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By kempr on Jul 08, 2024

Department of Defense
OFFICE OF PREPUBLICATION AND SECURITY REVIEW



Modernized Selected Acquisition Report (MSAR) Joint Air-to-Surface Standoff Missile (JASSM)

FY 2025 President's Budget

Effective: December 31, 2023

Defense Acquisition Visibility Environment

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(U) Common DoD Abbreviations

\$B	Billions of Dollars
\$K	Thousands of Dollars
\$M	Millions of Dollars
ACAT	Acquisition Category
Acq O&M	Acquisition-Related Operations and Maintenance
ADM	Acquisition Decision Memorandum
APA	Additional Performance Attribute
APB	Acquisition Program Baseline
APPN	Appropriation
APUC	Average Procurement Unit Cost
BA	Budget Authority or Budget Activity
Blk	Block
BY	Base Year
CAE	Component Acquisition Executive
CAPE	Cost Assessment and Program Evaluation
CARD	Cost Analysis Requirements Description
CCE	Component Cost Estimate
CCP	Component Cost Position
CDD	Capability Development Document
CLIN	Contract Line Item Number
CPD	Capability Production Document
CY	Calendar Year or Constant Year
DAB	Defense Acquisition Board
DAE	Defense Acquisition Executive
DAES	Defense Acquisition Executive Summary
DAVE	Defense Acquisition Visibility Environment
DoD	Department of Defense
DSN	Defense Switched Network
EMD	Engineering and Manufacturing Development
EVM	Earned Value Management
FD	Full Deployment
FDD	Full-Deployment Decision
FMS	Foreign Military Sales
FOC	Full Operational Capability
FRP	Full-Rate Production
FY	Fiscal Year
FYDP	Future Years Defense Program
ICD	Initial Capabilities Document
ICE	Independent Cost Estimate
Inc	Increment
IOC	Initial Operational Capability
IT	Information Technology
JROC	Joint Requirements Oversight Council
KPP	Key Performance Parameter
KSA	Key System Attribute

LRIP	Low-Rate Initial Production
MDA	Milestone Decision Authority
MDAP	Major Defense Acquisition Program
MILCON	Military Construction
N/A	Not Applicable
O	Objective
O&M	Operations and Maintenance
O&S	Operating and Support
ORD	Operational Requirements Document
OSD	Office of the Secretary of Defense
PAUC	Program Acquisition Unit Cost
PB	President's Budget
PE	Program Element
PEO	Program Executive Officer
PM	Program Manager
POE	Program Office Estimate
R&MF	Revolving and Management Funds
RDT&E	Research, Development, Test, and Evaluation
SAR	Selected Acquisition Report
SCP	Service Cost Position
T	Threshold
TBD	To Be Determined
TY	Then Year
U.S.	United States
U.S.C	United States Code
UCR	Unit Cost Reporting
USD(A&S)	Under Secretary of Defense (Acquisition and Sustainment)

(U) Program Description

Full Name Joint Air-to-Surface Standoff Missile	Short Name JASSM
PNO 555	Milestone Decision Authority Component Acquisition Executive
Lead Component Department of the Air Force	Program Executive Office Armament Directorate (AFPEO/WP)
Joint Program Yes	Supporting Components Department of the Navy
Adaptive Acquisition Pathway Major Capability Acquisition	International Partners Australia, Finland, India, Japan, Poland
Acquisition Category IC	Acquisition Type Major Defense Acquisition Program
Acquisition Status Active Acquisition	Acquired Systems JASSM Baseline

Subprograms

Full Name	Short Name	Acquisition Status	Acquired Systems
JASSM-ER	JASSM-ER	Active Acquisition	JASSM ER
JASSM Baseline	JASSM Baseline	Sustainment (Full Capability)	JASSM Baseline

Mission

Introduction: JASSM ER is a next generation cruise missile enabling the USAF to destroy the enemy's war-sustaining capabilities from outside its area air defenses. It is a block upgrade to the precise, lethal, survivable, flexible, and adverse-weather capable JASSM. Like JASSM, this Block 2 missile's accuracy reduces the number of weapons and sorties required to destroy a target. **Mission:** Delivers advanced, long-range, precise air-launched weapon capabilities...at the speed of operational relevance.

Vision: Arm the forces to deter, defeat and win today and tomorrow.

Description: JASSM ER is a low observable, highly survivable, subsonic cruise missile w/turbo fan engine which carries a 1000-pound class, hardened, penetrating warhead with a robust blast fragmentation capability . The missile employs an IIR seeker system to attack fixed, point targets requiring precision targeting. The missile uses GPS/INS for mid-course navigation and as a backup for terminal guidance. JASSM ER has a 15-year warranty on its first two lots, a 15-year shelf life, weighs 2450 lbs., is 168 in. long, and is stored in a container. PEC: 27325F BPAC:674515/675356 CONOPS: JASSM ER employment will occur primarily in the early stages of conflict before air superiority is established, and in the later stages of conflict against high value targets remaining heavily defended. JASSM ER can also be employed in those cases where, due to rules of engagement/political constraints, high value, point targets must be attacked from international airspace. JASSM ER may be employed independently, or the missile

may be used as part of a composite package.

(U) Responsible Office**Program Executive Officer**

Armament Directorate (AFPEO/WP)
Brig Gen Jason E. Bartolomei
jason.bartolomei@us.af.mil (primary)
(850) 882-5422 (commercial)

Program Manager

Long Range Systems Division
Schuyler Smith
schuyler.smith@us.af.mil (primary)
(850) 883-5238 (commercial)

(U) Executive Summary

Program Highlights Since Last Report

Reporting on the JASSM baseline (AGM-158A) missile has been discontinued due to production cessation.

(U) History of Significant Developments Since Program Inception

No Data

JASSM-ER Subprogram

Program Highlights Since Last Report

Executive Summary DEC 2023 MSAR

Eleven JASSM Weapon System Evaluation Program missions were conducted using a mixture of AGM-158A and AGM-158B missiles from various B-1, B-52, F-16, F-15 platforms, and the first release of an F-15 EX.

At the close of calendar year 2023, AGM-158A materiel availability is 97.7% and the AGM-158B materiel availability is 99.2%.

The AGM-158B-2 resolves obsolescence, enhances software code from Ada to C++, upgrades to the Electronic Safe and Arm Fuze (ESAF), and upgrades the missile control unit (MCU). The AGM-158B-2 All-Up-Round Production Readiness Review (PRR) event was successful on December 13, 2023. This event continues to add confidence to ensure a successful cut in of Lot 19 production for 40 AGM-158B-2 missiles in calendar year 2024. AGM-158B-2 successfully completed the last two Flight Tests at White Sands Missile Range on March 26, 2024. These were the final flight tests to verify the final hardware and software configuration of the AGM-158B-2 extended range cruise missiles.

