

Transmittal No. 05-06**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 TOW-2A (Tube-Launched, Optical-Tracked, Wire-Guided) missile is a heavy anti-tank weapon system, consisting of a launcher and a missile. The gunner defines the aim point by maintaining the sight cross hairs on the target. The launcher automatically steers the missile along the line-of-sight toward the aim point via a pair of wires that physically link the missile and the launcher. The TOW-2A configuration is the only direct attack version of the TOW family of missiles capable of defeating modern threat targets. It consists of a single main warhead and a standoff probe. The probe contains a precursor charge that detonates upon contact with the target for pre-emptive removal of reactive armor. The main charge is detonated by a subsequent timed interval or by contact with the target.

2. The TOW-2A Weapon System hardware and documentation provided with this proposed sale are Unclassified. However, sensitive technology is contained within the system itself. This sensitivity is primarily in the software programs, which instruct the system how to operate in the presence of countermeasures. Programs are contained in the system in the form of microprocessors with only Read out Memory maps being available, which do not provide the software program itself. The overall hardware is also considered sensitive in that the modulation frequency and infrared wavelengths could be useful in attempted countermeasure development. The benefits to be derived from this proposed sale outweigh the potential damage that could result if sensitive technology were revealed to unauthorized persons.

3. If a technologically advanced adversary were to obtain knowledge of the specific hardware and software elements, 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 advanced capabilities.

[FR Doc. 04-27127 Filed 12-9-04; 8:45 am]

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DEPARTMENT OF DEFENSE**Office of the Secretary**

[Transmittal No. 05-09]

36(b)(1) Arms Sales Notification**AGENCY:** Department of Defense, Defense Security Cooperation Agency.**ACTION:** Notice.

SUMMARY: The Department of Defense is publishing the unclassified text of a section 36(b)(1) arms sales notification. This is published to fulfill the requirements of section 155 of Public Law 104-164 dated 21 July 1996.

FOR FURTHER INFORMATION CONTACT: Ms. J. Hurd, DSCA/OPS-ADMIN, (703) 604-6575.

The following is a copy of a letter to the Speaker of the House of Representatives, Transmittal 05-09 with attached transmittal, policy justification, and Sensitivity of Technology.

Dated: December 6, 2004.

Jeannette Owings-Ballard,
OSD Federal Register Liaison Officer,
Department of Defense.

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DEFENSE SECURITY COOPERATION AGENCY

WASHINGTON, DC 20301-2800

17 NOV 2004

In reply refer to:
I-04/011339

**The Honorable J. Dennis Hastert
Speaker of the House of Representatives
Washington, D.C. 20515-6501**

Dear Mr. Speaker:

Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 05-09, concerning the Department of the Army's proposed Letter(s) of Offer and Acceptance to United Arab Emirates for defense articles and services estimated to cost \$135 million. Soon after this letter is delivered to your office, we plan to notify the news media.

Sincerely,

A handwritten signature in black ink, reading "Richard J. Millies", is positioned above the printed name and title.

**Richard J. Millies
Deputy Director**

Enclosures:

- 1. Transmittal No. 05-09**
- 2. Policy Justification**
- 3. Sensitivity of Technology**

**Same ltr to: House Committee on International Relations
Senate Committee on Foreign Relations
House Committee on Armed Services
Senate Committee on Armed Services
House Committee on Appropriations
Senate Committee on Appropriations**

Transmittal No. 05-09

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

- (i) **Prospective Purchaser:** United Arab Emirates
- (ii) **Total Estimated Value:**
- | | |
|--------------------------|---------------------|
| Major Defense Equipment* | \$127 million |
| Other | \$ <u>8 million</u> |
| TOTAL | \$135 million |
- (iii) **Description and Quantity or Quantities of Articles or Services under Consideration for Purchase:** 1,000 JAVELIN anti-tank missile systems consisting of 100 JAVELIN command launch units and 1,000 JAVELIN missile rounds, simulators, trainers, support equipment, spare and repair parts, publications and technical data, personnel training and equipment, U.S. Government and contractor engineering and logistics personnel services, a Quality Assurance Team, and other related elements of logistics support.
- (iv) **Military Department:** Army (ZUB)
- (v) **Prior Related Cases, if any:** none
- (vi) **Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid:** none
- (vii) **Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold:** See Annex attached
- (viii) **Date Report Delivered to Congress:** 17 NOV 2004

* as defined in Section 47(6) of the Arms Export Control Act.

