

additional two (2) Embedded Global Positioning System/Inertial Navigation System (GPS/INS) (EGI) with SAASM or M-code capability; and six (6) AN/APY-8 Lynx Synthetic Aperture Radar (SAR) and Ground Moving Target Indicator (GMTI) systems. Also included are Sierra Nevada Corporation (SNC) 4500 Electronic Intelligence (ELINT) Systems; Remotely Operated Video Enhanced Receiver (ROVER) 6Sx systems and Video Dissemination Links (VDL); Digital Datalink Encryptors; Automatic Information System Transponders; KOR-24A tactical airborne radios; and portable pre/post-flight equipment; as well as additional units of the following: MX-20 Multi-Spectral Targeting Systems; SeaVue Maritime Multi-Role patrol radars; SAGE 750 Electronic Surveillance Measures (ESM) systems; C-Band Line-of-Sight (LOS) ground data terminals; Honeywell TPE-331-10GD turboprop engines; M6000 UHF/VHF radios; cryptographic and IFF equipment; and Simple Key Loaders. This transmittal further notifies the following non-MDE items that were inadvertently omitted from the original notification: Due Regard Radars (DRR); and KY-100M narrowband/wideband cryptographic devices. The estimated total value of the additional items is \$152 million. The total estimated MDE value will increase by \$14 million to \$167 million. The estimated total case value will increase to \$752 million.

(iv) *Significance*: The proposed sale will improve the recipient's capability to meet current and future threats by providing timely Intelligence, Surveillance, and Reconnaissance (ISR), target acquisition, and counter-land, counter-sea, and anti-submarine strike capabilities for its security and defense.

(v) *Justification*: This proposed sale serves U.S. national, economic, and security interests by supporting the recipient's continuing efforts to modernize its armed forces and to maintain a credible defensive capability. The proposed sale will help improve the security of the recipient and assist in maintaining political stability, military balance, and economic progress in the region.

(vi) *Sensitivity of Technology*:

The Embedded Global Positioning System/Inertial Navigation System (GPS/INS) (EGI) with Selective Availability Anti-Spoofing Module (SAASM)—or M-Code receiver when available—and Precise Positioning Service (PPS) is a self-contained

navigation system that provides information on the following: acceleration, velocity, position, attitude, platform azimuth, magnetic and true heading, altitude, body angular rates, time tags, and coordinated universal time (UTC) synchronized time. SAASM or M-Code enables the GPS receiver access to the encrypted P(Y) code or M code signal, providing protection against active spoofing attacks.

The AN/APY-8 Lynx Synthetic Aperture Radar (SAR) and Ground Moving Target Indicator (GMTI) system provides all-weather surveillance, tracking and targeting for military and commercial customers from manned and unmanned vehicles.

The Due Regard Radar (DRR) is a collision avoidance air-to-air radar comprised of a two-panel Active Electronically Scanned Array (AESA) antenna and a Radar Electronics Assembly (REA) that give the UAS pilot the ability to detect and track aircraft across the same Field-of-View (FOV) as a manned aircraft. AESA technology allows the DRR to track multiple targets while simultaneously continuing to scan for new aircraft.

The KY-100Ms provide encryption to enable secure voice communications over the MQ-9B's radios.

The SNC 4500E ELINT system is used to detect, identify, and locate various radar emitters and provide the collected data to operational users for further analysis and exploitation.

The L3 Harris ROVER 6Sx/6Si transceiver provides real-time, full-motion video (FMV) and other network data for situational awareness, targeting, battle damage assessment, surveillance, relay, convoy over-watch operations and other situations where eyes-on-target are required. It provides expanded frequencies and additional processing resources from previous ROVER versions, allowing increased levels of collaboration and interoperability with numerous manned and unmanned airborne platforms.

The Automatic Identification System (AIS) Transponder provides the ability to track & identify AIS-equipped maritime vessels over VHF.

The Digital Datalink Encryptors provide NSA Type-1 encryption for each High Data Rate (HDR) datalink. The MQ-9B system utilizes multiple independent datalinks to provide communications between the Ground Control Station and the aircraft.

