

UNCLASSIFIED



CLEARED AS AMENDED
For Open Publication

Apr 28, 2022

Department of Defense
OFFICE OF PREPUBLICATION AND SECURITY REVIEW

OFFENSIVE ANTI-SURFACE WARFARE INCREMENT 1 (LONG RANGE ANTI-SHIP MISSILE) (OASUW INC 1 (LRASM))

December 2021 Selected Acquisition Report (SAR)



DECEMBER 31, 2021
DEPARTMENT OF THE NAVY

UNCLASSIFIED

Contents

Program Manager	2
Mission and Description	3
Executive Summary	4
History of Significant Developments Since Program Initiation	5
Schedule	6
Schedule Events	6
Performance.....	7
Performance Notes:	7
Requirements Source:	7
Deviation Explanations:.....	7
Acquisition Budget Estimate	8
Total Acquisition Cost	8
Total End Item Quantity	8
Quantity Notes:.....	8
Risk and Sensitivity Analysis.....	8
Unit Cost.....	9
Current Baseline Compared with Current Estimate.....	9
Original Baseline Compared with Current Estimate	9
Contracts	10
Deliveries and Expenditures	14
Low Rate Initial Production	15
Operating and Support Costs	16
Total Program O&S Cost Compared with Baseline	16

UNCLASSIFIED

Common Acronyms and Abbreviations

Acq O&M - Acquisition-Related Operations and Maintenance
ACAT - Acquisition Category
ADM - Acquisition Decision Memorandum
APB - Acquisition Program Baseline
APPN - Appropriation
APUC - Average Procurement Unit Cost
\$B - Billions of Dollars
BA - Budget Authority/Budget Activity
Blk - Block
BY - Base Year
CAPE - Cost Assessment and Program Evaluation
CARD - Cost Analysis Requirements Description
CDD - Capability Development Document
CLIN - Contract Line Item Number
CPD - Capability Production Document
CY - Calendar Year
DAB - Defense Acquisition Board
DAE - Defense Acquisition Executive
DAMIR - Defense Acquisition Management Information Retrieval
DoD - Department of Defense
DSN - Defense Switched Network
EMD - Engineering and Manufacturing Development
EVM - Earned Value Management
FOC - Full Operational Capability
FMS - Foreign Military Sales
FRP - Full Rate Production
FY - Fiscal Year
FYDP - Future Years Defense Program
ICE - Independent Cost Estimate
IOC - Initial Operational Capability
Inc - Increment
JROC - Joint Requirements Oversight Council
\$K - Thousands of Dollars
KPP - Key Performance Parameter
LRIP - Low Rate Initial Production
\$M - Millions of Dollars
MDA - Milestone Decision Authority
MDAP - Major Defense Acquisition Program
MILCON - Military Construction
N/A - Not Applicable
O&M - Operations and Maintenance
ORD - Operational Requirements Document
OSD - Office of the Secretary of Defense
O&S - Operating and Support
PAUC - Program Acquisition Unit Cost
PB - President's Budget
PE - Program Element
PEO - Program Executive Officer
PM - Program Manager
POE - Program Office Estimate
RDT&E - Research, Development, Test, and Evaluation
SAR - Selected Acquisition Report
SCP - Service Cost Position
TBD - To Be Determined
TY - Then Year
UCR - Unit Cost Reporting
U.S. - United States
USD(A&S) - Under Secretary of Defense (Acquisition and Sustainment)
USD(AT&L) - Under Secretary of Defense (Acquisition, Technology and Logistics)

UNCLASSIFIED

Program Manager

Name: CAPT Richard Gensley

Date Assigned: February 10, 2021

Address: 47123 Buse Road

Patuxent River, MD 20670

Phone: 301-757-7477

Email: Richard.m.gensley.mil@us.navy.mil

Mission and Description

The U.S. Navy is leveraging Defense Advanced Research Projects Agency (DARPA) demonstration efforts to deliver an air-launched Offensive Anti-Surface Warfare (OASuW) Inc 1 weapon as an early operational capability (EOC) in the required timeframe. OASuW Inc 1 will deliver the Long Range Anti-Ship Missile (LRASM) developed in the demonstration program as an EOC to meet the most urgent air-launched requirement, significantly reducing Joint Force warfighting risks and positioning the DoD to address evolving surface warfare threats. LRASM will remain a viable interim capability pending the determination of the long-term OASuW solution by evolving capability necessary to outpace a dynamic threat.

