

## Transmittal No. 98-49

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

Annex  
Item No. vi

(vi) Sensitivity of Technology:

1. The HARPOON missile contains sensitive technology and has the following classified components, including applicable technical and equipment documentation and manuals:

- a. Guidance Section Components
- b. Missile Characteristics and Performance Data

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

3. This sale is necessary in furtherance of the U.S. foreign policy and national security objectives outlined in the Policy Justification. Moreover, the benefits to be derived from this sale, as outlined in the Policy Justification, outweigh the potential damage that could result if the sensitive technology were revealed to unauthorized persons.

[FR Doc. 98-18315 Filed 7-9-98; 8:45 am]  
BILLING CODE 5000-04-C

DEPARTMENT OF DEFENSE

Office of the Secretary

[Transmittal No. 98-44]

36(b)(1) Arms Sales Notification

AGENCY: Department of Defense, Defense Security Assistance 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 P.L. 104-164 dated 21 July 1996.

FOR FURTHER INFORMATION CONTACT:

Ms. J. Hurd, DSAA/COMPT/RM, (703) 604-6575

The following is a copy of a letter to the Speaker of the House of Representatives, Transmittal 98-44, with attached transmittal, policy justification and sensitivity of technology.

Dated: July 6, 1998.

**L.M. Bynum,**

*Alternate OSD Federal Register Liaison Officer, Department of Defense.*

BILLING CODE 5000-04-M



DEFENSE SECURITY ASSISTANCE AGENCY

WASHINGTON, DC 20301-2800

22 June 1998

In reply refer to:  
I-68290/98

Honorable Newt Gingrich  
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, we are forwarding herewith Transmittal No. 98-44, concerning the Department of the Army's proposed Letter(s) of Offer and Acceptance (LOA) to Singapore for defense articles and services estimated to cost \$620 million. Soon after this letter is delivered to your office, we plan to notify the news media.

Sincerely,

A handwritten signature in dark ink, appearing to read "MS Davison", is positioned above the typed name.

MICHAEL S. DAVISON, JR.  
LIEUTENANT GENERAL, USA  
DIRECTOR

Attachments

## Transmittal No. 98-44

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

- (i) Prospective Purchaser: Singapore
- (ii) Total Estimated Value:
- |                          |               |
|--------------------------|---------------|
| Major Defense Equipment* | \$220 million |
| Other                    | \$400 million |
| TOTAL                    | \$620 million |
- (iii) Description of Articles or Services Offered:  
Eight AH-64D APACHE attack helicopters (excluding AH-64D Longbow Fire Control Radar), 216 HELLFIRE II laser guided missiles (including 16 training and eight dummy missiles), four spare HELLFIRE launchers, two spare T-700-GE-701C engines, two spare Target Acquisition Designation Sight Systems, 9,120 Hydra-70 rockets, spare and repair parts, communications equipment, support equipment, tools and test sets, chaff dispensers, Integrated Helmet and Display Sight System, 30mm cartridges, electronic equipment test facility spares, publications, personnel training and training equipment, U.S. Government and contractor technical support and other related elements of logistics support.
- (iv) Military Department: Army (VAQ, VAS, BDB, and PEK)
- (v) Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid: none
- (vi) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold:  
See Annex attached.
- (vii) Date Report Delivered to Congress: 22 June 1998

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

POLICY JUSTIFICATION

Singapore - AH-64D APACHE Attack Helicopters

The Government of Singapore has requested the purchase of eight AH-64D APACHE attack helicopters(excluding AH-64D Longbow Fire Control Radar), 216 HELLFIRE II laser guided missiles (including 16 training and eight dummy missiles), four spare HELLFIRE launchers, two spare T-700-GE-701C engines, two spare Target Acquisition Designation Sight Systems, 9,120 Hydra-70 rockets, spare and repair parts, communications equipment, support equipment, tools and test sets, chaff dispensers, Integrated Helmet and Display Sight System, 30mm cartridges, electronic equipment test facility spares, publications, personnel training and training equipment, U.S. Government and contractor technical support and other related elements of logistics support. The estimated cost is \$620 million.

This notification does not contain the AH-64D Longbow Fire Control Radar. Any future sale of the Longbow Fire Control Radar to Singapore will be notified via 36(b)5 notification.

This proposed sale will contribute to the foreign policy and national security of the United States by helping to improve the security of a friendly country which has been and continues to be an important force for stability and economic progress in Southeast Asia.

Singapore desires these articles to fulfill their commitments to self-defense and self-reliance. The sale will contribute to our foreign policy and security objectives by providing a credible defensive capability to a key regional friend. Singapore will have no difficulty absorbing these helicopters into its armed forces.

The principal contractors are: Boeing-Mesa, Mesa, Arizona; Lockheed Martin Electronics and Missiles, Orlando, Florida; Lockheed Martin Federal Systems, Incorporated, Owego, New York; and General Electric, Lynn, Massachusetts. There are no proposed offset agreements related to this proposed sale.

Implementation of this proposed sale will not require the assignment of any additional U.S. Government personnel or contractor representatives to Singapore.

