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Department of Defense
OFFICE OF PREPUBLICATION AND SECURITY REVIEW

Modernized Selected Acquisition Report (MSAR) National Security Space Launch (NSSL)

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 National Security Space Launch	Short Name NSSL
PNO 176	Milestone Decision Authority Component Acquisition Executive
Lead Component Department of the Air Force (Space Acquisition)	Program Executive Office PEO Space Assured Access to Space
Joint Program No	Acquisition Type Major Defense Acquisition Program
Adaptive Acquisition Pathway Major Capability Acquisition	Acquired Systems NSSL
Acquisition Category IC	
Acquisition Status Active Acquisition	

Mission

The mission of the National Security Space Launch (NSSL) program is to provide assured access to space in accordance with section 2273 of Title 10, U.S. Code, for the nation's most critical space capabilities that satisfy DoD warfighter, national security, and other Government needs. This mission includes the execution of flight worthiness certification processes and booster-to-satellite mission integration to achieve mission success.

The NSSL system includes launch vehicles, launch capability, a standard payload interface, support systems, mission integration (includes mission unique requirements), flight instrumentation and range interfaces, special studies, post-flight data evaluation and analysis, mission assurance, infrastructure, critical component engineering, Government Mission Director support, system/process and reliability improvements, training, and other technical support. The system also includes launch site operations activities, activities in support of assured access, systems integration and tests, and other related support activities. Additionally, the program is working to develop two or more domestic, commercially-viable, space launch providers that meet all National Security Space launch requirements.

The NSSL program leverages domestic commercial launch providers to increase reliability, resiliency, and responsiveness to give our Nation a competitive edge in the Great Power Competition.

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(U) Executive Summary

Program Highlights Since Last Report

Since the FY 2024 PB SAR (containing data as of March 2023), the NSSL program office accomplished four National Security Space (NSS) launches. NSSL priorities include cultivating innovative mission assurance, transitioning to new launch vehicles, and assured access for current and future space architectures. Space Force continues to incentivize industry to support the development of new launch vehicles for NSS payloads, assuring access to space into the next decade.

The four NSS launches since the last SAR include a Delta IV Heavy launch for National Reconnaissance Office Launch (NROL)-68 on June 21, 2023; an Atlas V launch for SILENTBARKER on September 10, 2023; a Falcon Heavy launch for United States Space Force (USSF)-52 on December 28, 2023; and a Falcon 9 launch for USSF-124 on February 14, 2024. The launch of USSF-52 was the last Phase 1A mission.

The United Launch Alliance (ULA) completed the first Vulcan certification launch on January 8, 2024. The Vulcan first launch was delayed from Calendar Year 2023 to January 2024 due to Blue Origin BE-4 engine qualification testing delays and a Centaur upper stage qualification test anomaly. The BE-4 engine completed first certification flight qualification testing in May 2023 and is expect to complete fleet qualification in April 2024. ULA identified the root cause of the Centaur anomaly, implemented corrective action, and successfully completed testing prior to the first Vulcan launch. ULA must successfully complete a second certification launch of the Vulcan launch system to receive full NSSL certification.

In addition to executing current launch service contracts, NSSL is implementing the acquisition strategy for the Phase 3 launch services procurements from FY 2025 - 2034. The USD(A&S) approved the NSSL Phase 3 Acquisition Strategy Document (ASD) and issued an ADM on September 29, 2023. The ADM transitioned NSSL MDA from USD(A&S) to Assistant Secretary of the Air Force for Space Acquisition and Integration, this recategorizes the NSSL program from an ACAT 1D to an ACAT 1C. Phase 3 is a full and open competition to ensure continued assured access, while simultaneously harnessing industry innovation to ensure affordable launch services. Phase 3 is a dual-lane contract approach: Lane 1 contract approach provides resiliency to the warfighter by leveraging diverse, commercially available capabilities for more risk-tolerant missions and Lane 2 contract approach provides highly-reliable space access for the most critical missions. The NSSL Phase 3 Lane 1 and Lane 2 Request for Proposals were released on October 4, 2023. Industry proposals were received in December 2023 and are currently being evaluated. Lane 1 Indefinite Delivery Indefinite Quantity contract award is projected for mid-Calendar Year 2024 and Lane 2 award is projected for late-Calendar Year 2024.

Defense Cost and Resource Center and Cost and Software Data Reporting Compliance Rating:
Green