Based on the February 03, 2014 ADM, the OASuW Inc 1/LRASM program is structured using an accelerated model because of the urgency of need. The program leverages DoDI 5000.02 Model 4 to structure the acquisition approach which includes a highly integrated developmental and operational test program in order to meet EOC objectives. Additionally, the ADM directed establishment of a DARPA/Navy/Air Force LRASM Deployment Office (LDO) to manage the OASuW Inc 1 program. LDO, later renamed the Effects Deployment Office (FXDO), uses Knowledge Point decision meetings with an Executive Steering Board chaired by the Service Acquisition Executive to provide focused support and oversight to address the risk of technical or acquisition inefficiencies in order to achieve the fielded capability by the required date. A sole-source contract for Integration and Test was awarded in April 2016 to Lockheed Martin, the prime integrator for the LRASM demonstration and the legacy Joint Air-to-Surface Standoff Missile-Extended Range system, for development and delivery of the LRASM EOC. The urgency of the requirement is the basis for the streamlined approach to accelerate the process.

The LRASM weapon system is the force application component of the Anti-Surface Warfare (ASuW) capability servicing threat capital ships. LRASM is integral to realizing the National Defense Strategy of combat-credible military forces to deter war, protect the security of our nation and to enable the Joint Force to win should deterrence fail. The development and acquisition of LRASM has been structured to be fielded at a pace relevant to maintain overmatch against long-term strategic competition. Specifically, LRASM directly contributes to building a more lethal force and is a critical enabler for joint lethality in contested environments; deterring adversaries from aggression; ensuring common domains remain open and maintaining favorable regional balances of power.

LRASM will conduct pre-planned and variable strikes against heavily defended surface combatants.

UNCLASSIFIED

Executive Summary

Significant Accomplishments:

The Offensive Anti-Surface Warfare Increment 1 (OASuW Inc 1)/ Long Range Anti-Ship Missile (LRASM) program was established as a DoD 5000.02 Model 4 accelerated acquisition program with the goal of delivering a credible, lethal threat against advanced surface combatants by 2018 for the B-1 and 2019 for the F/A-18E/F. The program successfully met Early Operational Capability (EOC) on the B-1 in December 2018, which was 10 months ahead of schedule threshold. The program successfully met EOC on the F/A-18E/F in November 2019, 11 months ahead of schedule threshold.

The program shifted focus from EOC capability to development of the new LRASM 1.1 configuration in late 2019. LRASM 1.1 ensures continued tactical dominance against capital ships focusing primarily on improved communication capabilities, increased survivability and obsolescence upgrades. LRASM will conduct a series of technical reviews assessing the maturity of the LRASM 1.1 configuration. Subsystem Critical Design Review (CDR) events have been completed, along with the System-Level Preliminary Design Review (PDR). In second quarter FY 2021, LRASM definitized the LRASM 1.1 delivery order on the Basic Ordering Agreement (BOA) contract and awarded the Lots 4 and 5 missile production contract, which incorporates LRASM 1.1. The LRASM 1.1 CDR was successfully conducted in June 2021. The Lot 6 option on the Production Lot 4/5 contract was partially exercised in November 2021. The next milestone event is: Integrated Test Event Ten (ITE-10).

The program experienced two FY 2021 Congressional adjustments: 1) a \$16.53M increase in RDT&E to support OASuW Inc 1 (LRASM 1.1) and 2) a \$34.78M reduction in procurement which resulted in a quantity reduction on the Lot 5 contract.

The program is facing two FY 2022 Congressional actions which impact the program: 1) a pending \$21M mark against procurement (and extended continuing resolution (CR)) that is impacting the full execution of the Lot 6 Option and 2) the extended CR is preventing the use of FY22 budget reprogramming tools to fully fund the program to completion.

Below are the program achievements since the last published SAR:

March 2020 – Completed Battlefield Awareness and Targeting System-Embedded (BATS-E) 1200 radio qualification

April 2020 – USAF awarded the Lot 3 production contract

May 2020 – Critical Design Reviews for Electronic Safe and Arm (ESAF) (LRASM 1.1 fuze solution) and Radio Frequency Sensor (RFS) obsolescence upgrade conducted

June 2020 – Three Free Flight Evaluation Missiles (FFEM) (R&D) delivered to support tech demo and Valiant Shield activities

July 2020 – Successful participation in advanced technology flight test demonstration

September 2020 – LRASM 1.1 Preliminary Design Review conducted

September 2020 – Lot 1 production deliveries completed

September 2020 – Participated in Valiant Shield fleet exercise

January 2021 – Definitized LRASM 1.1 delivery order on the LRASM Basic Ordering Agreement contract

February 2021 – Awarded the Lots 4/5 Production Contract

June 2021 – LRASM 1.1 CDR conducted

November 2021 – Lot 6 Option exercised on Lot 4/5 production contract

December 2021 - Reprogrammed all fielded missiles (USAF/USN) with the latest Missile Operational Flight Program (MOFP) 12.1.5 software.