The KOR-24A Small Tactical Terminal (STT) is a two channel,

software defined, small form factor Link 16 radio. The STT provides high assurance secure communications.

The Portable Pre-flight/Post-flight Equipment (P3E) is used by the ground crew at the MQ-9B operating sites to interface with the aircraft for performing maintenance functions. The P3E is a ruggedized computer assembly that interfaces directly with the aircraft via a cable and provides functionality for conducting pre and post-flight checks, and to establish the aircraft on the SATCOM datalink for handover to the flight crew in the Ground Control Station.

The Sensitivity of Technology Statement contained in the original notification applies to additional items reported here.

The highest level of classification of defense articles, components, and services included in this potential sale is SECRET.

(vii) *Date Report Delivered to Congress*: June 8, 2023

[FR Doc. 2024-23112 Filed 10-4-24; 8:45 am]

**BILLING CODE 6001-FR-P**

## DEPARTMENT OF DEFENSE

### Office of the Secretary

[Transmittal No. 23-35]

#### Arms Sales Notification

**AGENCY**: Defense Security Cooperation Agency, Department of Defense (DoD).

**ACTION**: Arms sales notice.

**SUMMARY**: The DoD is publishing the unclassified text of an arms sales notification.

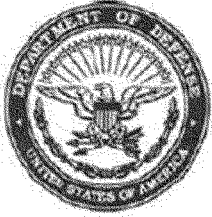
**FOR FURTHER INFORMATION CONTACT**: Pamela Young at (703) 953-6092, [pamela.a.young14.civ@mail.mil](mailto:pamela.a.young14.civ@mail.mil), or [dsca.ncr.rsrgmt.list.cns-mbx@mail.mil](mailto:dsca.ncr.rsrgmt.list.cns-mbx@mail.mil).

**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 with attached Transmittal 23-35, Policy Justification, and Sensitivity of Technology.

Dated: October 2, 2024.

**Aaron T. Siegel**,

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



**DEFENSE SECURITY COOPERATION AGENCY**  
2800 Defense Pentagon  
Washington, DC 20301-2800

May 24, 2023

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

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. 23-35, concerning the Army's proposed Letter(s) of Offer and Acceptance to the Government of Ukraine for defense articles and services estimated to cost \$285 million. We will issue a news release to notify the public of this proposed sale upon delivery of this letter to your office.

Sincerely,

James A. Hursch  
Director

**Enclosures:**

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

Transmittal No. 23-35

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 * ..	\$30 million
Other .....	\$255 million
<b>TOTAL .....</b>	<b>\$285 million</b>

*Funding Source:* National Funds.

(iii) *Description and Quantity or Quantities of Articles or Services under Consideration for Purchase:* The Government of Ukraine has requested to buy the National Advanced Surface-to-Air Missile System (NASAMS), that includes:

*Major Defense Equipment (MDE):*  
One (1) AN/MPQ-64F1 Sentinel Radar  
*Non-MDE:*

Also included are a Fire Distribution Center (FDC); canister launchers, secure communications, GPS receivers, code loaders, and cable sets; tool kits; test equipment; support equipment; prime movers; generators; technical documentation; spare parts; U.S. Government and contractor technical support; and other related elements of logistics and program support.

(iv) *Military Department: Army (JU–B–UAC)*

(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 Attached Annex*

(viii) *Date Report Delivered to Congress: May 24, 2023*

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

#### **POLICY JUSTIFICATION**

##### *Ukraine—National Advanced Surface-to-Air Missile System (NASAMS)*

The Government of Ukraine has requested to buy the National Advanced Surface-to-Air Missile System (NASAMS), that includes: one (1) AN/MPQ–64F1 Sentinel Radar. Also included are a Fire Distribution Center (FDC); canister launchers, secure communications, GPS receivers, code loaders, and cable sets; tool kits; test equipment; support equipment; prime movers; generators; technical documentation; spare parts; U.S. Government and contractor technical support; and other related elements of logistics and program support. The total estimated cost is \$285 million.

This proposed sale will support the foreign policy goals and national security objectives of the United States by improving the security of a partner country that is a force for political stability and economic progress in Europe.