The ESAF testing under Director, Operational Test and Evaluation (DOT&E) / Live Fire Test & Evaluation (LFT&E) oversight completed its last flight test. Two more AGM-158B-2 Flight Tests were accomplished at White Sands Missile Range in calendar year 2023. The second AGM-158B-2's Flight Test (FT-2) was completed on April 24, 2023. This was the program's first AGM-158B-2 seeker enabled flight test with a live ESAF and warhead. The third AGM-158B-2 Flight Test (FT-3) was completed on July 31, 2023. This test event verified that the JASSM AGM-158B-2 hardware (MCU and JASSM Anti-Jam Global Positioning System (GPS) Receiver (JAGR) Selective Availability Anti-Spoofing Modules (-S) (JAGR-S)) V5 and software (Missile Operational Flight Programs (MOFP) 54.0.01) meet requirements for performance over the release and flight envelopes in a GPS Unreliable Environment.

The AGM-158B-3 JAGR-M (M-Code) GPS qualification testing was completed on August 4, 2023. All tests were deemed successful, and the units performed as required with no failures or

damage. The purpose of the qualification was to ensure verification of the Performance Functional Specification requirements by the JAGR-M assemblies and acquire Function Configuration Audit artifacts.

Phase 1 of the AGM-158D (JASSM-D) contract (program start through Critical Design Reviews (CDR) was awarded in June 2023 and will definitize in October 2024. The JASSM-D program completed both the Systems Requirements Review in May 2023 and the Preliminary Design Review in November 2023 using digital best practices (a first for the JASSM program). Progress on the sub-systems is on schedule with various sub-systems CDRs successfully completed. Specifically, the Small Form Factor Weapons Attributable Radio Multi-Mode (SWARMM) Family 2 radio CDR was held in November 2023. The program is addressing schedule impacts to Phase 2 (testing through PRR) due to radio delivery delays.

The AGM-158D program maintains full support from HAF/A5/7 and HQ/ACC, and the program office expects RDT&E funding disconnects to be resolved through the budget approval process. The program is scheduled to conduct CDR in FY 2024, a year earlier than originally scheduled. Additionally, the Program Office (PO) remains in communication with SAF/AQP, HAF/A5 and HAF/A8 regarding budget disconnects. This consistent teaming allows the program office to continue to remain aligned with providing the following capabilities to the warfighter receive in-flight updates and prosecute moving targets / time-sensitive targets at scale (Operational Imperative #3). Funding requirements have been briefed via a cost review board process resulting in an approved service cost position by SAF/FMC, since there are funding disconnects in FY 2026 - FY 2027. The JASSM program office and ACC are working together to resolve the funding disconnects in the next budget process.

Significant Developments or Changes Since the Last Report Production:

As of March 2024, the program office delivered 4,119 missiles (18 Lots) to the USAF. Lots 17 and 18 (AGM-158B) delivered 750 missiles to the warfighter and completed November 2023. Lots 19 and 20 are on contract to produce 925 AGM-158B and AGM 158B-2 missiles. Lot 19 (AGM-158B) has delivered 82 missiles. The JASSM production facility (P-72) in Troy, Alabama, started producing missiles with the pilot line (eight missiles) in Lot 17. LRIP began with Lot 18 in October 2022 at ten missiles per month for a total of 110, which completed in July 2023. Additionally, FRP will begin in 2nd Quarter FY 2024 at 45 missiles per month for a total of 540. This additional facility was built to increase capacity to meet the first Inventory Objective (IO) increase from 4,900 to 7,200 missiles.

Impending or Major contract awards or modifications:

The Lot 20 cut-in award is for 245 AGM-158B-2 missiles along with the ramp rate increase award to expand production to 720. The JASSM Program Office completed a contract modification to the Lot 20 contract, awarded in May 2022, for tooling, maintenance of the production facilities, and to purchase JAGR units used in AGM-158B-2. The Lot 21 production contract was awarded in May 2023 procuring 600 AGM-158B-2 missiles. The Multi Year Procurement Large Lot Procurement contract is expected to be awarded in 3rd Quarter FY 2024. Multi-Year Procurement/Large Lot Procurement contract includes five JASSM production lots (22-26) with a minimum buy of 550 AURs/Lot and up to a maximum buy of 810 AURs/Lot and four LRASM production lots (9-12) with a minimum buy of 120 AURs/Lot and up to a maximum buy of 240 AURs/Lot. JASSM and LRASM are buy to budget programs.

In April 2023, HAF A5 officially changed the JASSM IO with an additional quantity increase from 10,250 to 10,960 missiles. As a result of multiple increases, the program office worked with SAF/AQP and SAF/AQX to update the 2017 APB and the SAE signed APB Change 3 on September 29, 2023. The APB update incorporated cost data for the new IO that includes the AGM-158D missile insertion into the production line starting in Lot 22 in FY 2027.

Testing Status:

F-35/JASSM (all variants of F-35 and JASSM) Integration continues progressing. On August 2, 2021, the JASSM Program Office and F-35 Joint Program Office resumed planning to integrate JASSM on the F-35. JASSM test assets were purchased in Calendar Year 2023 (quantity of 12) for flight testing to start in Calendar Year 2025.

Three MOFPs are continually updated to provide increased capability to the currently fielded versions of JASSM-BL (AGM-158A) and JASSM-ER (AGM-158B). M2 is the most recent software-based capability upgrade in development for the AGM-158B fleet. A Flying Test Bed was completed in December 2023 in preparation for a high-profile demonstration in July 2024. In addition to the legacy MOFPs, a new MOFP is in development to support the AGM-158B-2 and future JASSM-ER variants. Finally, JASSM's unique mission planning software and enterprise software employ an agile software development structure to keep pace with and utilize improvements in the JASSM/JASSM-ER MOFPs and provide post-strike analysis.

Defense Cost and Resource Center Cost and Software Data Reporting Compliance Rating: Yellow (As of March 12, 2004)

NOTE: As noted, this report was dated March 12. Since then several delinquent reports have been submitted so now all that is remaining are two sub reports (Williams International) both being 48 days overdue. This would also result in a Green Advisory rating. As mentioned above a Readiness Review was recently held with Williams.

(U) History of Significant Developments Since Program Inception

Date	Description
November 2023	JASSM Lot 18 (390 JASSM-ER AGM-158B) delivery completed.
October 2023	JASSM Lot 17 (360 JASSM-ER AGM-158B) delivery completed.
July 2023	100th missile produced from P-72 facility in Troy, AL completing Low Rate Initial Production (LRIP).
June 2023	AGM-158D Undefinitized Contract Award (UCA).
May 2023	Awarded JASSM-ER Lot 21 for 600 AGM-158B-2s, largest lot buy in JASSM history.
October 2022	New Troy P-72 production facility validation completed and Low-Rate Initial Production (LRIP) began for AGM-158B. The increase in production rate made the new facility necessary (Troy, Alabama).
July 2022	Lot 19 AGM-158B-2 production cut-in awarded.
May 2022	Electronic Safe and Arm Fuze (ESAF) production cut-in contract awarded for AGM-158B & AGM-158B-2.
October 2021	Construction and security accreditation of the new JASSM production facility in Troy, Alabama completed.
December 2020	A JASSM Separation Test Vehicle (no engine installed) was successfully released from an external hard point on the B-1 bomber during a demonstration at White Sands Missile

Date	Description
	Range.
September 2020	JASSM Lot 15 which was 360 JASSM-ER's (AGM-158B) delivery completed.
January 2020	JASSM submitted a Program Deviation Report for an RDT&E breach due to investment in improved warfighter capabilities for the JASSM AGM-158B-2 variant.
October 2019	JASSM successfully employed against ISIS in Syria.
August 2019	Lot 14 US missile production completed: 100 BL (AGM-158A) and 240 extended range missiles (AGM-158B). This was LOT 14 combined production of BL and ER missiles.
April 2018	The first operational expenditure of JASSM-BL occurred on April 14, 2018. All 19 missiles launched successfully and engaged their intended target.

