

Transmittal No. 06-26

**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 Army's BLACK HAWK helicopter system and subsystem equipment (excluding BLACK HAWK systems and subsystem equipment for which the Utility Helicopter Program Office is not the proponent (e.g., MH-60L, M60D, ASE, etc.) is Unclassified.

2. The UH-60L BLACK HAWK helicopter will include the following classified or sensitive components:

a. The Avionics package included in the aircraft configuration contains: HDU-9100 or CDU-700, AN/ARC 210, AN/ARC 201E, and AN/ARC 220(V).

b. The AN/APR-39A(V)1 Radar Warning Receiver (RWR). This equipment receives and displays to the pilot or observer, information concerning the radar environment surrounding the aircraft. This Mission Data Set (MDS) is the classified database and reverse engineering is prohibited. This MDS is country peculiar and the RWR will not work without this piece. Technical manuals are not classified.

3. 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.

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DEPARTMENT OF DEFENSE

Office of the Secretary

[Transmittal No. 06-24]

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/DBO/ADM, (703) 604-6575.

The following is a copy of a letter to the Speaker of the House of Representatives, Transmittal 06-24 with attached transmittal, policy justification, and Sensitivity of Technology.

Dated: July 24, 2006.

C.R. Choate,

Alternate OSD Federal Register Liaison Officer, Department of Defense.

BILLING CODE 5001-06-M



DEFENSE SECURITY COOPERATION AGENCY

WASHINGTON, DC 20301-2800

21 JUL 2006
In reply refer to:
I-06/003308

**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. 06-24, concerning the Department of the Army's proposed Letter(s) of Offer and Acceptance to Bahrain for defense articles and services estimated to cost \$42 million. After this letter is delivered to your office, we plan to issue a press statement to notify the public of this proposed sale.

Sincerely,

A handwritten signature in cursive script that reads "Richard J. Millies".

Richard J. Millies
Deputy Director

Enclosures:

- 1. Transmittal**
- 2. Policy Justification**
- 3. Sensitivity of Technology**

Same ltr to:

House

**Committee on International Relations
Committee on Armed Services
Committee on Appropriations**

Senate

**Committee on Foreign Relations
Committee on Armed Services
Committee on Appropriations**

Transmittal No. 06-24

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

- (i) **Prospective Purchaser:** Bahrain
- (ii) **Total Estimated Value:**
- | | |
|--------------------------|---------------------|
| Major Defense Equipment* | \$35 million |
| Other | <u>\$ 7 million</u> |
| TOTAL | \$42 million |
- (iii) **Description and Quantity or Quantities of Articles or Services under Consideration for Purchase:** 180 JAVELIN missile rounds and 60 JAVELIN command launch units, 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 services, and other related elements of logistics support.
- (iv) **Military Department:** Army (UIT)
- (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:** 21 JUL 2006

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

POLICY JUSTIFICATION

Bahrain – JAVELIN Anti-tank Missile Systems

The Government of Bahrain has requested a possible sale of 180 JAVELIN missile rounds and 60 JAVELIN command launch units, 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 services, and other related elements of logistics support. The estimated cost is \$42 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 desert warfare missions of Bahrain's infantry and light armored forces require the protection afforded by the capabilities of the JAVELIN system. Bahrain's 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 Bahrain's ongoing efforts to modernize its armed forces and the presence of these weapon systems in the land forces' inventory will provide yet another inroad for enhancing interoperability between the U.S. and Bahraini military forces.

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

The prime contractor will be Raytheon/Lockheed-Martin JAVELIN Joint Venture in 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 Bahrain for one week to assist in the delivery and deployment of the missiles. Several U.S. Government and contractor representatives will travel to Bahrain for two-week intervals twice annually to participate in training, program management, and technical review.

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

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**Annex
Item No. vii**

(vii) Sensitivity of Technology:

1. The JAVELIN Weapon System hardware and the documentation provided with the proposed sale thereof is Unclassified. However, sensitive technology is contained within the system itself. This sensitivity is primarily in the software programs that instruct the system how to operate in the presence of countermeasures. The JAVELIN system provided to Bahrain is limited to the Block I Version 2 (8 series software) of the system.

2. 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 provides the interface between the operator and the missile. The CLU incorporates an integrated day/night sight and provides target engagement capability in adverse weather and countermeasure environments. The CLU's thermal sight is a second-generation Forward Looking Infrared (FLIR) sensor, operating in the 8 to 10 microns wavelength, and is a 240x2 scanning array integral with Dewar/Cooler unit. To facilitate initial loading and subsequent updating of software, all on-board missile software is uploaded via the CLU after mating and prior to launch. JAVELIN is Unclassified, however, information associated with the system is classified up to the Secret level.

3. The software programs contained in the JAVELIN Weapon System are in the form of microprocessors equipped with available Read Out Memory maps. However, the system does not allow access to the actual software program. The overall hardware is considered sensitive in that the modulation frequency and infrared wavelengths could be useful in attempted countermeasure developments.

4. If a technologically advanced adversary were to obtain knowledge of the specific hardware and software elements, the information could be used to develop countermeasures that might reduce weapon system effectiveness or be used in the development of a system with similar or advanced capabilities.