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

(U) History of Significant Developments Since Program Inception

Date	Description
August 1994	President approved National Space Transportation Policy (NSTP) establishing the EELV program, a space launch system that satisfies the National Launch Forecast requirements to place National Security Space (NSS) space vehicles on orbit.
August 1995	Awarded four contracts to begin the development of evolved expendable launch systems with the intent to down-select to one launch provider.
December 1996	Awarded two Pre-EMD contracts, one each to The Boeing Company (previously McDonnell Douglass) (Boeing) and Lockheed Martin Corporation (Lockheed), in line with the strategy to down-select to one provider.
December 1996	MDA approved EELV Milestone (MS) I.
November 1997	Updated acquisition strategy to partner with industry to develop two families of launch vehicles instead of selecting one, based on the commercial launch industry's projections for a robust commercial launch market. The new strategy procured launch services, where the Government would not take ownership of any hardware or property.
June 1998	MDA approved MS II and EELV entered into EMD.
October 1998	Awarded Initial Launch Services (ILS) two Firm Fixed Price (FFP) competitive contracts for 28 missions and two Other Transaction Authority Agreements (OTAs): one each to Lockheed and Boeing. The OTAs provided Government capital investments to meet NSS unique requirements.
December 1999	The U.S suffered six space launch failures over ten months. A Broad Area Review was established to evaluate practices, procedures, and operations, and make recommendations to avoid further failures.
September 2000	ILS contracts and OTA agreements were restructured based on a review of NSS requirements. The demand for West Coast launch services was not sufficient to support two contractors and Lockheed was relieved of the requirement to build a West Coast launch facility. In consideration, the AF awarded Boeing all ILS West Coast launches and funded a Heavy-Lift vehicle (HLV) demonstration flight to increase mission success confidence.
December 2002	Lockheed's Atlas V and Boeing's Delta IV successfully launched their first missions (both commercial).
December 2002	Both contractors considered exiting the launch market due to the lack of a commercial launch market. To protect assured access to space with two families of launch vehicles, the Government planned to fund EELV fixed costs.
March 2003	Successfully accomplished the first Delta IV NSS launch, Defense Satellite Communications System IIIB-27 (A3) on March 11, 2003.
December 2003	Breached Critical Nunn-McCurdy cost thresholds. The primary cause was price increases from the collapse of the commercial launch market. The FY 2005 PB funded EELV to cover an expected 50% increase in prices, and the cost of continued assured access to space.
April 2004	MDA certified to Congress that EELV had met all requirements pursuant to the NM law.
December 2004	Accomplished the successful launch of the Delta IV HLV demonstrating the capability to meet all NSS launch requirements.
December 2004	President signed National Security Policy Directive (NSPD)-40, NSTP, in December 2004. Stating in part: "The Secretary of Defense shall maintain overall management responsibilities for the EELV program and shall fund the annual fixed costs for both launch services providers".
March 2005	Revised EELV acquisition strategy to implement the 2004 NSPD-40 direction to "fund the annual fixed costs for both launch services providers" by implementing separate contracts for launch services and for annual infrastructure capability, known as EELV Launch Services and EELV Launch Capability.

Date	Description
June 2005	MDA approved MS C and placed the program into its Production Phase.
October 2006	Federal Trade Commission granted United Launch Alliance (ULA) anti-trust clearance allowing Boeing and Lockheed to form ULA. The new company stood up on December 1, 2006.
December 2006	Air Force Space Command (AFSPC) Commander declared EELV IOC and FOC.
March 2007	Successfully accomplished the first Atlas V NSS launch, Space Test Programs-1 on March 9, 2007.
August 2007	MDA approved an APB reflecting the end of Production Phase, marking the completion of MS III (MS C), and moving EELV from an active MDAP to a Sustainment Program. In September 2007, EELV submitted a termination SAR ending EELV MDAP reporting.
October 2007	AFSPC extended the EELV program lifecycle from 2020 to 2030.
October 2011	New Entrant Certification Guide was approved, establishing that: "The Air Force strategic intent is to promote the viability of multiple domestic EELV-class launch providers as soon as feasible."
November 2011	Restructured the acquisition strategy to maintain mission success while incentivizing cost reductions through steady production rates, long-term commitments, and opportunities for competition.
April 2012	In the FY 2012 National Defense Authorization Act (NDAA), Congress required EELV to resume MDAP reporting. EELV resumed SAR reporting with updated APUC and PAUC, triggering a critical NM breach. The breach was caused by Satellite Vehicle programs' delivery delays or cancellation, decreased NSS launch service demand from 138 to 92 missions and the rising cost of launch vehicle propulsion systems largely due to the cancellation of the Space Shuttle program.
July 2012	MDA certified to Congress that EELV had met all requirements pursuant to the NM law.
February 2013	MDA approved a revised APB updating the Current and Original Baseline cost thresholds, extending the program from 2020 to 2030 and increasing the quantity of launch services by 60. MDA also approved the amended Acquisition Strategy Document (ASD) and the ADM reinstating MS C (MS III).
February 2013	Amended the ASD to include competitive launch service awards starting in FY 2015, reintroducing competition to EELV for the first time since 1998.
June 2013	Awarded one Firm Fixed Price/Cost Plus Incentive Fees contact for launch production services for 36 launch vehicle cores and launch capability implementing the 2011 ASD.
February 2015	Breached Research, Development, Test, and Evaluation APB total cost threshold. This was due to cumulative effect of additional EELV funds provided in three actions: 1) FY 2014 Omnibus to invest in key propulsion technologies for a technical maturation and risk reduction program to invest in key propulsion technologies; 2) FY 2015 NDAA and Appropriations Act initiated development of a Rocket Propulsion System; and 3) FY 2016 Resource Management Decision directing the Air Force to provide two, commercially-viable, domestically-sourced, space launch services.
May 2015	Announced that the Space Exploration Technologies (SpaceX) Falcon 9 Launch System was capable of meeting NSS launch requirements.
April 2016	Reintroduced competition and awarded the first FFP competitive contract in over a decade. This contract was the first with SpaceX and the Falcon 9 launch vehicle.
May 2016	AFSPC publishes CPD to replace 1998 ORD. Basis for next generation rocket requirements (Standard Interface Specifications and Systems Performance Requirements Document were both updated and signed in June 2017) with guidance leaning forward to space warfighting capability in the 2020s.
June 2017	MDA approved the Launch Service Agreements (LSA) ASD with two key priorities: improving affordable NSS assured access to space and transitioning from the use of non-