JASSM Baseline Subprogram

No Data

(U) Schedule**JASSM-ER Subprogram**

(U) Schedule Events

Events		Production APB (Milestone) 4/4/2011 Objective	Admin Production Chg 4 (Current) 9/29/2023 Objective / Threshold		Current Estimate 12/31/2023	Actual
JASSM-ER AA/B1-B	IOC	Apr 2013	Dec 2014	Dec 2014	-	2 Dec 2014
JASSM-ER FRP	FRP Decision	Dec 2013	Nov 2014	Nov 2014	-	8 Sept 2014
JASSM-ER LRIP Contract Award (2)	LRIP Decision	Jan 2011	Apr 2011	Apr 2011	-	10 Jan 2011
JASSM-ER MS C (2)	MS C	Sept 2010	Jan 2011	Jan 2011	-	10 Jan 2011

Notes

None

Schedule Baseline Deviation Explanation

None

(U) Current Significant Schedule Risks and Risks Identified at Milestones/Decisions

Event	Date	Description
Current	12/31/2023	There are no schedule risks at this time.

JASSM Baseline Subprogram

No Data

(U) Performance

(U) JASSM-ER Subprogram

(U) Performance Attributes

Net-Ready (CPD para 6.1.3)		KPP
Current Estimate 12/31/2023		All Operations
Demonstrated Performance -		All Operations
Admin Production Chg 4 (Current) 9/29/2023	Objective	All Operations
	Threshold	Joint Critical Operations
Production APB (Milestone) 4/4/2011	Objective	All Ops
Missile Reliability (CPD para 6.2.8)		KSA
Current Estimate 12/31/2023		JASSM-BL: 94% JASSM-ER: 90%
Demonstrated Performance 3/29/2024		JASSM-BL: 93%. The significant improvement with Baseline is due to updated reliability calculations from additional flight test events since December 2022 SAR. JASSM-ER: 89%.
Admin Production Chg 4 (Current) 9/29/2023	Objective	4th Lot .91
	Threshold	IOT&E .80 4th Lot .85
Production APB (Milestone) 4/4/2011	Objective	4th Lot. 91
Materiel Availability (CPD Para 6.1.5)		KPP
Current Estimate 12/31/2023		JASSM-ER: 99.4
Demonstrated Performance 2/29/2024		JASSM-ER: 99.2
Admin Production Chg 4 (Current) 9/29/2023	Objective	.98
	Threshold	.95
Production APB (Milestone) 4/4/2011	Objective	.98

(U) Requirement Source:

Sponsor(s): United States Air Force

1. Capability Production Document, *AGM-158B/B-2*

Validated By: Joint Requirements Oversight Council, April 16, 2010

Notes: The capability requirements for AGM-158B are identical to AGM-158A. AGM-158A requirements are provided in the Operational Requirements Document (ORD) dated January 20, 2004.

Notes

Availability JASSM-ER (AGM-158B) Missile Availability Current Estimate changed from 88% to 99.4% due to the Permanent Magnet Generator wire harness issue being resolved.

Reliability JASSM-ER Demonstrated Performance changed from 93% in December 2022 to 89% in March 2024. Changes are due to updated reliability calculations from additional flight test events since December 2022 SAR.

The Williams International engine supplier identified a wiring issue due to faulty wire stripping/crimping from a new operator since July 2021. 239 missiles had been accepted before the issue was identified. Corrective actions were made to the engine supplier manufacturing processes, and Lockheed Martin started collecting data to support a risk assessment to retain the 239 suspect missiles in inventory. The team initially tested 17 available engines. The post-testing results showed wire integrity and good continuity. Lockheed Martin submitted a risk assessment concluding there is very low risk in keeping the missiles in inventory as fully operational weapons.

However, the program office, Air Combat Command (ACC), Navy, and Headquarters Air Force A5 evaluated an executable risk reduction mitigation path, which included increasing the testing sample size and providing higher confidence in the risk assessment. Lockheed Martin inspected and repaired 30 additional missiles for a total of 47 assets analyzed. In September 2023, the program office reviewed and concurred with Lockheed Martin's low risk assessment and declared the wire harness issue resolved and coordination efforts through ACC began to return all effected missiles back to fully operational condition.

Performance Deviation Explanation

None

(U) JASSM Baseline Subprogram

No Data

(U) Acquisition Budget Estimate

(U) JASSM-ER Subprogram

(U) Total Acquisition Estimates and Quantities

Category (\$M) Base Year: 2010	Production APB (Milestone) 4/4/2011 CY\$ obs Objective	Admin Production Chg 4 (Current) 9/29/2023 CY\$ obs Objective / Threshold		Current Estimate PB 2025 CY\$ obs / TY\$ obs	
RDT&E	265.5	1,080.6	1,188.7	1,026.0	1,336.1
Procurement	3,366.1	13,276.9	14,604.6	14,233.8	22,585.3
MILCON	0.0	0.0	0.0	-	-
O&M	0.0	0.0	0.0	-	-
R&MF	-	0.0	0.0	-	-
Total Acquisition	3,631.6	14,357.5	-	15,259.8	23,921.3
Program Acquisition Unit Cost	1.435	1.296	1.426	1.186	1.858
Average Procurement Unit Cost	1.346	1.204	1.324	1.110	1.761
Program End-Item Quantity					
Development	31	50		50	
Procurement	2500	11027		12822	
O&M-Acquired	-	-		-	

Budget Notes

None

Quantity Notes

Quantities assume Inventory Objective (IO) from Munitions IO Memo dated April 24, 2023. Cost Estimate considers attrition of fielded missiles when calculating when IO is met.

Cost Baseline Deviation Explanation

None

(U) Risk and Sensitivity Analysis

Current Procurement Estimate Risks (12/31/2023)	
1	There are no known risks associated with our program at this time.
Current Baseline Risks (9/29/2023)	

Specific areas of uncertainty/risk include flight tests for AGM-158B-2; redesign and qualification of existing components as a result of the AGM-158D; GFE from Department of the Navy and schedule phasing of AGM-158D.
Original Baseline Risks (4/4/2011)
None

(U) JASSM Baseline Subprogram

(U) Total Acquisition Estimates and Quantities

No Data

Budget Notes

None

Quantity Notes

None

Cost Baseline Deviation Explanation

None

(U) Risk and Sensitivity Analysis

Current Procurement Estimate Risks (12/31/2023)
None
Revised Original Baseline Risks (4/4/2011)
None

(U) Unit Costs

(U) JASSM-ER Subprogram

(U) Current Estimate Compared with Current Baseline

Category (CY\$M) Base Year: 2010	Current Baseline 09/29/2023	Current Estimate PB 2025	% Change
Program Acquisition Unit Cost			
Acquisition Cost	14,357.5	15,259.8	
Program Quantity	11,077	12,872	
PAUC	1.296	1.186	-8.54%
Average Procurement Unit Cost			
Procurement Cost	13,276.9	14,233.8	
Procurement Quantity	11,027	12,822	
APUC	1.204	1.110	-7.80%

(U) Current Estimate Compared with Original Baseline

Category (CY\$M) Base Year: 2010	Original Baseline 04/04/2011	Current Estimate PB 2025	% Change
Program Acquisition Unit Cost			
Acquisition Cost	3,631.6	15,259.8	
Program Quantity	2,531	12,872	
PAUC	1.435	1.186	-17.39%
Average Procurement Unit Cost			
Procurement Cost	3,366.1	14,233.8	
Procurement Quantity	2,500	12,822	
APUC	1.346	1.110	-17.53%

Notes

Cost Estimate is based on constrained FY 2025 PB budget and a To-Complete estimate.