Significant Issues:

There are no significant software-related issues with this program at this time.

UNCLASSIFIED

History of Significant Developments Since Program Initiation

History of Significant Developments Since Program Initiation	
Date	Significant Development Description
February 2014	Joint Memorandum from Office of the Under Secretary of Defense (Acquisition, Technology and Logistics) (USD(AT&L)) delegated MDA for the OASuW/ Inc 1 a pre-MDAP effort for the Navy. Program was structured as Model 4 accelerated acquisition.
June 2014	Original Acquisition Strategy approved at Knowledge Point (KP) 1.
February 2016	KP 3 was held satisfying Milestone B certification and approved update to the Acquisition Strategy.
April 2016	Contract awarded for Integration and Test.
June 2016	Assistant Secretary of the Navy for Research, Development and Acquisition Joint Memorandum for USD(AT&L) certified as required by section 2366b(a)(3)(L) of title 10, United States Code concurring with cost, schedule, technical feasibility, and performance trade-offs have been made with regard to LRASM.
December 2016	KP 4 satisfying Production Readiness Review requirements and authorizing procurement of Lot 1 Early Operational Capability units.
March 2018	KP 5 was approved, authorizing the contract award of Lot 2 Early Operational Capability (EOC) weapons production contract.
September 2018	KP 6 was approved as a result of meeting the weapon system EOC fielding threshold. The entrance criteria for KP 7 and 8 were also approved.
December 2018	B-1B EOC was achieved.
November 2019	F/A-18E/F EOC was achieved.

UNCLASSIFIED

Schedule

Schedule Events

Schedule Events					
Events	Development APB Objective	Current APB Development Objective/Threshold		Current Estimate/Actual	Deviation
SETR 2.0	Sep 2014	Sep 2014	Sep 2014	Sep 2014	
SETR 3.0	Sep 2015	Sep 2015	Sep 2015	Sep 2015	
Knowledge Point 3	Feb 2016	Feb 2016	Feb 2016	Feb 2016	
SETR 4.0	Jun 2016	Jun 2016	Jun 2016	Jun 2016	
B-1 Early Operational Capability	Sep 2018	Dec 2018	Dec 2018	Dec 2018	
F/A-18E/F Early Operational Capability	Sep 2019	Nov 2019	Nov 2019	Nov 2019	

UNCLASSIFIED

Performance

Performance Characteristics					
Development APB Objective	Current APB Development Objective/Threshold		Demonstrated Performance (include Date of Demonstration)	Current Estimate/Actual	Deviation
Key Cost Parameter					
USG Only	USG Only	(T=O) USG Only	TBD	USG Only	
Material Availability					
more than or equal to 90% availability	more than or equal to 90% availability	more than or equal to 80% availability	TBD	94.9% / Jan 22	
Operational Availability					
more than or equal to 98% availability	more than or equal to 98% availability	more than or equal to 90% availability	TBD	91.7% Predicted / Jan 2022	
Weapon System Reliability					
greater than or equal to 190 hrs	greater than or equal to 190 hrs	more than or equal to 30 hrs	TBD	92.7 Predicted/ Jan 2022	
Key Schedule Parameter (B-1 / F/A-18E/F)					
4th Quarter FY 2018/2019	4th Quarter FY 2018/2019	4th Quarter FY 2019/2020	Dec 2018 / Nov 2019	Dec 2018 / Nov 2019	
Operations and Support (O&S) Cost					
Threshold = Objective	Less than or equal to \$413M	(T=O) Less than or equal to \$413M	TBD	Threshold = Objective	
Service Life					
30 years	30 years	15 years	TBD	15 years	
Weapon Load-Out (B-1/F/A-18 E-F)					
Threshold = Objective	24/4	(T=O) 24/4	Dec 2018/Nov 2019	Threshold = Objective	

Performance Notes:

Classified Performance Information is provided in the classified annex to this submission.