Ukraine has an urgent need to increase its capabilities to defend against Russian missile strikes and aircraft. Acquiring and effectively deploying this capability will enhance Ukraine's ability to defend its people and protect critical national infrastructure.

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

The principal contractor will be Raytheon Missiles and Defense, Tucson, AZ. There are no known offset agreements proposed in connection with this potential sale.

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

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

Transmittal No. 23–35

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. National Advanced Surface-to-Air Missile System (NASAMS) Medium Range Air Defense System (MRADS) Description. This is a System of Systems (SOS) consisting of the Sentinel Radar, the Fire Distribution Center (FDC), the AIM–120 Advanced Medium Range Air-to-Air Missile (AMRAAM), the AIM–120 Extended Range Missile (AMRAAM–ER), and the AIM–9X Missile. The NASAMS MRADS is designed for mid-range air defense and can be deployed to engage fixed wing and rotary wing aircraft, cruise missiles, and unmanned aerial systems (UASs). The NASAMS MRADS is not a Program of Record (POR) for the U.S. Department of Defense, but the SOS architecture does consist of several PORs: the U.S. Army's AN/MPQ–64 Sentinel radar, the U.S. Air Force's AIM–120 AMRAAM missile, and the U.S. Navy's AIM–9X Missile. The NASAMS is comprised of both U.S.- and Norwegian-manufactured components. Norwegian components will be procured by the Raytheon Company. Norwegian involvement will be managed by Raytheon using export authorizations received from the U.S. Department of State.

2. NASAMS Fire Unit (FU). Consists of one fire distribution center (FDC); one AN/MPQ–64F1 surveillance, acquisition, and tracking radar; three truck-mounted Canister Launchers (LCHR); and the High Mobility Launcher (HML).

3. Fire Distribution Center (FDC). The command & control entity, FDC, is the major operator interface in NASAMS. It provides all command-and-control functionality necessary to effectively conduct Air Defense missions, both in a stand-alone configuration as well as in a netted configuration integrated with other units. The FDC interfaces and controls the AN/MPQ–64F1 Sentinel radar and the Canister and High Mobility Launchers. The FDC also interfaces (voice and data) to the national command and control structure.

4. AN/MPQ–64F1 Sentinel Radar. This is the organic mobile Air Defense acquisition and tracking sensor for the United States Army. Sentinel provides persistent air surveillance and fire control quality data through command-and-control systems to defeat UAS, cruise missiles, and fixed-wing and rotary-wing aircraft threats.

5. Canister Launcher (CLS). Purpose is to transport, aim, and fire the U.S. Air Force AMRAAM, AMRAAM–ER, and the U.S. Navy AIM–9X Sidewinder missiles. Under the remote control of the FDC, the launcher permits rapid launching of one or more missiles against single or multiple targets and can support 6 engagements simultaneously. The launcher provides 360-degree, all weather, day and night, missile launch capability.

6. The highest level of classification of defense articles, components, and services included in this potential sale is SECRET.

7. 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.

8. 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 sale is necessary in furtherance of the U.S. foreign policy and national security objectives outlined in the Policy Justification.

9. All defense articles and services listed in this transmittal have been authorized for release and export to the Government of Ukraine.

[FR Doc. 2024–23109 Filed 10–4–24; 8:45 am]

**BILLING CODE 6001–FR–P**

## **DEPARTMENT OF DEFENSE**

### **Office of the Secretary**

[Transmittal No. 23–01]

### **Arms Sales Notification**

**AGENCY:** Defense Security Cooperation Agency, Department of Defense (DoD).

**ACTION:** Arms sales notice.

**SUMMARY:** The DoD is publishing the unclassified text of an arms sales notification.

**FOR FURTHER INFORMATION CONTACT:** Pamela Young at (703) 953–6092, [pamela.a.young14.civ@mail.mil](mailto:pamela.a.young14.civ@mail.mil), or [dsca.ncr.rsrcmgmt.list.cns-mbx@mail.mil](mailto:dsca.ncr.rsrcmgmt.list.cns-mbx@mail.mil).

**SUPPLEMENTARY INFORMATION:** This 36(b)(5)(C) 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 with attached Transmittal 23–01.