(U) JASSM Baseline Subprogram

No Data

(U) Life-Cycle Costs

(U) JASSM-ER Subprogram

(U) Operating and Support and Disposal Cost Estimates Compared with Baseline

Category (\$M)	Base Year: 2010	Production APB (Milestone) 4/4/2011 CY\$ obs Objective	Admin Production Chg 4 (Current) 9/29/2023 CY\$ obs Objective / Threshold		Current Estimate CY\$ obs / TY\$ obs	
Total O&S		658.5	2,296.5	2,526.2	2,032.8	4,390.6
Total Disposal		-	89.5	-	75.6	185.8

(U) Current Cost Estimate Sources

Operating and Support Cost

Type: Component Cost Estimate

Approved by: AFCAA, February 07, 2023

Disposal/Demilitarization Cost

Type: Component Cost Estimate

Approved by: AFCAA, February 07, 2023

Operating and Support Baseline Deviation Explanation

None

Cost Notes

None

(U) Operating and Support Variance with Prior Estimate

No Data

(U) Operating and Support Cost Element Structure Estimates by Acquired System

(CY\$M) Base Year: 2010							
System	Unit-Level Manpower	Unit Operations	Maintenance	Sustaining Support	Continuing System Improvements	Other	Total
JASSM ER	131.3	-	285.1	699.1	917.2	-	2,032.8
Program	131.3	-	285.1	699.1	917.2	-	2,032.8

(U) Annual Operating and Support Costs per Unit Compared with Antecedent System

(CY\$M) Base Year: 2010							
System	Unit-Level Manpower	Unit Operations	Maintenance	Sustaining Support	Continuing System Improvements	Other	Total
JASSM ER	0.0	-	0.0	0.0	0.0	-	0.1

(U) Operating and Support Cost Estimate Assumptions

System	Quantity to Sustain	Unit Expected Service Life (Years)	Unit of Measure	Fiscal Years Operational
JASSM ER	11,027	20.0	Missile	2013 - 2060

Additional O&S Estimate Assumptions

None

Antecedent Estimate Assumptions

None

O&S Annual Cost Calculation Memo

Annual Operating Cost was calculated by dividing the total costs by the missile quantity to sustain and then dividing by the missile lifespan (20 Years).

(U) JASSM Baseline Subprogram

 No Data

(U) Technologies and Systems Engineering

(U) JASSM-ER Subprogram

(U) Current Significant Technical Risks and Risks Identified at Milestones/Decisions

Event	Date	Description
Current	12/31/2023	No known risks at this time.

(U) JASSM Baseline Subprogram

No Data

(U) Performing Activities and Contracts**(U) JASSM-ER Subprogram****(U) External Government Activities**

None

(U) Contracts and Efforts

Contract Title	Contract Number / Effort	Contractor	Phase
JASSM Production (Lot 19 and Lot 20)	FA868221C0001 / FA868221C0001	Lockheed Martin Missile and Fire Control	Production
JASSM Production (Lot 21)	FA868223CB001 / FA868223CB001	Lockheed Martin: Missiles & Fire Control	Production
JASSM Production (Lots 17 and 18)	FA868220C0001 / FA868220C0001	Lockheed Martin Missile and Fire Control	Production

(U) Contract and Effort Identification, Price, Quantity and Performance

Contract Number:	FA868221C0001	Order Number:	-
Contract Title:	JASSM Production (Lot 19 and Lot 20)	Strategy:	FAR 15: Negotiated Contracts
CAGE:	04939 - Lockheed Martin Missile and Fire Control	Contracting Office:	Pam Bishard
City, State/Province:	Orlando, FL		
Effort Number:	FA868221C0001	Supported Phase:	Production
Type:	Firm-Fixed-Price	Award Date:	February 22, 2021
Latest Modification Date:	July 28, 2022	Definitization Date:	February 22, 2021
Latest Modification No.:	P00020	Work Start Date:	-
Technical Data Rights:	-		

Notes: The difference between the Initial and Current Target Price are because P00020 increased the price of Lot 19 Missiles to \$446.6M and P00014 increased Lot 20 to \$543.6M for a total contract price of \$990.2M. See below P000XX for more specifics.

JASSM-ER Lot 19 was awarded on February 22, 2021, which included JASSM-ER procurement of 400 missiles for the USAF. On July 28, 2022, contract modification P00020 awarded 40 missiles for Lot 19 to procure the AGM-158B-2 specific hardware, labor, tooling, and testing equipment to convert 40 AGM-158Bs into 40 AGM-158B-2s.

Lot 20 award of 94 AUR JASSM-ER Production Missiles on November 4, 2021, Modification P00007. Lot 20 award of additional 123 AUR JASSM-ER Production Missiles on February 25, 2022, Modification P00013. Lot 20 award of additional 308 AUR JASSM-ER Production Missiles on March 17, 2022, Modification P00014. On May 19, 2023, contract modification P00030 awarded 245 missiles for Lot 20 to procure the

AGM-158B-2 specific hardware, labor, tooling, and testing equipment to convert 245 AGM-158Bs into 245 AGM-158B-2s. Additionally, this effort will update the Performance Based Payments for Lot 20 and add the NAMMO Qualification effort.

On July 28, 2022, Lot 19 contract modification P00020 awarded 40 down counted AUR JASSM-ER Production Missiles as AUR JASSM B-2 Production Missiles with increased capability for an additional \$18.2M for a total value of \$446.6M. Lot 20 was awarded with a quantity of 525 on P00014 for a total value of \$543.6M. Additionally, as of March 2024, 82 AGM-158B missiles have been delivered for Lot 19 with a PoP of January 2025.

Initial Price (TY\$M) Target / Ceiling	Current Price (TY\$M) Target / Ceiling	Estimate at Completion (TY\$M) Contractor / PM	Initial Quantity	Current Quantity	Delivered Quantity
428.4 -	990.2 -	- 990.2	400	925	82

(U) Contract and Effort Identification, Price, Quantity and Performance

Contract Number:	FA868223CB001	Order Number:	-
Contract Title:	JASSM Production (Lot 21)	Strategy:	FAR 15: Negotiated Contracts
CAGE:	04939 - Lockheed Martin: Missiles & Fire Control	Contracting Office:	Pam Bishard
City, State/Province:	Orlando, FL		
Effort Number:	FA868223CB001	Supported Phase:	Production
Type:	Firm-Fixed-Price	Award Date:	May 18, 2023
Latest Modification Date:	-	Definitization Date:	May 18, 2023
Latest Modification No.:	N/A	Work Start Date:	-
Technical Data Rights:	-		
Notes:	The contract remains in effect without any amendments as of March 2024.		

