

Transmittal No. 09-27**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 MH-60S Multi-mission helicopter is designed to perform vertical replenishment, combat search and rescue, special warfare support and airborne mine countermeasures (AMCM) missions. The hardware consists of twin front-drive turbo shaft T700-GE-401C engines which supply power to the main and tail rotors, and power the electrical and hydraulic systems through the main transmission. The AMCM systems include the AN/AQS-20A Towed Sonar Mine Countermeasure system, AN/AES-1 Airborne Laser Mine Detection Systems, AN/ASQ-235 Airborne Mine Neutralization Systems, AN/ALQ-220 Organic Airborne and Surface Influence Sweep Systems, and the AN/AWS-2 Rapid Airborne Mine Clearance Systems. The possible sale of the MH-60S Multi-mission helicopters and associated sensors will result in the transfer of sensitivity technology and information, as well as classified and unclassified defense equipment and technical data. Some of the publications, tactical equipment performance specifications, operational capabilities, and vulnerability to countermeasures are classified Secret. The classified information that will be provided consists only of that necessary for Korea to operate, maintain, and overhaul the MH-60 airframe, T700-GE-401C engines, some of the installed avionics, and data management system software. Certain tactical systems will be returned for repair due to technology sensitivity. Tactical software source code, algorithms, and design data will not be released. The following classified components to be delivered are the aircraft data management system, tactical systems, and aircraft software. The highest classification is the Avionics Operational Program, which is classified Secret.

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 that might reduce weapon system effectiveness or be used in the development of a system with similar or advanced capabilities.

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DEPARTMENT OF DEFENSE**Office of the Secretary**

[Transmittal Nos. 09-14]

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. B. English, DSCA/DBO/CFM, (703) 601-3740.

The following is a copy of a letter to the Speaker of the House of Representatives, Transmittals 09-14 with attached transmittal, and policy justification.

Dated: July 30, 2009.

Patricia L. Toppings,
OSD Federal Register Liaison Officer,
Department of Defense.

BILLING CODE 5001-06-M

Transmittal No. 09-14**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* | \$ 51 million |
| Other | \$ <u>23 million</u> |
| TOTAL | \$ 74 million |
- (iii) **Description and Quantity or Quantities of Articles or Services under Consideration for Purchase:** 25 AIM-120C-7 Advanced Medium Range Air-to-Air Missiles (AMRAAM), missile containers, spare and repair parts, support and test equipment, publications and technical documentation, personnel training and training equipment, U.S. Government and contractor engineering, technical and logistics support services, and other related elements of logistical and program support.
- (iv) **Military Department:** Air Force (YAE)
- (v) **Prior Related Cases, if any:** FMS case YBI-\$69M-22Dec99
- (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:** JUL 27 2009

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

POLICY JUSTIFICATION**Bahrain – AIM-120C-7 AMRAAM Missiles**

The Government of Bahrain has requested a possible sale of 25 AIM-120C-7 Advanced Medium Range Air-to-Air Missiles (AMRAAM), missile containers, spare and repair parts, support and test equipment, publications and technical documentation, personnel training and training equipment, U.S. Government (USG) and contractor engineering, technical and logistics support services, and other related elements of logistical and program support. The estimated cost is \$74 million.

This proposed sale will contribute to the foreign policy and national security of the United States by helping to improve the security of a major non-NATO ally that has been, and continues to be, an important force for political stability and economic progress in the Middle East.

The proposed sale will improve Bahrain's capability to meet current and future threats of enemy air-to-air weapons. Bahrain will use the enhanced capability as a deterrent to regional threats and to strengthen its homeland defense.

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

The prime contractor will be Raytheon Missile Systems Corporation, Tucson, Arizona. There are no known offset agreements proposed in connection with this potential sale.

Implementation of this proposed sale will require bi-annual trips to Bahrain involving six (6) U.S. Government and four (4) contractor representatives for program management reviews over a period of up to 5 years.

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

Transmittal No. 09-14**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 AIM-120C-7 Advanced Medium Range Air-to-Air Missile (AMRAAM) is a new generation air-to-air missile. The AIM-120C-7 AMRAAM hardware, including the missile guidance section, is classified Confidential. State-of-the-art technology is used in the missile to provide it with unique beyond-visual-range capability. Significant AIM-120C-7 features include a target detection device with embedded electronic countermeasures, an electronics unit within the guidance section that performs all radar signal processing, mid-course and terminal guidance, flight control, target detection and warhead burst point determination. Anti-tampering security measures have been incorporated into the AIM-120C-7 to prevent exploitation of the AMRAAM software.

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.

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DEPARTMENT OF DEFENSE**Office of the Secretary****[Transmittal Nos. 09-24]****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. B. English, DSCA/DBO/CFM, (703) 601-3740.

The following is a copy of a letter to the Speaker of the House of Representatives, Transmittals 09-24 with attached transmittal and policy justification.

Dated: July 28, 2009.

Patricia L. Toppings,
OSD Federal Register Liaison Officer,
Department of Defense.

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