Date	Description
	allied engines. The strategy implements the funding provided in FY 2016 and 2017 PBs to invest in one or more launch provider's emerging systems.
October 2018	Awarded three LSA OTAs for development of Launch System Prototypes.
October 2018	MDA approved a new ASD to allow a full and open competition with an award to two providers for FY 2020 - 2025 procurements.
December 2018	Successfully accomplished the first Falcon 9 EELV launch, Global Positions System (GPS) III-2 on December 23, 2018.
March 2019	The FY 2019 NDAA contained a provision to re-name the EELV program the National Security Space Launch (NSSL) program effective March 1, 2019.
August 2020	Awarded two Firm Fixed Price contracts for launch service procured in FY 2020 through 2024, launching in FY 2022 through 2027; one each to SpaceX and ULA.
June 2021	Successfully accomplished the first NSSL launch of a reused launch vehicle, Falcon 9 GPS III-5 mission on June 17, 2021.
September 2021	Awarded four Space Enterprise Consortium (SpEC) prototype project agreements to incentivize industry innovation and development of launch systems capabilities.
March 2022	MDA approved a revised APB updating the Current Baseline to close the 2015 RDT&E Total Cost APB Breach caused by receipt of Congressional RDT&E funds for Rocket Propulsion development.
September 2022	The final Delta IV Heavy mission from Western Range, United States Space Force (USSF)-91, was launched on September 24, 2022.
November 2022	Successfully accomplished the first NSSL launch on Falcon Heavy launch vehicle, USSF-44, on November 1, 2022; its successes include accurate orbital insertion of multiple payloads and the recovery of both Falcon side boosters back to land.
January 2023	The first NSSL mission to reuse a NASA-flown booster was successfully accomplished on January 18, 2023. The booster was first used for NASA's Crew-5 mission and demonstrated NSSL's ability to use NASA's assessment of the booster to satisfy flightworthiness certification requirements and save precious resources for other missions.
January 2023	Successfully accomplished the first reuse of Falcon Heavy side boosters for the USSF-67 mission on January 15, 2023. Both boosters were first flown on USSF-44 on November 1, 2022.
September 2023	MDA approved the NSSL Phase 3 ASD and issued an ADM on September 29, 2023. The ADM transitioned NSSL MDA from USD(A&S) to Assistant Secretary of the Air Force for Space Acquisition and Integration; this recategorizes the NSSL program from an ACAT 1D to an ACAT 1C.

(U) Schedule**(U) Schedule Events**

Events		Production APB (Milestone) 2/10/2013 Objective	Production Chg 1 (Current) 3/22/2022 Objective / Threshold			Current Estimate 12/31/2023	Actual
Milestone I	MS I	Dec 1996	Dec 1996	Dec 1996		-	11 Dec 1996
Milestone II	MS II	Jun 1998	Jun 1998	Jun 1998		-	15 Jun 1998
Tailored CDR	CDR	Oct 1999	Oct 1999	Oct 1999		-	31 Oct 1999
MLV First Operational Flight	Other	Aug 2002	Aug 2002	Aug 2002		-	21 Aug 2002
HLV OLSD Flight	Other	Dec 2004	Dec 2004	Dec 2004		-	21 Dec 2004
Initial & Full Operational Capability	IOC	Jun 2006	Jun 2006	Jun 2006		-	28 Jun 2006
HLV First Operational Flight	Other	Nov 2007	Nov 2007	Nov 2007		-	11 Nov 2007
Milestone C Reapproval	MS C	Feb 2013	Feb 2013	Feb 2013		-	10 Feb 2013

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	NSSL has met all Schedule Milestones and continues to effectively manage program risks associated with a dynamic launch manifest.

