

sales as defined by that statute. Upon such notification, the Congress has 30 calendar days during which the sale may be reviewed. The provision stipulates that, in the Senate, the notification of proposed sales shall be sent to the chairman of the Senate Foreign Relations Committee.

In keeping with the committee's intention to see that relevant information is available to the full Senate, I ask unanimous consent to have printed in the RECORD the notifications which have been received. If the cover letter references a classified annex, then such annex is available to all Senators in the office of the Foreign Relations Committee, room SD-423.

There being no objection, the material was ordered to be printed in the RECORD, as follows:

DEFENSE SECURITY
COOPERATION AGENCY,
Arlington, VA.

Hon. JAMES E. RISCH
Chairman, Committee on Foreign Relations,
U.S. Senate, Washington, DC.

DEAR MR. CHAIRMAN: Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 20-44 concerning the Army's proposed Letter(s) of Offer and Acceptance to the Government of Israel for defense articles and services estimated to cost \$3.0 billion. After this letter is delivered to your office, we plan to issue a new release to notify the public of this proposed sale.

Sincerely,

CHARLES W. HOOPER,
Lieutenant General, USA, Director.
Enclosures.

TRANSMITTAL NO 20-44

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 Israel.

(ii) Total Estimated Value:

Major Defense Equipment* \$0.

Other \$3.0 billion.

Total \$3.0 billion.

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

Major Defense Equipment (MDE):

None.

Non-MDE includes: Approximately 990 million gallons of Petroleum-based products, to include JP-8 Aviation Fuel, Diesel Fuel, and Unleaded Gasoline.

(iv) Military Department: Army (IS-B-ZMI, IS-B-ZMJ).

(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: None.

(viii) Date Report Delivered to Congress: July 6, 2020.

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

POLICY JUSTIFICATION

Israel—JP-8 Aviation Fuel, Diesel Fuel, and Unleaded Gasoline

The Government of Israel has requested to buy approximately 990 million gallons of Petroleum-based products, to include JP-8 Aviation Fuel, Diesel Fuel, and Unleaded Gasoline. The total estimated cost is \$3.0 billion.

The United States is committed to the security of Israel, and it is vital to U.S. na-

tional interests to assist Israel to develop and maintain a strong and ready self-defense capability. This proposed sale is consistent with those objectives.

The proposed sale of the JP-8 aviation fuel will enable Israel to maintain operational aircraft. Diesel fuel and unleaded gasoline will be used for ground vehicles. The proposed sale will improve Israel's ability to meet current and future threats in order to defend its borders.

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

U.S. vendors will be selected using a competitive bid process through Defense Logistics Agency Energy for supply source(s). 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 Israel.

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

ARMS SALES NOTIFICATION

Mr. RISCH, Mr. President, section 36(b) of the Arms Export Control Act requires that Congress receive prior notification of certain proposed arms sales as defined by that statute. Upon such notification, the Congress has 30 calendar days during which the sale may be reviewed. The provision stipulates that, in the Senate, the notification of proposed sales shall be sent to the chairman of the Senate Foreign Relations Committee.

In keeping with the committee's intention to see that relevant information is available to the full Senate, I ask unanimous consent to have printed in the RECORD the notifications which have been received. If the cover letter references a classified annex, then such annex is available to all Senators in the office of the Foreign Relations Committee, room SD-423.

There being no objection, the material was ordered to be printed in the RECORD, as follows:

DEFENSE SECURITY
COOPERATION AGENCY,
Arlington, VA.

Hon. JAMES E. RISCH,
Chairman, Committee on Foreign Relations,
U.S. Senate, Washington, DC.

DEAR MR. CHAIRMAN: Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 20-18 concerning the Air Force's proposed Letter(s) of Offer and Acceptance to the Government of Japan for defense article and services estimated to cost \$23.11 billion. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

CHARLES W. HOOPER,
Lieutenant General, USA, Director.
Enclosures.

TRANSMITTAL NO. 20-18

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 Japan.

(ii) Total Estimated Value:

Major Defense Equipment* \$11.30 billion.

Other \$11.81 billion.

Total \$23.11 billion.

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

Major Defense Equipment (MDE):

Sixty-three (63) F-35A Conventional Take-Off and Landing (CTOL) Aircraft.

Forty-two (42) F-35B Short Take-Off and Vertical Landing (STOVL) Aircraft.

One hundred ten (110) Pratt and Whitney F135 Engines (includes 5 spares).

