office of the Under Secretary of Defense for Personnel and Readiness, 4000 Defense Pentagon, Washington, DC 20301-4000.

FOR FURTHER INFORMATION CONTACT: Commander Ronda J. Syring, (703) 695-5529.

Dated: July 16, 2004.

L.M. Bynum,

Alternate OSD Federal Register Liaison Officer, Department of Defense.

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DEPARTMENT OF ENERGY

Designation of National Interest Electric Transmission Bottlenecks (NIETB)

AGENCY: Office of Electric Transmission and Distribution, Department of Energy.

ACTION: Notice of inquiry and opportunity to comment.

SUMMARY: The Department of Energy (DOE) seeks comments on issues relating to the identification, designation and possible mitigation of National Interest Electric Transmission Bottlenecks (NIETB). This inquiry is DOE's initial step in seeking to identify and designate NIETBs. By publicly identifying and designating NIETBs, DOE will help mitigate transmission bottlenecks that are a significant barrier to the efficient operation of regional electricity markets, threaten the safe and reliable operation of the electric system, and/or impair national security. DOE seeks comments on the questions posed below and welcomes other pertinent comments or proposals.

DATES: Written comments are to be filed electronically by e-mailing to: bottleneck.comments@hq.doe.gov no later than 5 p.m. e.d.t. September 20, 2004. Comments can be filed at the address listed below.

ADDRESSES: Office of Electric Transmission and Distribution, TD-1, Attention: Transmission Bottleneck Comments, U.S. Department of Energy, Forrestal Building, Room 6H050, 1000 Independence Avenue, SW., Washington, DC 20585.

Note that U.S. Postal Service mail sent to DOE continues to be delayed by several weeks due to security screening. Electronic submission is therefore encouraged.

FOR FURTHER INFORMATION CONTACT: Mr. David Meyer, Office of Electric Transmission and Distribution, TD-1, U.S. Department of Energy, 1000 Independence Avenue, SW., Washington, DC 20585, (202) 586-1411, david.meyer@hq.doe.gov, or Lot Cooke, Office of General Counsel, GC-76, 1000 Independence Avenue, SW., Washington, DC 20585, (202) 586-0503, lot.cooke@hq.doe.gov.

SUPPLEMENTARY INFORMATION: The Nation's electric system includes over 150,000 miles of interconnected high-voltage transmission lines that link generators to load centers. The electric system has been built by electric utilities over a period of 100 years, primarily to serve local customers. Until recent years, electricity trade among electric utilities was modest. With the

advent of wholesale electricity markets, trade has increased exponentially, and utilities now shop for the lowest cost power from suppliers reachable through the transmission network. The increase in regional electricity trade saves electricity consumers billions of dollars, but it places significant additional loads on the transmission facilities over which this trade is conducted. Steady growth in demand for electricity also has contributed to the growth in demand for transmission service.

While transmission service has become more important economically and operationally, investment in new transmission facilities has not kept pace. Over the past 25 years, investment in new transmission facilities has significantly declined. Today, bottlenecks in the transmission system impede economically efficient electricity transactions and potentially threaten the safe and reliable operation of the transmission system. DOE estimates that these bottlenecks cost consumers several billions of dollars per year by forcing wholesale electricity purchasers to buy from higher-cost suppliers. This estimate does not include the reliability costs associated with such bottlenecks.

The *National Energy Policy (May 2001)*, the Department's *National Transmission Grid Study (May 2002)*, and the *Transmission Grid Solutions Report (September 2002)* issued by the Secretary's Electricity Advisory Board, recommend that the Department initiate a process to determine how to identify and designate transmission bottlenecks of national interest, as a first step toward mitigation of them.

Specifically, the Grid Study states:

Transmission bottlenecks affect national interests by increasing the cost of electricity to consumers and the risk of transmission system reliability problems in various regions throughout the United States. Relieving transmission bottlenecks is a regional issue. DOE will work in partnership with FERC, States, regions, and local communities to designate significant bottlenecks and take actions to ensure that they are addressed.

The report of the Electricity Advisory Board states:

We would urge the Secretary to develop the criteria and process for determining which existing bottlenecks should qualify for special status as "National Interest Transmission Bottlenecks" because the bottlenecks affect the reliability and security of the nation's electric grid. The DOE must work with State, regional and local government officials to encourage proposals from industry participants and to monitor progress toward elimination of designated bottlenecks.

The Electricity Advisory Board goes on to recommend that to be designated