(U) Performance

(U) Performance Attributes

SEMI-SYNC: 10,998nm x 100nm, 55.0 deg (lbs)		[attribute type not provided]
Current Estimate 12/31/2023		2,500-4,725
Demonstrated Performance -		-
Production Chg 1 (Current) 3/22/2022	Objective	2,875-5,152 (15%)
	Threshold	2,500-4,725
Production APB (Milestone) 2/10/2013	Objective	2,875-5,152 (15%)
Payload interfaces		[attribute type not provided]
Current Estimate 12/31/2023		Std payload interface for each vehicle class (add'l interface rqmts met by payload adapter)
Demonstrated Performance -		-
Production Chg 1 (Current) 3/22/2022	Objective	One std payload interface
	Threshold	Std payload interface for each vehicle class (add'l interface rqmts met by payload adapter)
Production APB (Milestone) 2/10/2013	Objective	One std payload interface
GTO: 19,324nm x 90nm, 27 deg (lbs)		[attribute type not provided]
Current Estimate 12/31/2023		6,100-8,500
Demonstrated Performance -		-
Production Chg 1 (Current) 3/22/2022	Objective	7,015-9,775 (15%)
	Threshold	6,100-8,500
Production APB (Milestone) 2/10/2013	Objective	7,015-9,775 (15%)
Launch Pads		[attribute

		type not provided]
Current Estimate 12/31/2023		Standardized and able to launch all configs of EELV for that site
Demonstrated Performance -		-
Production Chg 1 (Current) 3/22/2022	Objective	Standardized and able to launch all configs of EELV for that site
	Threshold	Standardized and able to launch all configs of EELV for that site
Production APB (Milestone) 2/10/2013	Objective	Standardized and able to launch all configs of EELV for that site
GEO: 19,323nm x19,323nm, 0 deg (lbs)		[attribute type not provided]
Current Estimate 12/31/2023		13,500
Demonstrated Performance -		-
Production Chg 1 (Current) 3/22/2022	Objective	14,175
	Threshold	13,500
Production APB (Milestone) 2/10/2013	Objective	14,175
Vehicle Design Reliability (%)		[attribute type not provided]
Current Estimate 12/31/2023		98
Demonstrated Performance -		-
Production Chg 1 (Current) 3/22/2022	Objective	>98
	Threshold	98
Production APB (Milestone) 2/10/2013	Objective	>98
LEO: 100nm X 100nm 63.4 deg (lbs)		[attribute type not provided]
Current Estimate 12/31/2023		17,000
Demonstrated Performance -		-

Production Chg 1 (Current) 3/22/2022	Objective	19,550
	Threshold	17,000
Production APB (Milestone) 2/10/2013	Objective	19,550
POLAR 1: 450nm x 450nm, 98.2 deg (lbs)		[attribute type not provided]
Current Estimate 12/31/2023		4,400-7,000
Demonstrated Performance -		-
Production Chg 1 (Current) 3/22/2022	Objective	5,060-8,050 (15%)
	Threshold	4,400-7,000
Production APB (Milestone) 2/10/2013	Objective	5,060-8,050 (15%)
MOLNIYA: 21,150nm x 650nm, 63.4 deg (lbs)		[attribute type not provided]
Current Estimate 12/31/2023		7,000
Demonstrated Performance -		-
Production Chg 1 (Current) 3/22/2022	Objective	8,050
	Threshold	7,000
Production APB (Milestone) 2/10/2013	Objective	8,050
POLAR 2: 100nm x 100nm, 90 deg (lbs)		[attribute type not provided]
Current Estimate 12/31/2023		41,000
Demonstrated Performance -		-
Production Chg 1 (Current) 3/22/2022	Objective	43,050
	Threshold	41,000
Production APB (Milestone) 2/10/2013	Objective	43,050

(U) Requirement Source:

Sponsor(s): United States Air Force

1. Operational Requirements Document, *EELV Operational Requirement Document (ORD) II*

Validated By: Joint Requirements Oversight Council, April 24, 2012

Notes: The Performance characteristics in this table are based on the EELV Operational Requirements Document (ORD) II, dated September 15, 1998. These requirements were reconfirmed by Air Force Space Command (AFSPC/CC) via an EELV Service Acquisition Requirements Review Memorandum to the Air Force Acquisition Service Executive signed October 11, 2011. As part of the Nunn-McCurdy recertification, the Joint Requirements Oversight Council (JROC) issued a memorandum (JROCM 058-12), dated April 24, 2012, revalidating the Key Performance Parameters (KPPs) in the ORD II.

Notes

The FY 2019 NDAA contained a provision to re-name the EELV program the National Security Space Launch (NSSL) program effective March 1, 2019.

Performance attributes were not designed to represent any specific satellite mission. Demonstrated performance has been verified via Government review and analysis.

Air Force Space Command and the program office completed a Spacelift CPD on May 31, 2016. The requirements have been incorporated into two subsequent documents (SPRD and SIS), driving the design of new launch vehicles and capturing new space vehicle requirements for Phase 2 implementation.

