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**DEPARTMENT OF DEFENSE**

**Office of the Secretary**

[Transmittal Nos. 08-76]

**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 08-76 with attached transmittal, policy justification, and Sensitivity of Technology.

Dated: August 5, 2008.

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

**BILLING CODE 5001-06-M**



DEFENSE SECURITY COOPERATION AGENCY  
2800 DEFENSE PENTAGON  
WASHINGTON, DC 20301-2800

JUL 30 2008  
In reply refer to:  
USP008289-08

The Honorable Nancy Pelosi  
Speaker of the House of Representatives  
Washington, DC 20515-6501

Dear Madam 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. 08-76, concerning the Department of the Air Force's proposed Letter(s) of Offer and Acceptance to Israel for defense articles and services estimated to cost \$1.9 billion. 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 black ink, appearing to read "R. J. Millies".

Richard J. Millies  
Deputy Director

Enclosures:

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

Same ltr to:

House  
Committee on Foreign Affairs  
Committee on Armed Services  
Committee on Appropriations

Senate  
Committee on Foreign Relations  
Committee on Armed Services  
Committee on Appropriations

**Transmittal No. 08-76**

**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: Israel****(ii) Total Estimated Value:**

<b>Major Defense Equipment*</b>	<b>\$1.20 billion</b>
<b>Other</b>	<b><u>\$ .70 billion</u></b>
<b>TOTAL</b>	<b>\$1.90 billion</b>

**(iii) Description and Quantity or Quantities of Articles or Services under Consideration for Purchase:**

- 9 Lockheed Martin C-130J-30 United States Air Force (USAF) baseline aircraft including USAF baseline equipment and Block 7.0 Software**
- 6 Rolls Royce AE 2100D3 spare engines**
- 9 AN/AAR-47 Missile Warning Systems (includes three spares)**
- 9 AN/ALR-56M Advanced Radar Warning Receivers (includes three spares)**
- 9 AN/ALE-47 Counter-Measures Dispensing Systems (includes three spares)**
- 9 AN/AAQ-22 Star SAFIRE III Special Operations Suites (includes three spares)**
- 4 spare AN/ARC-210 Single Channel Ground and Airborne Radio Systems (SINCGARS)**
- 10 spare Secure Voice Very High Frequency/Ultra High Frequency Radios**
- 4 spare Secure Voice High Frequency Radios**
- 3 spare AN/AAR-222 SINCGARS and Key Gen(KV-10) Systems**
- 1 KIV-119 Non-standard Communication/COMSEC equipment**
- 2 ARC-210 Non-standard Communication/COMSEC equipment**
- 10 External Pylons and Fuel Tanks**
- 5 Internal Israeli Tank Modification Kits**

**Also included are spare and repair parts, configurations updates, communications security equipment and radios, integration studies, support equipment, aircraft ferry and tanker support, repair and return, publications and technical documentation, personnel training and training equipment, U.S. Government and contractor engineering and logistics personnel services, and other related elements of logistics support.**

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

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- (iv) **Military Department: Air Force (SAD)**
  - (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:**

**POLICY JUSTIFICATION****Israel – C-130J-30 Aircraft**

**The Government of Israel has requested a possible sale of**

- 9 Lockheed Martin C-130J-30 United States Air Force (USAF) baseline aircraft including USAF baseline equipment and Block 7.0 Software**
- 6 Rolls Royce AE 2100D3 spare engines**
- 9 AN/AAR-47 Missile Warning Systems (includes three spares)**
- 9 AN/ALR-56M Advanced Radar Warning Receivers (includes three spares)**
- 9 AN/ALE-47 Counter-Measures Dispensing Systems (includes three spares)**
- 9 AN/AAQ-22 Star SAFIRE III Special Operations Suites (includes three spares)**
- 4 spare AN/ARC-210 Single Channel Ground and Airborne Radio Systems (SINCGARS)**
- 10 spare Secure Voice Very High Frequency/Ultra High Frequency Radios**
- 4 spare Secure Voice High Frequency Radios**
- 3 spare AN/AAR-222 SINCGARS and Key Gen(KV-10) Systems**
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- 10 External Pylons and Fuel Tanks**
- 5 Internal Israeli Tank Modification Kits**

**Also included are spare and repair parts, configurations updates, communications security equipment and radios, integration studies, support equipment, aircraft ferry and tanker support, repair and return, publications and technical documentation, personnel training and training equipment, U.S. Government and contractor engineering and logistics personnel services, and other related elements of logistics support. The estimated cost is \$1.9 billion.**