Initial Price (TY\$M) Target / Ceiling	Current Price (TY\$M) Target / Ceiling	Estimate at Completion (TY\$M) Contractor / PM	Initial Quantity	Current Quantity	Delivered Quantity
726.0 -	726.0 -	- 726.0	600	600	-

(U) Contract and Effort Identification, Price, Quantity and Performance

Contract Number:	FA868220C0001	Order Number:	-
Contract Title:	JASSM Production (Lots 17 and 18)	Strategy:	FAR 15: Negotiated Contracts
CAGE:	04939 - Lockheed Martin Missile and Fire Control	Contracting Office:	Pam Bishard
City, State/Province:	Orlando, FL		
Effort Number:	FA868220C0001	Supported Phase:	Production
Type:	Firm-Fixed-Price	Award Date:	March 31, 2020
Latest Modification Date:	-	Definitization Date:	March 31, 2020
Latest Modification No.:	P00006	Work Start Date:	-
Technical Data Rights:	-		

Notes:

The difference between the Initial Contract Price Target and the Current Contract Price Target is due to Contract Modification P00006 - Lot 17/18 Rate Reopener.

Lots 17 and 18 were both awarded under contract number FA8682-20-C-0001 on March 31, 2020. Lot 17 is for 360 USG Missiles and 40 FMS at a price of \$424.4M, and Lot 18 is for 390 USG missiles at a price of \$393.8M, for a total price of \$818.2M and is considered the initial/original contract price. Both lots completed deliveries in October and November 2023, respectively.

P00006 - Lot 17/18 Rate Reopener increased the price of Lot 17 Missiles to \$431.7M and Lot 18 to \$403M for a total contract price of \$834.7M.

Initial Price (TY\$M) Target / Ceiling		Current Price (TY\$M) Target / Ceiling		Estimate at Completion (TY\$M) Contractor / PM		Initial Quantity	Current Quantity	Delivered Quantity
818.2	-	834.7	-	-	834.7	750	750	750

(U) JASSM Baseline Subprogram

No Data

(U) Production**(U) JASSM-ER Subprogram**

(U) Low-Rate Initial Production

No Data

Rationale if LRIP Quantity Exceeds 10% of Total Procurement Quantity (Current Determination)

None

LRIP Notes

There is no LRIP for this program.

(U) JASSM Baseline Subprogram

No Data

(U) Deliveries and Expenditures**(U) JASSM-ER Subprogram**

(U) Acquisition Funding

	Total Estimate	Actual to Date	Actual, Percent Complete
Years Appropriated	23	22	95.7%
Appropriations (TY, \$M)	23,921.3	7,285.4	30.5%
Expenditures (TY, \$M)	23,921.3	5,414.3	22.6%

(U) End Items Delivered

	Total Required	Planned to Date	Actual to Date	Actual, Percent Complete
Development	50			
JASSM ER		31	31	
Procurement	12,822			
JASSM ER		4,119	4,119	
Total	12,872	4,150	4,150	32.2%

Notes

Total deliveries in this table exclude JASSM Baseline missiles. The Total Program Quantity Delivered number decreased from 44.9% to 27.2% due to an overall quantity increase. The JASSM Baseline quantities are now excluded from calculations to align with the JASSM-ER only APB. Total Acquisition does not include Centralized Asset Management (CAM) O&M. Expended to Date and Appropriated to Date exclude CAM O&M.

(U) JASSM Baseline Subprogram

No Data

(U) International Program Aspects

General Memo

Currently, Long Range Systems International has seven active JASSM Foreign Military Sales (FMS) cases supporting four countries (Australia, Finland, Poland, and Japan). There is one active Sensor Fuzed Weapons (SFW) case for India, which is currently in the Notice of Supplies and Services Completed process. Eight (8) countries (Australia, Finland, Germany, Greece, Japan, The Netherlands, Poland, and Romania) have requested Price and Agreement (P&A) for approximately 1,000 JASSM-ERs with projected deliveries starting in CY 2027 through CY 2034.

P&A responses for six countries (Belgium, Finland, Germany, Netherlands, Japan, and Poland) have been provided to Air Force Security Assistance and Cooperation (AFSAC) for release to the countries. One Letter of Request (LOR) for Letter of Offer and Acceptance (LOA) (Finland) was at Case Writing Division and released May 31, 2023. On February 13, 2023, EBJI initiated communications with the Government of Australia (GoA) for a potential amendment to extend support case AT-D-QAR, to expire on December 31, 2023. On July 5, 2023, GoA provided LOR for Amendment 5 to extend support case AT-D-QAR, AT-D-QAR has been amended and the Period of Performance (PoP) is extended through December 2027. Received LOR for Letter of LOA from Poland on June 23, 2023, for 400 JASSM-ERs. On June 23, 2023, Finland signed Amendment 4 for case FI-D-YAI. P&A responses to Greece and Romania are in work with expected release to AFSAC in 3rd Quarter CY 2024.

The JASSM PO is working with all stakeholders to understand manufacturing capacity to strategically inform allocation percentages between FMS, Department of the Air Force (USAF) and the Department of Navy (DON). The Mission Planning/Targeting Working Group, comprised of multiple US Government intelligence agencies, is actively working on a plan to provide Partner Nations with the data necessary for effective JASSM utilization. This initiative ensures the Total Package Approach is achieved, equipping current and future customers with the required data, tools, and training.

Exportability and Business Issues

Program Protection Plan is in place and dated July 20, 2023, has been released as appropriate.

Is design for international exportability planned?	Yes	Industry/Partner Exportability Cost-Sharing?	Yes
--	-----	--	-----

Program Protection: Technology Security and Foreign Disclosure Issues

No Issues to report.

(U) Agreements

No International Agreements have been defined for JASSM

(U) JASSM-ER Subprogram

General Memo

New acquisitions from current JASSM countries to include: Australia, which is procuring AGM-158B to integrate onto their F-18 Super Hornets.

Poland's new acquisition of 400 All-Up-Round (AUR) for AGM-158B-2 missiles; case is expected to be offered by 3rd Quarter FY 2024.

Finland's new acquisition for up to 80 AURs for AGM-158B-2 missiles to be integrated on F-35; case is expected to be offered by 3rd Quarter FY 2024.

New AGM-158 family countries include Japan, The Netherlands, and Germany, all of which submitted requests for a LOA.

Japan is currently working efforts to integrate JASSM onto their F-15J Super Interceptor. Japan has signed a LOA for the acquisition of up to 50 AURs for AGM-158B-2 missiles, with follow on acquisitions cases expected.

The Netherlands case, which will procure 120 AURs for AGM-158B-2 and integrate them onto their F-35, is expected to be offered by 3rd Quarter 2024.

Germany's request for 75 AURs is currently being developed and is expected to be offered by 1st or 2nd Quarter 2025.

Greece and Romania have both received P&As for 40 AURs & 10 AURs respectively.

The International Branch is working a new request from Denmark to provide a classified JASSM briefing, which we anticipate will lead to a request for LOA, bringing the total countries requesting JASSM missiles to 9 FMS countries for approximately 1,000 missiles.