Performance Deviation Explanation

None

(U) Acquisition Budget Estimate**(U) Total Acquisition Estimates and Quantities**

Category (\$M) Base Year: 2012	Production APB (Milestone) 2/10/2013 CY\$ obs Objective	Production Chg 1 (Current) 3/22/2022 CY\$ obs Objective / Threshold		Current Estimate PB 2025 CY\$ obs / TY\$ obs	
RDT&E	2,365.1	5,128.1	5,640.9	5,057.9	5,086.0
Procurement	59,078.3	59,078.3	64,986.1	49,508.6	59,274.1
MILCON	0.0	-	-	-	-
O&M	0.0	-	-	-	-
Total Acquisition	61,443.4	64,206.4	-	54,566.4	64,360.1
Program Acquisition Unit Cost	404.233	422.411	464.652	220.917	260.567
Average Procurement Unit Cost	391.247	391.247	430.372	201.254	240.952
Program End-Item Quantity					
Development	1	1		1	
Procurement	151	151		246	
O&M-Acquired	-	-		0	

Budget Notes

Since the last SAR in December 2023, the NSSL Procurement Cost Estimate has increased by \$5.0B. The increase was due to an increase in quantity based on Satellite Vehicle requirements. All NSSL launch services are fully funded in the year ordered, two or three years prior to launch, depending on vehicle configuration, and are fixed price. Launch support and capability costs are funded on an annual basis. The Space Force missions, purchased with Procurement funds, comprise 163 of the 246 total launches. The remaining missions in the table above include funding and quantities from other sources to include the National Reconnaissance Office and other Department of Defense partnered missions.

Quantity Notes

RDT&E Development Quantity of one, represents the Heavy-Lift Vehicle (HLV) Operational Launch Service Demonstration (OLSD), also referred to as the Heavy Demo, launched in December 2004.

Cost Baseline Deviation Explanation

None

(U) Risk and Sensitivity Analysis

Current Procurement Estimate Risks (12/31/2023)

1	<p>Risk: Fluctuations in the launch manifest could drive variability in production costs.</p> <p>Mitigation: NSSL program continually monitors the manifest and use of Firm-Fixed Price launch service contracts manage manifest variability.</p>
Current Baseline Risks (3/22/2022)	
<p>1- Current, The Current Baseline Estimate for: Procurements is the Independent Cost Estimate developed by the OSD Cost Analysis and Program Evaluation team in January 2013; RDT&E is the Service Cost Position developed by the Air Force Cost Analysis Agency in November 2021. The following are two risks identified in their estimate: creation of a more competitive launch provider environment in a declining launch need environment could increase costs to the program; and that the program launch manifest and procurement requirements remain relatively stable.</p>	
Revised Original Baseline Risks (2/10/2013)	
<p>The Current Baseline Estimate is the Independent Cost Estimate developed by the OSD Cost Analysis and Program Evaluation team in January 2013. The following are two risks identified in their estimate: creation of a more competitive launch provider environment in a declining launch need environment could increase costs to the program; and that the program launch manifest and procurement requirements remain relatively stable..</p>	

(U) Unit Costs**(U) Current Estimate Compared with Current Baseline**

Category (CY\$M) Base Year: 2012	Current Baseline 03/22/2022	Current Estimate PB 2025	% Change
Program Acquisition Unit Cost			
Acquisition Cost	64,206.4	54,566.4	
Program Quantity	152	247	
PAUC	422.411	220.917	-47.70%
Average Procurement Unit Cost			
Procurement Cost	59,078.3	49,508.6	
Procurement Quantity	151	246	
APUC	391.247	201.254	-48.56%

(U) Current Estimate Compared with Original Baseline

Category (CY\$M) Base Year: 2012	Original Baseline 02/10/2013	Current Estimate PB 2025	% Change
Program Acquisition Unit Cost			
Acquisition Cost	61,443.4	54,566.4	
Program Quantity	152	247	
PAUC	404.233	220.917	-45.35%
Average Procurement Unit Cost			
Procurement Cost	59,078.3	49,508.6	
Procurement Quantity	151	246	
APUC	391.247	201.254	-48.56%

(U) Cost Growth Details**Impacts of Schedule Changes on Unit Cost**

Not Applicable.

Impacts of Performance Changes on Unit Cost

Not Applicable.

Actions taken or Proposed to Control Future Cost Growth

Not Applicable.

Status of Each Major Contract and Significant Factors Contributing to Cost and Schedule Variance; Projected Effects on Future Program Costs

See Contracts section.

Notes

Average unit cost figures reported above are a combination of each of multiple launch vehicle configurations and annual launch capability requirements. The average unit cost will vary due to shifts in payload weight and volume, mission-unique services, number of missions per year and other factors.

(U) Life-Cycle Costs**(U) Operating and Support and Disposal Cost Estimates Compared with Baseline**

Category (\$M) Base Year: 2012	Production APB (Milestone) 2/10/2013 CY\$ obs Objective	Production Chg 1 (Current) 3/22/2022 CY\$ obs Objective / Threshold		Current Estimate CY\$ obs / TY\$ obs	
Total O&S	1,256.8	1,256.8	1,382.5	1,256.8	1,388.3
Total Disposal	-	-	-	-	-

(U) Current Cost Estimate Sources**Operating and Support Cost**

Type: Budget

Approved by: FY 2025 PB, February 26, 2024

Disposal/Demilitarization Cost

Type: Budget

Approved by: FY 2025 PB, February 26, 2024

Operating and Support Baseline Deviation Explanation

None

Cost Notes

O&S and Disposal Cost Sources: For Programs with an O&S Cost estimate or Disposal Cost estimate the O&S Cost Source and Disposal Cost Source listed in the MSAR are inaccurate due to a system limitation. See MSAR Supplement for corrected source(s).