Non-MDE: Also included are Electronic Warfare Systems; Command, Control, Communications, Computers and Intelligence/Communications, Navigation and Identification; Autonomic Logistics Global Support System, Autonomic Logistics Information System; Flight Mission Trainer; Weapons Employment Capability, and other Subsystems, Features, and Capabilities; F-35 unique infrared flares; reprogramming center access and F-35 Performance Based Logistics; software development/integration; flight test instrumentation; aircraft ferry and tanker support; spare and repair parts; support equipment, tools and test equipment; technical data and publications; 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 (JA-D-SGN).

(v) Prior Related Cases, if any: JA-D-SBC.

(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: July 9, 2020.

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

POLICY JUSTIFICATION

Japan—F-35 Joint Strike Fighter Aircraft

The Government of Japan has requested to buy sixty-three (63) F-35A Conventional Take-Off and Landing (CTOL) aircraft, forty-two (42) F-35B Short Take-Off and Vertical Landing (STOVL) aircraft, and one hundred ten (110) Pratt and Whitney F135 engines (includes 5 spares). Also included are Electronic Warfare Systems; Command, Control, Communications, Computers and Intelligence/Communications, Navigation and Identification; Autonomic Logistics Global Support System, Autonomic Logistics Information System; Flight Mission Trainer; Weapons Employment Capability, and other Subsystems, Features, and Capabilities; F-35 unique infrared flares; reprogramming center access and F-35 Performance Based Logistics; software development/integration; flight test instrumentation; aircraft ferry and tanker support; spare and repair parts; support equipment, tools and test equipment; technical data and publications; personnel training and training equipment; U.S. Government and contractor engineering, technical, and logistics support services; and other related elements of logistics support. The estimated total cost is \$23.11 billion.

This proposed sale will support the foreign policy goals and national security objectives of the United States by improving the security of a major ally that is a force for political stability and economic progress in the Asia-Pacific region. It is vital to U.S. national interest to assist Japan in developing and maintaining a strong and effective self-defense capability.

The proposed sale of aircraft and support will augment Japan's operational aircraft inventory and enhance its air-to-air and air-to-ground self-defense capability. The Japan

Air Self-Defense Force's F-4 aircraft are being decommissioned as F-35s are added to the inventory. Japan will have no difficulty absorbing these aircraft into its armed forces.

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

The prime contractors will be Lockheed Martin Aeronautics Company, Fort Worth, Texas; and Pratt and Whitney Military Engines, East Hartford, Connecticut. There are no known offset agreements proposed in connection with this potential sale.

Implementation of this proposed sale will require multiple trips to Japan involving U.S. Government and contractor representatives for technical reviews/support, programs management, and training over a period of 25 years. U.S. contractor representatives will be required in Japan to conduct Contractor Engineering Technical Services (CETS) and Autonomic Logistics and Global Support (ALGS) for after-aircraft delivery.

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

TRANSMITTAL NO. 20-18

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 F-35A Conventional Take Off and Landing (CTOL) aircraft is a single-seat, single-engine, all-weather, stealth, fifth-generation, multirole aircraft. The F-35B Short Take-Off and Vertical Landing (STOVL) variant is capable of operating from short airfields and ships. Both variants contain sensitive technology including the low observable airframe/outer mold line, the Pratt and Whitney F135 engine, AN/APG-81 radar, an integrated core processor central computer, a mission systems/electronic warfare suite, a multiple sensor suite, technical data/documentation, and associated software. Sensitive elements of the F-35A and F-35B are also included in operational flight and maintenance trainers. Sensitive and classified elements of the F-35A CTOL and F-35B STOVL aircraft include hardware, accessories, components, and associated software for the following major subsystems:

a. The Pratt and Whitney F135 engine is a single 40,000-lb thrust class engine designed for the F-35 and assures highly reliable, affordable performance. The engine is designed to be utilized in all F-35 variants, providing unmatched commonality and supportability throughout the worldwide base of F-35 users. The STOVL propulsion configuration consists of the main engine, diverterless supersonic inlet, a three (3) Bearing Swivel Module, Roll Posts and Duct Assembly System, and Lift Fan.

b. The AN/APG-81 Active Electronically Scanned Array (AESA) is a high processing power/high transmission power electronic array capable of detecting air and ground targets from a greater distance than mechanically scanned array radars. It also contains a synthetic aperture radar (SAR), which creates high-resolution ground maps and provides weather data to the pilot, and provides air and ground tracks to the mission system, which uses it as a component to fuse sensor data.

c. The Electro-Optical Targeting System (EOTS) provides long-range detection and tracking as well as an infrared search and track (IRST) and forward-looking infrared (FLIR) capability for precision tracking, weapons delivery, and bomb damage assessment (BDA). The EOTS replaces multiple separate internal or podded systems typically found on legacy aircraft.