Requirements Source: CDD for OASuW Weapon System Increment approved by JROC Memorandum 033-15 March 25, 2015

UNCLASSIFIED

Acquisition Budget Estimate

Total Acquisition Cost

Category	Base Year	Development APB	APB Change 2 (Current) 09/07/2020		Budget Estimate PB 2023		Deviation
		Objective (BY\$)	Objective (BY\$)	Threshold (BY\$)	BY\$	TY\$	
RDT&E	2014	1175.0	1394.7	1534.2	1416.6	1511.0	1.57%
Procurement	2014	292.3	1549.3	1678.7	1832.3	2260.7	18.26%
MILCON		0.0	0.0	0.0			
Acq. O&M		0.0	0.0	0.0			
Total							
PAUC	2014	11.833	5.841	6.375	5.037	5.848	-13.77%
APUC	2014	2.657	3.175	3.440	2.913	3.594	-8.25%

Total End Item Quantity

Quantity Category	Current APB Quantity	Current Estimate Quantity
Development	16	16
Procurement	488	629

Quantity Notes:

The total quantity of Long Range Anti-Ship Missile (LRASM) weapons required is 629 All Up Rounds (450 USN and 179 USAF).

Risk and Sensitivity Analysis

Risks and Sensitivity Analysis	
Current Procurement Cost (December 2021)	
1.	There are no procurement cost risks.
Original Baseline Estimate (February 2016)	
1.	A Joint Component Cost Estimate was completed to support Knowledge Point 3 dated February 19, 2016 and was completed at the 50% confidence level. There are no known cost risks at this time.
Revised Original Estimate (N/A)	
None	

Unit Cost

Current Baseline Compared with Current Estimate

Category (\$M)	Current APB	Current Estimate	% Change	NMC Breach
PAUC				
Cost	2944.0	3248.8	10.35%	No
Quantity	504	645	N/A	N/A
Unit Cost	5.841	5.037	-13.77%	No
APUC				
Cost	1549.3	1832.3	18.26%	No
Quantity	488	629	N/A	N/A
Unit Cost	3.175	2.913	-8.25%	No

Original Baseline Compared with Current Estimate

Category (\$M)	Current APB	Current Estimate	% Change	NMC Breach
PAUC				
Cost	1467.3	3248.8	121.42%	No
Quantity	124	645	N/A	N/A
Unit Cost	11.833	5.037	-57.43%	No
APUC				
Cost	292.3	1832.3	526.84%	No
Quantity	110	629	N/A	N/A
Unit Cost	2.657	2.913	9.62%	No

UNCLASSIFIED

Contracts

Contract Data (\$TYM)		
Contract Number	FA8682-19-C-0010	
Effort Number	3	
Modification Number		
Award Date	November 15, 2018	
Definitization Date	November 15, 2018	
Order Number		
CAGE Code/CAGE Legal Name	04939/ Lockheed Martin Corporation	
Contract Title	LRASM Production Contract (Lot 2)	
Contract Address	5600 W Sand Lake Road Orlando, FL 32819-8907	
Contracts/Effort Price, Quantity, and Performance (\$M)		
Initial Target Price	Current Target Price	
172.2	183.7	
Initial Ceiling Price	Current Ceiling Price	
192.2	204.4	
Contract's EAC	PM's EAC	
176.63	191.8	
Initial Quantity	Current Quantity	Delivered Quantity
50	53	48
BAC	BCWP	ACWP
164.19	161.0	170.22
BCWS	Cost Variance	Schedule Variance
161.84	(-\$9.23M)	(-\$0.84M)

Contract Notes:

The difference between the Initial Contract Price Target and the Current Contract Price Target is due to increasing the scope resulting in three additional missiles. There were minor changes to Current Target and Current Ceiling price from the last report.

Cost Variance:

The unfavorable cumulative cost variance is mainly driven by Communications as this element scope is costing more to execute than was planned in the budget. Common Support Equipment is also contributing to the variance due to additional effort required to support Ocala and Troy test stations.

Schedule Variance:

The unfavorable schedule variance is driven by All Up Round Assembly.

UNCLASSIFIED

Contract Data (\$TYM)		
Contract Number	FA8682-20-C-0003	
Effort Number	5	
Modification Number		
Award Date	April 07, 2020	
Definitization Date	April 07, 2020	
Order Number		
CAGE Code/CAGE Legal Name	04939/ Lockheed Martin Corporation	
Contract Title	LRASM Production (Lot 3)	
Contract Address	5600 West Sand Lake Road Orlando, FL 32819	
Contracts/Effort Price, Quantity, and Performance (\$M)		
Initial Target Price	Current Target Price	
165.1	165.2	
Initial Ceiling Price	Current Ceiling Price	
176.2	176.4	
Contract's EAC	PM's EAC	
159.87	161.56	
Initial Quantity	Current Quantity	Delivered Quantity
48	48	0
BAC	BCWP	ACWP
146.96	101.77	99.78
BCWS	Cost Variance	Schedule Variance
98.49	\$1.99M	\$3.28M

Contract Notes:

No changes since last report.