(U) Operating and Support Variance with Prior Estimate

(CY\$M) Base Year: 2012	Estimate	
Prior Estimate (12/31/2022)	1,382.5	
Current Estimate	1,256.8	
Category	Variance	Explanation
Unit-Level Manpower	0.0	
Unit Operations	0.0	
Maintenance	0.0	
Sustaining Support	0.0	

(CY\$M) Base Year: 2012	Estimate	
Continuing System Improvements	0.0	
Other	-125.7	Error in prior report: previous Current Estimate was in TY \$. The is no change to the CY\$ estimate.
Not Categorized	0.0	

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

(CY\$M) Base Year: 2012							
System	Unit-Level Manpower	Unit Operations	Maintenance	Sustaining Support	Continuing System Improvements	Other	Total
NSSL	0.0	0.0	0.0	0.0	0.0	1,256.8	1,256.8
Program	0.0	0.0	0.0	0.0	0.0	1,256.8	1,256.8

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

No Data

(U) Operating and Support Cost Estimate Assumptions

No Data

Additional O&S Estimate Assumptions

This Program has no identified Antecedent System.

Antecedent Estimate Assumptions

None

O&S Annual Cost Calculation Memo

NSSL quantities reported are a combination of multiple launch vehicle configuration prohibiting the calculation of a per unit cost.

(U) Technologies and Systems Engineering

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

Event	Date	Description
Current	12/31/2023	All Performance Milestone Requirements have been met and the program continues to effectively manage program risks associated with technical issues of the current launch service systems.

(U) Performing Activities and Contracts**(U) External Government Activities**

None

(U) Contracts and Efforts

Contract Title	Contract Number / Effort	Contractor	Phase
United Launch Alliance Launch Services Agreement	FA8811-19-9-0003	UNITED LAUNCH SERVICES, LLC	Development
Delta IV Heavy Launch Service Procurements	FA8811-19-C-0002	UNITED LAUNCH SERVICES, LLC	Production
NSSL Phase 2 Launch Service Procurements	FA8811-20-D-0001	UNITED LAUNCH SERVICES, LLC	Production
NSSL Phase 2 Launch Service Procurements	FA8811-20-D-0002	SPACE EXPLORATION TECHNOLOGIES CORP.	Production

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

Contract Number:	FA8811-19-9-0003	Order Number:	-
Contract Title:	United Launch Alliance Launch Services Agreement	Strategy:	10 USC 4022: Authority of the Department of Defense to Carry Out Certain Prototype Projects
CAGE:	43HC6 - UNITED LAUNCH SERVICES, LLC	Contracting Office:	SSC/LE - Launch Enterprise Directorate
City, State/Province:	CENTENNIAL, CO		

Effort Number:	-	Supported Phase:	Development
Type:	Firm-Fixed-Price	Award Date:	October 10, 2018
Latest Modification Date:	-	Definitization Date:	October 10, 2018
Latest Modification No.:	-	Work Start Date:	October 10, 2018
Technical Data Rights:	-		

Notes: Cost and Schedule Variance reporting is not required on this FFP type contract.

Other Transaction Agreement is for the shared cost investment in the development of Launch Systems Prototypes with at least one-third statutory cost-sharing by contractor.

Target Price Change Explanation

There were no changes to this contract.

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
967.0 -	967.0 -	- 967.0	-	-	-

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

Contract Number:	FA8811-19-C-0002	Order Number:	-
Contract Title:	Delta IV Heavy Launch Service Procurements	Strategy:	-
CAGE:	43HC6 - UNITED LAUNCH SERVICES, LLC	Contracting Office:	SSC/LE - Launch Enterprise Directorate
City, State/Province:	CENTENNIAL, CO		

Effort Number:	-	Supported Phase:	Production
Type:	Firm-Fixed-Price	Award Date:	October 24, 2018
Latest Modification Date:	-	Definitization Date:	October 24, 2018
Latest Modification No.:	-	Work Start Date:	October 24, 2018

Technical Data Rights: -

Notes: Cost and Schedule Variance reporting is not required on this FFP type contract.

Of the three planned launches, two have been launched.

Target Price Change Explanation

The difference between the Initial Target Price and the Current Target Price is due to modifications for launch operations support.

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
467.0 -	1,674.9 -	- 1,674.9	3	3	2

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

Contract Number:	FA8811-20-D-0001	Order Number:	-
Contract Title:	NSSL Phase 2 Launch Service Procurements	Strategy:	-
CAGE:	43HC6 - UNITED LAUNCH SERVICES, LLC	Contracting Office:	SSC/LE - Launch Enterprise Directorate
City, State/Province:	CENTENNIAL, CO		

Effort Number:	-	Supported Phase:	Production
Type:	Firm-Fixed-Price	Award Date:	August 12, 2020
Latest Modification Date:	-	Definitization Date:	August 12, 2020
Latest Modification No.:	-	Work Start Date:	August 12, 2020

Technical Data Rights: -

Notes: Cost and Schedule Variance reporting is not required on this FFP type contract. There were no changes to this contract.