d. The Electro-Optical Distributed Aperture System (EODAS) provides the pilot with full spherical coverage for air-to-air and air-to-ground threat awareness, day/night vision enhancements, a fire control capability, and precision tracking of wingmen/friendly aircraft. The EODAS provides data directly to the pilot's helmet as well as the mission system.

e. The Electronic Warfare (EW) system is a reprogrammable, integrated system that provides radar warning and electronic support measures (ESM) along with a fully integrated countermeasures (CM) system. The EW system is the primary subsystem used to enhance situational awareness, targeting support and self-defense through the search, intercept, location and identification of in-band emitters and to automatically counter IR and RF threats.

f. The Command, Control, Communications, Computers and Intelligence/Communications, Navigation, and Identification (C4I/CNI) system provides the pilot with unmatched connectivity to flight members, coalition forces, and the battlefield. It is an integrated subsystem designed to provide a broad spectrum of secure, anti-jam voice and data communications, precision radio navigation and landing capability, self-identification, beyond visual range target identification, and connectivity to off-board sources of information. It also includes an inertial navigation and global positioning system (GPS) for precise location information. The functionality is tightly integrated within the mission system to enhance efficiency.

g. The aircraft C4I/CNI system includes two data links, the Multi-Function Advanced Data Link (MADL) and Link 16. The MADL is designed specifically for the F-35 and allows for stealthy communications between F-35s. Link 16 data link equipment allows the F-35 to communicate with legacy aircraft using widely-distributed J-series message protocols.

h. The F-35 Autonomic Logistics Global Sustainment (ALGS) provides a fully integrated logistics management solution. ALGS integrates a number of functional areas, including supply chain management, repair, support equipment, engine support, and training. The ALGS infrastructure employs a state-of-the-art information system that provides real-time, decision-worthy information for sustainment decisions by flight line personnel. Prognostic health monitoring technology is integrated with the air system and is crucial to predictive maintenance of vital components.

i. The F-35 Autonomic Logistics Information System (ALIS) provides an intelligent information infrastructure that binds all the key concepts of ALGS into an effective support system. ALIS establishes the appropriate interfaces among the F-35 Air Vehicle, the warfighter, the training system, government information technology (IT) systems, and supporting commercial enterprise systems. Additionally, ALIS provides a comprehensive tool for data collection and analysis, decision support, and action tracking.

j. The F-35 Training System includes several training devices to provide integrated training for pilots and maintainers. The pilot training devices include a Full Mission Simulator (FMS) and Deployable Mission Rehearsal Trainer (DMRT). The maintainer training devices include an Aircraft Systems Maintenance Trainer (ASMT), Ejection System Maintenance Trainer (ESMT), Outer Mold Line (OML) Lab, Flexible Linear Shaped Charge (FLSC) Trainer, F135 Engine Module Trainer, and Weapons Loading Trainer (WLT). The F-35 Training System can be integrated, where both pilots and maintainers learn in the same Integrated Training

Center (ITC). Alternatively, the pilots and maintainers can train in separate facilities (Pilot Training Center and Maintenance Training Center).

k. Other subsystems, features, and capabilities include the F-35's low observable air frame, Integrated Core Processor (ICP) Central Computer, Helmet Mounted Display System (HMDS), Pilot Life Support System, Off-Board Mission Support (OMS) System, and publications/maintenance manuals. The HMDS provides a fully sunlight readable, binocular display presentation of aircraft information projected onto the pilot's helmet visor. The use of a night vision camera integrated into the helmet eliminates the need for separate Night Vision Goggles (NVG). The Pilot Life Support System provides a measure of Pilot Chemical, Biological, and Radiological Protection through use of an On-Board Oxygen Generating System (OBOGS); and an escape system that provides additional protection to the pilot. OBOGS takes the Power and Thermal Management System (PTMS) air and enriches it by removing gases (mainly nitrogen) by adsorption, thereby increasing the concentration of oxygen in the product gas and supplying breathable air to the pilot. The OMS provides a mission planning, mission briefing, and a maintenance/intelligence/tactical debriefing platform for the F-35.

2. The Reprogramming Center is located in the United States and provides F-35 customers a means to update F-35 electronic warfare databases.

3. The highest level of classification of information included in this potential sale is SECRET.

4. 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.

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

6. All defense articles and services listed in this transmittal have been authorized for release and export to Japan.

ARMS SALES NOTIFICATION

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