



Billing Code: 5001-06

DEPARTMENT OF DEFENSE

Office of the Secretary

[Transmittal No. 19-70]

Arms Sales Notification

AGENCY: Defense Security Cooperation Agency, Department of Defense.

ACTION: Arms sales notice.

SUMMARY: The Department of Defense is publishing the unclassified text of an arms sales notification.

FOR FURTHER INFORMATION CONTACT: Karma Job at karma.d.job.civ@mail.mil or (703) 697-8976.

SUPPLEMENTARY INFORMATION: This 36(b)(1) arms sales notification is published to fulfill the requirements of section 155 of Public Law 104-164 dated July 21, 1996. The following is a copy of a letter to the Speaker of the House of Representatives, Transmittal 19-70 with attached Policy Justification and Sensitivity of Technology.

Dated: December 18, 2019.

Aaron T. Siegel,

Alternate OSD Federal Register Liaison Officer,

Department of Defense.



DEFENSE SECURITY COOPERATION AGENCY
201 12TH STREET SOUTH, SUITE 101
ARLINGTON, VA 22202-5408

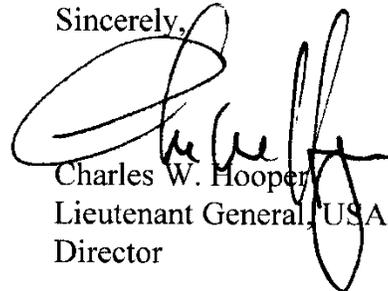
The Honorable Nancy Pelosi
Speaker of the House
U.S. House of Representatives
H-209, The Capitol
Washington, DC 20515

OCT 03 2019

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. 19-70 concerning the Army's proposed Letter(s) of Offer and Acceptance to the Government of Ukraine for defense articles and services estimated to cost \$39.2 million. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Hooper", written over the typed name and title.

Charles W. Hooper
Lieutenant General, USA
Director

Enclosures:

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

Transmittal No. 19-70

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: Government of Ukraine

(ii) Total Estimated Value: Major Defense

Equipment* Other	\$31.0 million
TOTAL	<u>\$ 8.2 million</u>
	\$39.2 million

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

Major Defense Equipment (MDE):

One hundred fifty (150) Javelin Missiles

Ten (10) Javelin Command Launch Units (CLU)

Non-MDE:

Also included are training devices, transportation, support equipment, technical data and publications, personnel training and training equipment, U.S. government, engineering, technical, and logistics support services, and other related elements of logistics support tools and test equipment; support equipment; publications and technical documentation; spare and repair parts; equipment training and training devices; U.S. Government and contractor technical, engineering and logistics support services; and other related elements of logistical, sustainment, and program support.

(iv) Military Department: Army (UP-B-UCJ)

(v) Prior Related Cases, if any: UP-B-UBT

(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 Attached Annex

(viii) Date Report Delivered to Congress: October 3, 2019

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

POLICY JUSTIFICATION

Ukraine - Javelin Missiles and Command Launch Units

The Government of Ukraine has requested to buy one hundred fifty (150) Javelin missiles and ten (10) Javelin Command Launch Units (CLUs). Also included are training devices, transportation, support equipment, technical data and publications, personnel training and training equipment, U.S. government, engineering, technical, and logistics support services, and other related elements of logistics support tools and test equipment; support equipment; publications and technical documentation; spare and repair parts; equipment training and training devices; U.S. Government and contractor technical, engineering and logistics support services; and other related elements of logistical, sustainment, and program support. The total estimated cost is not to exceed \$39.2 million.

This proposed sale will contribute to the foreign policy and national security of the United States by improving the security of Ukraine. The Javelin system will help Ukraine build its long-term defense capacity to defend its sovereignty and territorial integrity in order to meet its national defense requirements. Ukraine will have no difficulty absorbing this system into its armed forces.

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

The prime contractor for the Javelin Missile System is Raytheon Company, Waltham, MA. There are no known offset agreements proposed in conjunction with this potential sale.

Implementation of this proposed program will require additional contractor representatives to travel to Ukraine. It is not expected additional U.S. Government personnel will be required in country for an extended period of time.

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

Transmittal No. 19-70

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 Javelin Weapon System is a medium-range, man portable, shoulder-launched, fire and forget, anti-tank system for infantry, scouts, and combat engineers. The system weighs 49.5 pounds and has a maximum range in excess of 2,500 meters. The system is highly lethal against tanks and other systems with conventional and reactive armors. The system possesses a secondary capability against bunkers.

2. Javelin's key technical feature is the use of fire-and-forget technology which allows the gunner to fire and immediately relocate or take cover. Additional special features are the top attack and/or direct fire modes, an advanced tandem warhead and imaging infrared seeker, target lock-on before launch, and soft launch from enclosures or covered fighting positions. The Javelin missile also has a minimum smoke motor thus decreasing its detection on the battlefield.

3. The Javelin Weapon System is comprised of two major tactical components, which are a reusable Command Launch Unit (CLU) and a round contained in a disposable launch tube assembly. The CLU incorporates an integrated day-night sight that provides a target engagement capability in adverse weather and countermeasure environments. The CLU may also be used in a stand-alone mode for battlefield surveillance and target detection. The CLU's thermal sight is a second generation Forward Looking Infrared (FLIR) sensor operating in the 8-10 micron wavelength and has a 240 X 240 pixel scanning array with a Dewar-coolant unit.

4. The missile is autonomously guided to the target using an imaging infrared seeker and adaptive correlation tracking algorithms. This allows the gunner to take cover or reload and engage another target after firing a missile. The missile contains an infrared seeker with a 64 x 64 pixel element Mercury-Cadmium-Telluride (HgCdTE) Focal Plane Array (FPA) operating in the 8-10 micron wavelength. The missile has an advanced tandem warhead and can be used in either the top attack or direct fire modes (for target undercover). An onboard flight computer guides the missile to the selected target.

5. The Javelin Missile System hardware and the documentation are UNCLASSIFIED. The missile software which resides in the CLU is considered SENSITIVE. The sensitivity is primarily in the software programs which instruct the system how to operate in the presence of countermeasures. The overall hardware is also considered SENSITIVE in that the infrared wavelengths could be useful in attempted countermeasure development.

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

7. A determination has been made that Ukraine can provide substantially the same degree of protection for the sensitive technology being released as the U.S. Government. This proposed sale is necessary to further the U.S. foreign policy and national security objectives outlined in the Policy Justification.

8. All defense articles and services listed on this transmittal are authorized for release and export to the Government of Ukraine.

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