Cost Variance:

The favorable cumulative cost variance is mainly driven by Production Management support needed on other Long Range Anti-Ship Missile (LRASM) contracts; less raw material and NPA needed in All Up Round (AUR) assembly; and less hours than planned for in Configuration Management due to delayed drawing releases.

Schedule Variance:

The favorable cumulative schedule variance is mainly driven by the early receipt of airframe and fuel tank materials.

UNCLASSIFIED

Contract Data (\$TYM)		
Contract Number	FA8682-21-C-0004	
Effort Number	6	
Modification Number		
Award Date	February 22, 2021	
Definitization Date	February 22, 2021	
Order Number		
CAGE Code/CAGE Legal Name	04939/ Lockheed Martin Corporation	
Contract Title	LRASM Production (Lot 4/5/6)	
Contract Address	5600 West Sand Lake Road Orlando, FL 32819	
Contracts/Effort Price, Quantity, and Performance (\$M)		
Initial Target Price (Contractor's Estimated Price)	Current Target Price	
414.3	550.0	
Initial Ceiling Price	Current Ceiling Price	
N/A	N/A	
Contract's EAC (Negotiated Contract Cost)	PM's EAC	
550.0	550.0	
Initial Quantity	Current Quantity	Delivered Quantity
137	180	0
BAC	BCWP	ACWP
N/A	N/A	N/A
BCWS	Cost Variance	Schedule Variance
N/A	N/A	N/A

Contract Notes:

Lot 6 Option was exercised. 42 out of 48 USN missiles put on contract. Due to pending mark against FY 2022 Weapons Procurement, Navy (WPN) funding, program is unable to award the remaining six missiles until Continuing Resolution is resolved. Total quantity for this contract: 180 missiles. The difference from the Initial Target Price to the Current Target Price is due to the added funding for the additional option.

Cost Variance:

Cost Variance reporting is not required on this Firm Fixed Price (FFP) contract.

Schedule Variance:

Schedule Variance reporting is not required on this (FFP) contract

UNCLASSIFIED

Contract Data (\$TYM)		
Contract Number	N00019-19-F-4037/1	
Effort Number	4	
Modification Number		
Award Date	July 03, 2019	
Definitization Date	January 28, 2021	
Order Number	1	
CAGE Code/CAGE Legal Name	04939/ Lockheed Martin Corporation	
Contract Title	LRASM BOA Contract (LRASM 1.1)	
Contract Address	5600 West Sand Lake Road Orlando, FL 32819	
Contracts/Effort Price, Quantity, and Performance (\$M)		
Initial Target Price	Current Target Price	
121.05	122.6	
Initial Ceiling Price	Current Ceiling Price	
121.0	N/A	
Contractor's EAC	PM's EAC	
109.8	110.5	
Initial Quantity	Current Quantity	Delivered Quantity
1	1	0
BAC	BCWP	ACWP
110.5	75.1	70.1
BCWS	Cost Variance	Schedule Variance
82.8	5.0	(7.7)

Contract Notes:

LRASM 1.1 capability improvement efforts as the program transitions to final testing and delivery of the LRASM 1.1 Early Operational Capability (EOC) to the Fleet.

Cost Variance:

Favorable cost variance is driven by Seeker Assemblies (\$6.3M) due to schedule delays affecting planned activities. Cost variance will degrade as activities ramp up as technical issues are resolved.

Schedule Variance:

Unfavorable schedule variance is driven by Seeker Assemblies (\$4.1M) due to delays in operation builds caused by late Radio Frequency Sensor (RFS) deliveries due to hardware issues.

UNCLASSIFIED

Deliveries and Expenditures

Deliveries				
Delivered to Date	Planned to Date	Actual to Date	Total Quantity	Percent Delivered
Development	13	13	16	81.25%
Production	77	77	629	12.24%
Total Program Quantity Delivered	90	90	645	13.95%

Expended and Appropriated (TY \$M)

Total Acquisition Cost: 2379.7

Expended to Date: 1609.2

Percent Expended: 67.62%

Total Funding Years: 13

Years Appropriated: 9

Percent Years Appropriated: 69.23%

Appropriated to Date: 2182.6

Percent Appropriated: 91.72%

The above data is current as of April 18, 2022.