**Israel's strategic position makes it vital to the United States' interests throughout the Middle East. Our policy has been to promote Middle East peace, support the Israeli commitment to peace with other regional Arab countries, enhance regional stability, and promote Israeli readiness and self-sufficiency. It is vital to the U.S. national interests to assist Israel to develop and maintain a strong and ready self-defense capability. This proposed sale is consistent with those objectives.**

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**The proposed sale will enhance the foreign policy and national security objectives of the U.S. by providing the Israeli Government with a credible special operations airlift capability that will deter aggression in the region, provide humanitarian airlift capability, and ensure interoperability with U.S. forces in coalition operations.**

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

**The principal contractor will be Lockheed Martin Aeronautics Company in Fort Worth, Texas. Offset agreements associated with this proposed sale are expected, but at this time the specific offset agreements are undetermined and will be defined in negotiations between the purchaser and contractors.**

**Implementation of this proposed sale will require multiple trips to Israel involving U.S. Government and contractor representatives for technical reviews, support, program management, and training 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. 08-76****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 C-130 Hercules aircraft primarily performs the tactical portion of the airlift mission. The aircraft is capable of operating from rough, dirt strips and is the prime transport for air dropping troops and equipment into hostile areas. The C-130 operates throughout the U.S. Air Force fulfilling a wide range of operational missions in both peace and war. The C-130J improvements over the C-130E include improved maximum speed, climb time, cruising altitude and range. The C-130J-30 has 55 feet of cargo compartment length - an additional 15 feet over the original "short" aircraft.

2. The AN/ALE-47 Countermeasures Dispensing System (CMDS) is an integrated, threat-adaptive, software-programmable dispensing system capable of dispensing chaff, flares, and active radio frequency expendables. The threats countered by the CMDS include radar-directed anti-aircraft artillery (AAA), radar command-guided missiles, radar homing guided missiles, and infrared (IR) guided missiles. The system is internally mounted and may be operated as a stand-alone system or may be integrated with other on-board early warning and avionics systems. The AN/ALE-47 uses threat data received over the aircraft interfaces to assess the threat situation and to determine a response. Expendable routines tailored to the immediate aircraft and threat environment may be dispensed using one of four operational modes. Hardware is Unclassified. Technical data and documentation to be provided is Unclassified.

3. The AN/AAR-47 Missile Warning System is a small, lightweight, passive, electro-optic, threat warning device used to detect surface-to-air missiles fired at helicopters and low-flying fixed-wing aircraft and automatically provide countermeasures, as well as audio and visual-sector warning messages to the aircrew. The basic system consists of multiple Optical Sensor Converter (OSC) units, a Computer Processor (CP) and a Control Indicator (CI). The set of OSC units, normally four, is mounted on the aircraft exterior to provide omni-directional protection. The OSC detects the rocket plume of missiles and sends appropriate signals to the CP for processing. The CP analyzes the data from each OSC and automatically deploys the appropriate countermeasures. The CP also contains

**comprehensive built-in test circuitry. The control indicator displays the incoming direction of the threat, so that the pilot can take appropriate action. Hardware is Unclassified. Technical data and documentation to be provided is Unclassified. Overall system classification is SECRET due to data that can be gleaned about vulnerabilities associated with the photomultiplier tube and false alarm rate. These vulnerabilities will be apparent to any user of the system. There will be no additional release of classified information beyond what has already been approved for release.**

**4. The AN/ALR-56M Advanced Radar Warning Receiver continuously detects and intercepts radio frequency signals in certain frequency ranges and analyzes and separates threat signals from non-threat signals. It contributes to full-dimensional protection by providing individual aircraft probability of survival through improved aircrew situational awareness of the radar-guided threat environment. The ALR-56M is designed to provide improved performance in a dense signal environment and improved detection of modern threats signals. Hardware is Unclassified. Technical data and documentation to be provided is Unclassified.**

**5. The AN/AAQ-22 Star SAFIRE III is a gyro-stabilized, multi-spectral Electro-Optical/Infrared (EO/IR) system configured to operate simultaneously in multiple bands including the visible, near-IR and mid-wave IR bands. The system consists of an externally mounted turret sensor unit and internally mounted central electronics unit and system control unit. Images will be displayed in the aircraft real-time, and recorded for subsequent ground analysis. Hardware is considered Unclassified. Technical data and documentation to be provided are considered Unclassified.**

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



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**Office of the Secretary**

[Transmittal Nos. 08-37]

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