Exportability and Business Issues

Program Protection Plan is in place and dated July 20, 2023, has been released as appropriate.

Is design for international exportability planned? Yes Industry/Partner Exportability Cost-Sharing? Yes

Program Protection: Technology Security and Foreign Disclosure Issues

No Issues to report.

(U) Agreements

Activity Date	Type	Agreement Number	International Partner(s)	Quantity	Funding (TY\$M)
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10/10/2022	FMS LOA	AT-D-YAK	Australia (AT)	80	211.0
2/18/2022	FMS LOA	PL-D-YAD	Poland (PL)	40	58.4
9/16/2021	FMS LOA	JA-D-QES	Japan (JA)	150	15.2
7/3/2021	FMS LOA	AT-D-QAR	Australia (AT)	-	9.9
3/1/2012	FMS LOA	FI-D-YAI	Finland (FI)	50	176.8
11/15/2010	FMS LOA	IN-D-SAB	India (IN)	512	359.6

(U) Agreement Information

Partner(s): Australia (AT) **Activity Date:** 10/10/2022
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** AT-D-YAK
Notes: FMS of JASSM-ER to Australia was approved and the LOA was signed on October 10, 2022, to acquire 80 missiles for integration on the Australian F/A-18 E/F. The contract will acquire a mix of AGM-158B missiles from US inventory as well new AGM-158B-2 missiles. There will be a one-for-one Replacement-In-Kind from this contract to replenish US inventory. The contract also includes integration, System Support Simulator upgrade, MOFP, Unique Planning Component (UPC), management support, and test support. The program is now in execution and the Period of Performance expires September 2027.

Australia (AT)		
Fiscal Year	Funding (TY\$M)	Quantity
2028	211.0	80
Total	211.0	80

(U) Agreement Information

Partner(s): Poland (PL) **Activity Date:** 2/18/2022
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** PL-D-YAD
Notes: FMS of JASSM-ER to Poland was approved and the LOA was signed on 16 December 2016 to acquire missiles for integration on the Polish F-16. The Phase 1 contract award included integration, System Support Simulator upgrade, MOFP, Unique Planning Component, and management support. Phase 2 contract award included integration and test support. Poland received test assets from Lot 16 (1 JASSM-ER) and received production missiles from Lot 17 (40 JASSM-ER) October 2023.

Poland Live Fire testing was accomplished in 3rd Quarter CY 2021 with Lot 16 test assets.

Production missiles were scheduled to be delivered in 3rd Quarter CY 2022, but due to a manufacturing operator error, 30 of the affected Poland JASSM-ERs were on hold for shipping until the issue was resolved.

Shipment of the remaining 30 assets occurred October 2023.

Poland (PL)		
Fiscal Year	Funding (TY\$M)	Quantity
2024	58.4	40
Total	58.4	40

(U) Agreement Information

Partner(s): Japan (JA) **Activity Date:** 9/16/2021
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** JA-D-QES
Notes: FMS of JASSM-ER to Japan was approved and the Letter of Offer and Acceptance was signed on

September 16, 2021. The effort includes development and integration and test of the JASSM-ER to the F-15JSI platform. Efforts to include delivery of JASSM UPC, MOFP, Precision Target Module Software and Hardware. Future missile cases are in work to supply Japan with up to 150 JASSM-ER over a three-year delivery period. Forecasted delivery of JASSM's expected to be 50 each in years FY 2028, FY 2029, and FY 2030.

Japan (JA)		
Fiscal Year	Funding (TY\$M)	Quantity
2029	15.2	150
Total	15.2	150

(U) Agreement Information

Partner(s): Australia (AT) **Activity Date:** 7/3/2021
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** AT-D-QAR
Notes: The program for Australia (AT(AS)) is active. The Period of Performance expires September 2027. The program is now in sustainment. The case currently has an expiration date of December 2023; however, an amendment will soon be implemented to extend it to June 2027.

Australia (AT)		
Fiscal Year	Funding (TY\$M)	Quantity
2027	9.9	-
Total	9.9	-

(U) Agreement Information

Partner(s): Finland (FI) **Activity Date:** 3/1/2012
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** FI-D-YAI
Notes: FMS of JASSM to Finland was approved and the LOA was signed on March 1, 2012, to acquire 50 missiles for integration on the Finland F/A-18 C/D. The contract awards included integration, System Support Simulator upgrade, MOFP, UPC, management support, and test support. Finland received production missiles from Lots 13 and 14 (50 AGM-158A). The program is now in sustainment and the Period of Performance expires June 2030.

Finland (FI)		
Fiscal Year	Funding (TY\$M)	Quantity
2030	176.8	50
Total	176.8	50

(U) Agreement Information

Partner(s): India (IN) **Activity Date:** 11/15/2010
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** IN-D-SAB
Notes: FMS of Sensor Fuzed Weapons (SFW) to India was approved and the Letter of Offer and Acceptance was signed on November 15, 2010, to acquire 512 SFWs for integration on the Indian IAF Jaguar. The contract award included integration, MOFP, management support, and test support. India received production missiles in August 2017. The program is now in Notice of Supplies and Services Complete (NSSC) status & this is not an option in the "Life-Cycle Phase". The PoP expired in September 2021.

India (IN)		
Fiscal Year	Funding (TY\$M)	Quantity
2021	359.6	512

India (IN) Fiscal Year	Funding (TY\$M)	Quantity
Total	359.6	512

(U) JASSM Baseline Subprogram

No Data



UNCLASSIFIED

**Modernized
Selected Acquisition Report
Supplement**

**Joint Air-to-Surface Standoff Missile
(JASSM)**

FY 2025 President's Budget
As of: December 31, 2023

UNCLASSIFIED

MSAR Supplement Sections

Program Description

Program Use of the Adaptive Acquisition Framework

Technologies and Systems Engineering

Funding Sources (Acquisition)

Funding Sources (Operating and Support)

Acquisition Estimate and Quantity Summary

Annual Acquisition Estimates by Appropriation Account

Acquired System Annual End-Item Quantities by Appropriation Account

Nuclear Costs

Operational Fielding Plan

O&S Independent Cost Estimate

Annual Operating and Support Estimates by Cost Element

Program Description

Full Name

Joint Air-to-Surface Standoff Missile

Short Name

JASSM

PNO

555

Lead Component

Air Force

AAF Pathway

MCA

Acquisition Type

MDAP

Acquired Systems

Subprograms

Full Name	Short Name	Acquired Systems
JASSM-ER	JASSM-ER	JASSM ER

Related Programs

Full Name	PNO	Pathway	Type	ACAT/ BCAT	Acquisition Status	Costs in SAR?	
						Acq	O&S
Joint Air-to-Surface Standoff Missile	555	MCA	MDAP	IC	Active	No	No

Program Use of the Adaptive Acquisition Framework

This acquisition is accomplished by a single program in the Major Capability Acquisition Pathway.

Technologies and Systems Engineering

JASSM-ER Subprogram

Major Software Efforts

Title	Status	Fielding Date	Description
Warfighter Capability Enhancements	Development	Jan 2025	Design and development of software and mission planning changes to ensure the missile maintains operational capability. To maximize effectiveness of existing inventory and address findings from the field, developmental, testing, and fielding improvements via software upgrades into fielded missiles and/or hardware upgrades inserted into the production line. Maintain effectiveness in classified scenarios.