UNCLASSIFIED

Low Rate Initial Production

Item	Initial LRIP Decision	Current Total LRIP
Approval Date	3/31/2016	1/3/2020
Approved Quantity	110	488
Reference	OASuW Increment 1 Knowledge Pt #3, ADM	PB2021 Budget Exhibit
Start Year	2017	2017
End Year	2019	2025

Rationale if Current Total LRIP Quantity exceeds 10% of the total Procurement quantities:

The Current Total LRIP Quantity is more than 10% of the total production quantity because Long Range Anti-Ship Missile (LRASM) continues to be an interim solution pending determination of the long-term OASuW/Inc 2 solution.

As a result of PB23 issued quantities, adjustments have been made to the program increasing the required quantity to 629 All Up Rounds (450 USN and 179 USAF).

UNCLASSIFIED

Operating and Support Costs

Total Program O&S Cost Compared with Baseline

	Current APB Objective (BY\$)	Current APB Threshold (BY\$)	Current Estimate (BY\$)	Current Estimate (TY\$)	Deviation
Total O&S (\$Millions)	318.2	350.0	300.4	392.4	-5.93%

O&S Cost Breakdown

Allocate O&S estimate by each weapon system (or system variants) acquired by the program) into the CAPE Cost Categories. Add a fresh column for each variant/system.

Category (BY\$ Million)	OASuW Inc 1 (LRASM)
Unit-Level Manpower	0.000
Unit Operations	0.000
Maintenance	0.079
Sustaining Support	0.322
Continued System Improvements	0.077
Other	--
Total O&S	0.478

Cost Estimate Source: Program Office Estimate (POE) dated January 15, 2020.

O&S Cost Notes:

- a. Disposal/Demilitarization Cost Estimate and Source of Estimate:

Source of Estimate: POE

Disposal/Demilitarization Total Cost (BY 2014 \$M): 12.9

The assumption for Disposal/Demilitarization costs is that no missiles have been expended/fired through the life of the program. Therefore, all 629 units will be disposed.

- b. Sustainment Strategy:

The Long Range Anti-Ship Missile (LRASM) is a war-reserved asset and does not require periodic or scheduled depot maintenance. The initial Joint Air-to-Surface Standoff Missile (JASSM) product support strategy was to employ a warranty for the life of the weapon. The current JASSM/JASSM-Extended Range (ER) product support strategy has no warranty and a two-level maintenance concept will address parts, labor, failure analysis and correction, disposal of failed missiles or components, and all transportation within the continental United States. Organic depot repair capability does not exist within DoD, and the assets' specialized coating can only be repaired by the manufacturer.

Leveraging off of the current JASSM/JASSM-ER strategy, the weapon system will be maintained under a two-level maintenance concept defined above: organizational and depot levels. Qualified maintenance personnel perform pre-flight and post-flight inspections in accordance with verified manuals and checklists. Missiles are maintained in a serviceable condition at the organizational level through storage monitoring inspections, returned munitions inspections and limited corrective maintenance. Organizational corrective repair actions are limited to minor repairs such as container desiccant replacement, missile surface paint touch up, container latch replacement, and initiation of Built in Test (BIT) and missile software reprogramming using the Common

UNCLASSIFIED

Munitions BIT Reprogramming Equipment, AN-GYQ/79 test set with Ethernet. Limited provisioning will be conducted to include container parts and several external components on the missile. All deficiencies beyond the scope of technical manuals will be reported through All Weapons Information System for Navy and the Tactical Munitions Reporting System for the Air Force. Final disposition instructions will be provided by the Program Office.

Under the anticipated sustainment strategy, unplanned depot level maintenance of LRASM will be performed by the contractor as necessary. The service life requirement is 15 years. The LRASM Deployment Office will determine the most efficient way to handle supportability after the 15-year expires. The requirement to conduct periodic BIT (every 24 months) will be performed in the field and reported to the program office for reliability assessment purposes.

- c. For Each Acquired System or System Variant:
 - i. Quantity to Sustain: 629
 - ii. First Operational Fiscal Year: 2018
 - iii. Final Operational Fiscal Year: 2042
 - iv. Unit Expected Service Life: 15

- d. Antecedent System(s) O&S Costs:
 - i. No Antecedent. JASSM is not considered to be an Antecedent to LRASM as the internal components are substantially different.

UNCLASSIFIED