The difference between the Initial Quantity and the Current Quantity is due to the Task Order awards for additional missions; contract values are not dependent on quantity and therefore do not change.

Of the twenty-six launches, none have been launched.

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
3,399.7 -	3,399.7 -	- 3,399.7	2	26	-

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

Contract Number: FA8811-20-D-0002 **Order Number:** -
Contract Title: NSSL Phase 2 Launch Service Procurements **Strategy:** -
CAGE: 3BVL8 - SPACE EXPLORATION TECHNOLOGIES CORP. **Contracting Office:** SSC/LE - Launch Enterprise Directorate
City, State/Province: HAWTHORNE, CA

Effort Number: - **Supported Phase:** Production
Type: Firm-Fixed-Price **Award Date:** August 12, 2020
Latest Modification Date: - **Definitization Date:** August 12, 2020
Latest Modification No.: - **Work Start Date:** August 12, 2020
Technical Data Rights: -

Notes: Cost and Schedule Variance reporting is not required on this FFP type contract. There were no changes to this contract.

The difference between the Initial Quantity and the Current Quantity is due to the Task Order awards for additional missions; contract values are not dependent on quantity and therefore do not change.

Of the twenty-two launches, two have been launched.

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
3,339.0 -	3,339.0 -	- 3,339.0	1	22	1

(U) Deliveries and Expenditures**(U) Acquisition Funding**

	Total Estimate	Actual to Date	Actual, Percent Complete
Years Appropriated	-	-	-
Appropriations (TY, \$M)	64,360.1	64,360.1	100.0%
Expenditures (TY, \$M)	64,360.1	38,017.2	59.1%

(U) End Items Delivered

	Total Required	Planned to Date	Actual to Date	Actual, Percent Complete
Development	1			
NSSL		1	1	
Procurement	246			
NSSL		101	101	
Total	247	102	102	41.3%

Notes

None

(U) International Program Aspects

General Memo

There is no IPA for this program.

Exportability and Business Issues

Not applicable

Is design for international exportability planned?	No	Industry/Partner Exportability Cost-Sharing?	No
If not, has the MDA approved an exportability waiver for a U.S.-only design?	Not Applicable		

Program Protection: Technology Security and Foreign Disclosure Issues

Not applicable

(U) Agreements

No International Agreements have been defined for NSSL



UNCLASSIFIED

Modernized Selected Acquisition Report Supplement

National Security Space Launch (NSSL)

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

Program Description

Full Name
National Security Space Launch

Short Name
NSSL

PNO
176

Lead Component
Space Force

AAF Pathway
MCA

Acquisition Type
MDAP

Acquired Systems
NSSL

Related Programs

Full Name	PNO	Pathway	Type	ACAT/ BCAT	Acquisition Status	Costs in SAR?	
Acq	O&S						

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

National Security Space Launch

Major Software Efforts

Title	Status	Fielding Date	Description

Major Engineering Changes

Title	Original Need Date	Fielding Date	Description, Rationale and Program Impacts

Funding Sources (Acquisition)

Acquisition Funding Notes

National Security Space Launch

Category	Account	BA	Line Item	Program Element	RDT&E Project	Shared	Sunk
RDT&E	3620F	05	1206853SF - National Security Space Launch Program (SPACE) - EMD	1206853SF	650006 - Next Generation Rocket Propulsion System		
RDT&E	3600F	05	1206853F - National Security Space Launch Program (SPACE) - EMD	1206853F	650006 - Next Gen Launch System Investments		
RDT&E	3600F	05	0604853F - Evolved Expendable Launch Vehicle Program (SPACE) - EMD	0604853F	650006 - Next Generation Liquid Rocket Engine		
RDT&E	3600F	05	0604853F - Evolved Expendable Launch Vehicle Program (SPACE) - EMD	0604853F	650004 - Evolved Expendable Launch Vehicle		
RDT&E	3600F	04	0603853F - Evolved Expendable Launch Vehicle Program (SPACE)- Dem/Val	0603853F	999999 -		
Procurement	3022F	01	NSSL00 - National Security Space Launch	1203953SF	-		
Procurement	3021F	01	MSEELV - Evolved Expendable Launch Veh(Space)	1203953F	-		
Procurement	3021F	01	MSEELC - Evolved Expendable Launch Capability	1203953F	-		
Procurement	3021F	01	MSEELV - Evolved Expendable Launch Veh(Space)	0305953F	-		
Procurement	3021F	01	MSEELC - Evolved Expendable Launch Capability	0305953F	-		
Procurement	3020F	05	MSEELV - Evolved Expendable Launch Veh(Space)	0305953F	-		
Procurement	3020F	05	MSEELC - Evolved Expendable Launch Capability	0305953F	-		

Funding Sources (Operating and Support)

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

Operating and Support Funding Notes

Cost Estimate is based on the OSD CAPE ICE approved by the USD(A&S) February 10, 2013. The relevant costs are 3400 funds which fund the NSSL dedicated infrastructure to include security, utilities, and operation and maintenance of critical infrastructure at the East and Western Ranges. Also supplies daily operating funds for 30th & 45th Launch Groups. Daily operating funds provide computer equipment, network support, travel, training, base support, government purchase card funds, General Services Administration vehicles, and Scientific Engineering and Technically Assistance support. All other costs are captured within Total Acquisition Cost.