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

## Transmittal No. 98-44

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Annex  
Item No. vi

(vi) Sensitivity of Technology:

1. The AH-64D APACHE Attack Helicopter includes the following classified or sensitive components:

a. M130 Chaff-flare Dispenser - a multi-purpose system which dispenses decoys to confuse threat radar and missile IR seekers. Radar cross section and frequency coverage are sensitive elements. Hardware is Unclassified. Technical publications for authorized maintenance levels are Unclassified. Aircraft optimization is the critical element; reverse engineering is not a major concern.

b. AN/ALQ-144A(V)3 Infrared Countermeasure Set - an active, continuous operating, omni-directional, electrically fired infrared jammer system designed to confuse or decoy threat IR missile systems, in conjunction with low reflective paint and engine suppressors. Hardware is classified Confidential. Technical manuals for authorized maintenance levels are classified Secret. Reverse engineering and development of counter-countermeasures are concerns if the hardware and releasable technical data were compromised.

c. AN/APR-39A(V)1 Radar Warning Receiver - provides warning of a radar directed air defense threat to permit appropriate countermeasures. It is programmed with appropriate threat data. Hardware is classified Confidential. Technical manuals for the maintenance levels are classified Confidential. Technical performance data is classified Secret. Aircraft optimization is the critical element. Reverse engineering is not a major concern.

d. AN/ALQ-136(V)5 Radar Jammer Countermeasure Sets - an omni-directional radar jammer which provides protection against threat radar detecting devices. Equipment is programmed with appropriate threat data provided by purchasing country. Hardware is classified Confidential. Releasable technical manuals for the maintenance are classified Secret; releasable technical performance data is classified Secret. Technology involved in design, manufacturing and testing of the jammer is sensitive. Reverse engineering is a primary concern.

e. The Target Acquisition and Designation Sight/Pilot Night Vision Sensor (TADS/PNVS) with Optical Improvements (OIP)

system provides day, night, limited adverse weather target information, as well as night navigation capabilities. The PNVs provides thermal imaging that permits nap-of-the-earth flight to, from, and within the battle area, while TADS provides the co-pilot gunner with search, detection, recognition, and designation by means of Direct View Optics (DVO), television, and Forward Looking Infrared (FLIR) sighting systems that may be used singularly or in combinations. Hardware is Unclassified. Technical manuals for authorized maintenance levels are Unclassified. Reverse engineering is not a major concern.

f. The AGM-114 (K-3) HELLFIRE air-to-surface laser missile hardware and documentation are unclassified. Missile performance parameters and characteristics, including susceptibility to countermeasures, are classified up to Secret and considered very sensitive. Missile hardware is considered sensitive and knowledge of the warhead timing mechanism would be useful in development of countermeasures. Technology contained within the missile is sensitive and Unclassified. The sensitivity of the system is primarily in the software programs which enable the missile to operate in a countermeasures environment. Training, maintenance, operations and related documentation are unclassified and not considered sensitive.

2. This sale is consistent with the U.S. foreign policy and national security objectives outlined in the Policy Justification. Moreover, the benefits to be derived from this sale, as outlined in the Policy Justification, outweigh the potential damage that could result if the sensitive technology were revealed to unauthorized persons.

3. If a technologically advanced adversary were to obtain knowledge of the specific hardware in this 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 advanced capabilities.

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## DEPARTMENT OF DEFENSE

### Office of the Secretary; Membership of the Office of the Secretary of Defense Performance Review Board

AGENCY: Department of Defense.

ACTION: Notice.

This notice announces the appointment of the members of the Performance Review Board (PRB) of the Office of the Secretary of Defense, the Joint staff, the U.S. Mission to the North Atlantic Treaty Organization, the Defense Advance Research Projects Agency, the Defense Commissary Agency, the Defense Security Service, the Defense Security Assistance Agency,

the Ballistic Missile Defense Organization, the Defense Field Activities and the U.S. Court of Appeals of the Armed Forces. The publication of PRB membership is required by 5 U.S.C. 4314(c)(4).

The PRB provides fair and impartial review of Senior Executive Service performance appraisals and makes recommendations regarding performance ratings and performance awards to the Secretary of Defense.

EFFECTIVE DATE: July 1, 1998.

FOR FURTHER INFORMATION CONTACT: Christopher Koehle, Assistant Director for Staffing, Classification and Executive Resources, Directorate for Personnel and Security, Washington Headquarters Services, Office of the Secretary of Defense, Department of Defense, The Pentagon, (703) 588-0414.

SUPPLEMENTARY INFORMATION: In accordance with 5 U.S.C. 4314(c)(4), the following executives are appointed to the Office of the Secretary of Defense PRB: specific PRB panel assignments will be made from this group. Executives listed will serve a one-year renewable term, effective July 1, 1998.

### Office of the Secretary of Defense

#### Chairman

Robert R. Soule

#### Members

Julie Aviles  
Cindy Bogner  
James F. O'Bryon  
Frederic Celec  
Donald Dix  
Jim Dominy  
Robert Drake  
Michele Flourney  
Joseph Friedl