POLICY JUSTIFICATION

United Arab Emirates – JAVELIN Anti-tank Missile Systems

The Government of United Arab Emirates (UAE) has requested a possible sale of 1,000 JAVELIN anti-tank missile systems consisting of 100 JAVELIN command launch units and 1,000 JAVELIN missile rounds, simulators, trainers, support equipment, spare and repair parts, publications and technical data, personnel training and equipment, U.S. Government and contractor engineering and logistics personnel services, a Quality Assurance Team, and other related elements of logistics support. The estimated cost is \$135 million.

This proposed sale will contribute to the foreign policy and national security of the United States (U.S.) by helping to improve the security of a friendly country that has been and continues to be an important force for political stability and economic progress in the Middle East.

The UAE will use these JAVELIN anti-tank missile systems to enhance its direct fire capability for infantry, cavalry and commando units against armored vehicles, buildings and field fortifications. These systems will provide UAE with a strong man-portable, direct fire capability. United Arab Emirates will have no difficulty absorbing these systems into its armed forces.

The desert warfare missions of the infantry and light armored forces of the UAE require the protection afforded by the capabilities of the JAVELIN system. The UAE land forces are small, well-rounded forces that are multi-mission oriented. JAVELIN will provide the forces with a credible anti-armor defense that is critical to success in the open desert. The proposed sale of JAVELIN is consistent with the UAE's ongoing efforts to modernize its armed forces and the presence of the weapon in the land forces' inventory will provide yet another inroad for enhancing U.S. and UAE military interoperability.

The proposed sale of this equipment and support will not affect the basic military balance in the region.

The prime contractor will be JAVELIN Joint Venture (Raytheon and Lockheed Martin) of Orlando, Florida. There are no known offset agreements proposed in connection with this potential sale.

Implementation of this proposed sale will require the assignment of a U.S. Government Quality Assurance Team consisting of two U.S. Government and one contractor representatives to UAE for one week to assist in the delivery and deployment of the missiles.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

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1. The JAVELIN anti-tank missile system provides a man-portable, medium anti-tank capability to infantry, scouts, and combat engineers. JAVELIN is comprised of two major tactical components; a reusable Command Launch Unit (CLU) and a missile sealed in a disposable launch tube assembly. The CLU incorporates an integrated day/night sight and provides target engagement capability in adverse weather and countermeasure environments. The CLU may also be used in the stand-alone mode for battlefield surveillance and target detection. JAVELIN's key technical feature is the use of fire-and-forget technology that allows the gunner to fire and immediately take cover. Additional special features are the top attack and/or direct fire modes (for targets under cover), integrated day/night sight, advanced tandem warhead, imaging infrared seeker, target lock-on before launch, and soft launch from enclosures or covered fighting positions. If the software was compromised, it could result in a loss of sensitive technology, revealing the performance capabilities of the JAVELIN Missile System. Reverse engineering of the software would require a substantial effort. While the JAVELIN system is Unclassified, Secret disclosure is required in order to employ, operate, and train on the system.

2. If a technologically advanced adversary were to obtain knowledge of the specific hardware and software elements, 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 advanced capabilities.

[FR Doc. 04-27128 Filed 12-9-04; 8:45 am]
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DEPARTMENT OF DEFENSE**Office of the Secretary****Defense Science Board**

AGENCY: Department of Defense.

ACTION: Notice of Advisory Committee Meeting.

SUMMARY: The Defense Science Board Task Force on Force Protection in Urban and Unconventional Environments will

meet in closed session on December 14-16, 2004, at SAI, 3601 Wilson Boulevard, Arlington, VA. This Task Force will review and evaluate force protection capabilities in urban and unconventional environments and provide recommendations to effect change to the future Joint Force.

The mission of the Defense Science Board is to advise the Secretary of Defense and the Under Secretary of Defense for Acquisition, Technology & Logistics on scientific and technical matters as they affect the perceived needs of the Department of Defense. Specifically, the Task Force's foci will

be to evaluate force protection in the context of post major combat operations that have been conducted in Iraq and Afghanistan. In the operations, loss of national treasure—military and civilian, U.S. and other nations—has resulted from actions executed by non-state and rogue actors. The threat and capabilities these insurgent, terrorist and criminal actions present pose a most serious challenge to our ability to achieve unified action.

In accordance with Section 10(d) of the Federal Advisory Committee Act, Public Law 92-463, as amended (5 U.S.C. App. 2), it has been determined