Major Engineering Changes

Title	Original Need Date	Fielding Date	Description, Rationale and Program Impacts
AGM-158B-2	Jun 2024	Jun 2024	Obsolescence upgrade; increased computing capability, C++ missile control software. Foundational system upgrade for follow on 158B-3 and 158D variants.
AGM-158B-3	Nov 2025	Nov 2025	M-Code GPS capability upgrade
AGM-158D	Nov 2026	Nov 2026	Weapon Data Link capability upgrade

Funding Sources (Acquisition)

Acquisition Funding Notes

JASSM-ER Subprogram

Category	Account	BA	Line Item	Program Element	RDT&E Project	Shared	Sunk
RDT&E	3600F	07	0207325F - Joint Air-to-Surface Standoff Missile (JASSM)	0207325F	675356 - JASSM Extended Range (JASSM-ER)		
Procurement	3020F	02	JASSM0 - Joint Air-Surface Standoff Missile	0207325F	-		

Funding Sources (Operating and Support)

Note: Budget lines fund activities executed by the Program Office or Sustainment Office.

Operating and Support Funding Notes

JASSM-ER Subprogram

Category	Account	BA	Line Item	Program Element	RDT&E Project	Shared	Sunk
O&M	3400F	01	011W - Contractor Logistics Support and System Support	0207325F	-	x	

Note: Budget Line is shared between JASSM Baseline, JASSM ER, and LRASM

Acquisition Estimate and Quantity Summary

JASSM-ER Subprogram

Acquisition Estimates

Category	PB 2025	TY (\$M)	Current Base Year	Original Base Year	Report Fiscal Year
			CY2010 (\$M)	CY2010 (\$M)	CY2024 (\$M)
RDT&E		1,336.1	1,026.0	1,026.0	1,425.0
Procurement		25,234.1	16,044.4	16,044.4	22,283.8
MILCON		-	-	-	-
O&M		-	-	-	-
Total Acquisition		26,570.2	17,070.3	17,070.3	23,708.8
PAUC		2.064	1.326	1.326	1.842
APUC		1.968	1.251	1.251	1.738

Acquisition End-Item Quantities

System	PB 2025	Development	Procurement
JASSM ER		50	12,822
Total		50	12,822

Unit Description

JASSM ER is a next generation cruise missile enabling the USAF to destroy the enemy's war-sustaining capabilities from outside its area air defenses. JASSM ER is a low observable, highly survivable, subsonic cruise missile w/turbo fan engine which carries a 1000-pound class, hardened, penetrating warhead with a robust blast fragmentation capability .

Current and Future Years Defense Program Summary, TY(\$M)

Appropriation	Prior	2024	2025	2026	2027	2028	2029	To Complete	Total
RDT&E	690.7	132.9	183.5	41.0	17.9	21.9	22.3	225.8	1,336.1
Procurement	5,935.1	2,188.9	948.1	875.0	894.7	917.7	1,544.5	11,930.3	25,234.1
MILCON	-	-	-	-	-	-	-	-	-
O&M	-	-	-	-	-	-	-	-	-
PB 2025 Total	6,625.8	2,321.8	1,131.6	916.0	912.6	939.5	1,566.8	12,156.0	26,570.2

Annual Acquisition Estimates by Appropriation Account

(Aligned to Budget Position: PB 2025)

JASSM-ER Subprogram

Source for TY\$-CY\$ Conversion: SAF/FMCE Raw and Weighted Inflation Indices for DAF Accounts: 23 Feb 2024

3600F - Research, Development, Test & Eval, AF					
fiscal year		Other/ Unallocated	Total TY(\$M)	Weighted Rate	Total CY2010 (\$M)
Total		1,336.1	1,336.1	-	1,026.0
2003		13.600	13.6	0.869323	15.6
2004		15.700	15.7	0.891021	17.6
2005		31.800	31.8	0.913872	34.8
2006		35.200	35.2	0.941428	37.4
2007		22.500	22.5	0.966226	23.3
2008		8.300	8.3	0.985663	8.4
2009		20.571	20.6	0.998638	20.6
2010		26.472	26.5	1.011189	26.2
2011		19.324	19.3	1.030302	18.8
2012		5.654	5.7	1.048254	5.4
2013		3.607	3.6	1.065969	3.4
2014		3.154	3.2	1.080831	2.9
2015		4.996	5.0	1.091688	4.6
2016		9.221	9.2	1.108382	8.3
2017		18.074	18.1	1.131576	16.0
2018		29.403	29.4	1.155364	25.4
2019		40.925	40.9	1.176843	34.8
2020		73.716	73.7	1.207111	61.1
2021		70.893	70.9	1.263824	56.1
2022		113.768	113.8	1.331623	85.4
2023		123.852	123.9	1.378952	89.8
2024		132.937	132.9	1.414075	94.0
2025		183.532	183.5	1.444422	127.1
2026		41.017	41.0	1.474755	27.8
2027		17.941	17.9	1.505725	11.9
2028		21.858	21.9	1.537345	14.2
2029		22.289	22.3	1.569629	14.2
2030		225.769	225.8	1.602591	140.9

Annual Acquisition Estimates by Appropriation Account
(Aligned to Budget Position: PB 2025)

JASSM-ER Subprogram

Source for TY-\$-CY\$ Conversion: SAF/FMCE Raw and Weighted Inflation Indices for DAF Accounts: 23 Feb 2024

3020F - Missile Procurement, Air Force									
fiscal year	End Item Recurring Flyaway	Non-End Item Recurring Flyaway	Non-Recurring Flyaway	Initial Spares	Depot Activation	Other/ Unallocated	Total TY(\$M)	Weighted Rate	Total CY2010 (\$M)
Total	22,585.3	-	-	-	-	2,648.9	25,234.1	-	16,044.4
2003							-	0.879255	-
2004							-	0.898464	-
2005							-	0.924027	-
2006							-	0.950702	-
2007							-	0.974586	-
2008							-	0.992347	-
2009							-	1.006495	-
2010	56.675						56.7	1.020750	55.5
2011	2.416						2.4	1.041783	2.3
2012	56.848						56.8	1.059183	53.7
2013	68.694						68.7	1.083579	63.4
2014	93.761						93.8	1.099568	85.3
2015	211.240						211.2	1.113056	189.8
2016	344.574						344.6	1.134606	303.7
2017	432.712						432.7	1.163444	371.9
2018	432.536						432.5	1.192466	362.7
2019	601.641						601.6	1.227195	490.3
2020	483.373						483.4	1.274885	379.2
2021	493.426					341.304	834.7	1.332422	626.5
2022	710.550					371.556	1,082.1	1.382463	782.7
2023	834.971					398.811	1,233.8	1.418131	870.0
2024	1,638.268					550.596	2,188.9	1.449814	1,509.8
2025	825.051					123.051	948.1	1.480472	640.4
2026	821.193					53.823	875.0	1.511562	578.9
2027	829.091					65.574	894.7	1.543305	579.7
2028	850.810					66.867	917.7	1.575714	582.4
2029	867.157					677.307	1,544.5	1.608804	960.0
2030	1,033.993					-	1,034.0	1.642589	629.5
2031	1,054.368					-	1,054.4	1.677083	628.7
2032	1,073.212					-	1,073.2	1.712302	626.8
2033	1,091.792					-	1,091.8	1.748260	624.5
2034	1,112.562					-	1,112.6	1.784974	623.3
2035	1,133.457					-	1,133.5	1.822458	621.9
2036	1,118.894					-	1,118.9	1.860730	601.3
2037	1,062.365					-	1,062.4	1.899805	559.2
2038	1,077.210					-	1,077.2	1.939701	555.3
2039	1,093.055					-	1,093.1	1.980435	551.9
2040	1,079.363					-	1,079.4	2.022024	533.8

Acquired System Annual End-Item Quantities by Appropriation Account

(Aligned to Budget Position: PB 2025)

JASSM-ER Subprogram

3600F - Research, Development, Test & Eval, AF				
fiscal year	JASSM ER			Total
Total	50			50
Undistributed	50			50

Acquired System Annual End-Item Quantities by Appropriation Account

(Aligned to Budget Position: PB 2025)

JASSM-ER Subprogram

3020F - Missile Procurement, Air Force				
fiscal year	JASSM ER			Total
Total	12,822			12,822
Undistributed				-
2011	30			30
2012	30			30
2013	40			40
2014	60			60
2015	140			140
2016	241			241
2017	360			360
2018	360			360
2019	360			360
2020	390			390
2021	400			400
2022	525			525
2023	600			600
2024	512			512
2025	550			550
2026	542			542
2027	540			540
2028	554			554
2029	554			554
2030	554			554
2031	550			550
2032	550			550
2033	550			550
2034	550			550
2035	550			550
2036	550			550
2037	550			550
2038	550			550
2039	550			550
2040	530			530

Nuclear Costs

JASSM-ER Subprogram

Program's Use of Department of Energy Resources

None

Operational Fielding Plan

JASSM-ER Subprogram

System: JASSM ER

Fielding and Inventory Notes

JASSM ER Fielding Plan and Inventory

fiscal year	Store	Field	Expend/Loss	Decommission	Inventory
2023					1,841
2024	159	366	12		2,354
2025	182	418	12		2,942
2026	97	223	12		3,250
2027	32	72	12		3,342
2028	46	106	12		3,482
2029	46	106	12		3,622

O&S Independent Cost Estimate

JASSM-ER Subprogram

Independent and Current Cost Estimate Comparison

Category	CY2010 (\$M)	Independent Cost Estimate 2/7/2023	Current Estimate 2/7/2023	Variance with ICE (%)
Unit-Level Manpower		131.3	131.3	0%
Unit Operations		-	-	-
Maintenance		285.1	285.1	0%
Sustaining Support		699.1	699.1	0%
Continued System Improvements		917.2	917.2	0%
Other				-
Total O&S		2,032.8	2,032.8	0%

Independent Cost Estimate Source

Event: APB Update
Type: Component Cost Estimate
Approved by: Air Force Cost Analysis Agency, February 7, 2023
Note: CCP was delegated as the ICE in support of a revised APB.

Current Cost Estimate Source

Type: Component Cost Estimate
Approved by: Air Force Cost Analysis Agency, February 7, 2023
Note: ICE and Current Estimate CCP are the same.

Cost Estimate Variance Explanation

Annual Operating and Support Estimates by Cost Element

JASSM-ER Subprogram

System: JASSM ER

Source for TY-CY Conversion: OSD 24PB Inflation Guidance dated 7 February 2023

Operating and Support Cost Elements							
fiscal year	1.0 Unit-Level Manpower	2.0 Unit Operations	3.0 Maintenance	4.0 Sustaining Support	5.0 Continuing System Improvements	Other	Total CY2010 (\$M)
Total	131.3	-	285.1	699.1	917.2	-	2,032.8
2013	0.094	-	0.001	0.011	0.228		0.3
2014	0.160	-	0.004	0.020	0.584		0.8
2015	0.220	-	0.002	0.011	0.736		1.0
2016	0.315	-	0.005	0.035	1.504		1.9
2017	0.524	-	0.144	0.162	2.939		3.8
2018	0.534	-	0.009	0.205	2.474		3.2
2019	0.837	-	0.149	0.110	4.697		5.8
2020	1.210	-	0.239	0.218	7.406		9.1
2021	1.449	-	0.292	0.739	9.189		11.7
2022	1.609	-	0.647	0.372	10.407		13.0
2023	1.808	-	0.979	0.226	12.088		15.1
2024	2.018	-	1.132	1.155	13.031		17.3
2025	2.264	-	1.256	0.276	14.444		18.2
2026	2.502	-	3.678	0.302	15.996		22.5
2027	2.731	-	4.467	0.335	19.355		26.9
2028	2.870	-	5.205	1.228	20.281		29.6
2029	2.924	-	6.009	0.361	20.693		30.0
2030	3.032	-	6.828	1.254	21.464		32.6
2031	3.100	-	7.513	0.385	21.987		33.0
2032	3.123	-	7.899	1.271	22.185		34.5
2033	3.168	-	8.580	0.396	22.548		34.7
2034	3.241	-	9.298	1.293	23.086		36.9
2035	3.315	-	9.831	0.417	23.645		37.2
2036	3.392	-	10.501	2.214	24.161		40.3
2037	3.449	-	11.173	0.437	24.576		39.6
2038	3.473	-	11.503	33.123	27.893		76.0
2039	3.480	-	12.286	32.257	27.923		75.9
2040	3.484	-	12.642	33.039	27.940		77.1
2041	3.479	-	12.241	32.289	27.971		76.0
2042	3.484	-	12.595	33.520	27.988		77.6
2043	3.487	-	12.179	32.359	28.019		76.0
2044	3.490	-	11.919	33.591	28.037		77.0
2045	3.495	-	11.420	32.429	28.068		75.4

System: JASSM ER

Source for TY-CY Conversion: OSD 24PB Inflation Guidance dated 7 February 2023

Operating and Support Cost Elements							
fiscal year	1.0 Unit-Level Manpower	2.0 Unit Operations	3.0 Maintenance	4.0 Sustaining Support	5.0 Continuing System Improvements	Other	Total CY2010 (\$M)
2046	3.503	-	10.997	33.693	28.085		76.3
2047	3.510	-	10.632	32.531	28.116		74.8
2048	3.516	-	9.838	33.797	28.134		75.3
2049	3.521	-	8.994	32.614	28.165		73.3
2050	3.530	-	8.250	33.905	28.182		73.9
2051	3.542	-	7.577	32.742	28.214		72.1
2052	3.557	-	6.792	34.070	28.231		72.7
2053	3.578	-	6.119	33.111	28.263		71.1
2054	3.615	-	5.415	28.168	28.281		65.5
2055	3.615	-	4.725	30.140	28.313		66.8
2056	3.615	-	4.006	29.934	23.666		61.2
2057	3.615	-	3.414	23.197	19.008		49.2
2058	3.615	-	2.523	22.556	14.350		43.0
2059	3.615	-	1.902	12.763	9.677		28.0
2060	3.615	-	1.295	9.869	5.000		19.8