National Security Space Launch

Category	Account	BA	Line Item	Program Element	RDT&E Project	Shared	Sunk
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Acquisition Estimate and Quantity Summary

National Security Space Launch

Acquisiton Estimates

Category	PB 2025	TY (\$M)	Current Base Year	Original Base Year	Report Fiscal Year
			CY2012 (\$M)	CY2012 (\$M)	CY2024 (\$M)
RDT&E		5,086.0	5,057.9	5,057.9	6,765.5
Procurement		59,274.1	49,508.6	49,508.6	66,223.3
MILCON		-	-	-	-
O&M		-	-	-	-
Total Acquisition		64,360.1	54,566.4	54,566.4	72,988.8
PAUC		260.567	220.917	220.917	295.501
APUC		240.952	201.254	201.254	269.201

Acquisiton End-Item Quantities

System	PB 2025	Development	Procurement
NSSL		1	246
Total		1	246

Unit Description

Unit cost figures reported above are a combination of each of three different launch vehicle configurations and fixed annual launch capability payments. Unit cost will vary due to shifts in payload weight and volume, mission unique services, number of missions per year and other factors.

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

Appropriation	Prior	2024	2025	2026	2027	2028	2029	To Complete	Total
RDT&E	4,881.6	162.2	23.4	7.3	2.8	4.3	4.4	-	5,086.0
Procurement	36,413.4	3,553.6	3,005.4	3,522.2	4,728.2	3,925.3	3,050.5	1,075.5	59,274.1
MILCON	-	-	-	-	-	-	-	-	-
O&M	-	-	-	-	-	-	-	-	-
PB 2025 Total	41,295.0	3,715.8	3,028.8	3,529.5	4,731.0	3,929.6	3,054.9	1,075.5	64,360.1

Annual Acquisition Estimates by Appropriation Account

(Aligned to Budget Position: PB 2025)

National Security Space Launch

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

3620F - RDTE, Space Force					
fiscal year		Other/ Unallocated	Total TY(\$M)	Weighted Rate	Total CY2012 (\$M)
Total		1,076.7	1,076.7	-	848.0
1994			-	0.742523	-
1995			-	0.756554	-
1996			-	0.770144	-
1997			-	0.780520	-
1998			-	0.785551	-
1999			-	0.793795	-
2000			-	0.805767	-
2001			-	0.817260	-
2002			-	0.825865	-
2003			-	0.837208	-
2004			-	0.858105	-
2005			-	0.880111	-
2006			-	0.906649	-
2007			-	0.930531	-
2008			-	0.949250	-
2009			-	0.961746	-
2010			-	0.973833	-
2011			-	0.992240	-
2012			-	1.009529	-
2013			-	1.026589	-
2014			-	1.040902	-
2015			-	1.051358	-
2016			-	1.067435	-
2017			-	1.089772	-
2018			-	1.112681	-
2019			-	1.133367	-
2020			-	1.162517	-
2021		533.000	533.0	1.214342	438.9
2022		195.100	195.1	1.289842	151.3
2023		144.200	144.2	1.326746	108.7
2024		162.200	162.2	1.359084	119.3
2025		23.400	23.4	1.388299	16.9
2026		7.300	7.3	1.417453	5.2
2027		2.800	2.8	1.447219	1.9
2028		4.300	4.3	1.477611	2.9
2029		4.400	4.4	1.508641	2.9

Annual Acquisition Estimates by Appropriation Account

(Aligned to Budget Position: PB 2025)

National Security Space Launch

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 CY2012 (\$M)
Total		4,009.3	4,009.3	-	4,209.9
1994		9.800	9.8	0.742523	13.2
1995		30.000	30.0	0.756554	39.7
1996		110.600	110.6	0.770144	143.6
1997		62.9	62.9	0.780520	80.6
1998		92.3	92.3	0.785551	117.5
1999		242	242.0	0.793795	304.9
2000		321.8	321.8	0.805767	399.4
2001		388	388.0	0.817260	474.8
2002		321.8	321.8	0.825865	389.7
2003		55.8	55.8	0.837208	66.7
2004		7.5	7.5	0.858105	8.7
2005		21	21.0	0.880111	23.9
2006		19.1	19.1	0.906649	21.1
2007		29.9	29.9	0.930531	32.1
2008		18.3	18.3	0.949250	19.3
2009		33.3	33.3	0.961746	34.6
2010		43.900	43.9	0.973833	45.1
2011		53.800	53.8	0.992240	54.2
2012		14.500	14.5	1.009529	14.4
2013		29.900	29.9	1.026589	29.1
2014		46.200	46.2	1.040902	44.4
2015		225.600	225.6	1.051358	214.6
2016		224.900	224.9	1.067435	210.7
2017		381.400	381.4	1.089772	350.0
2018		381.900	381.9	1.112681	343.2
2019		428.500	428.5	1.133367	378.1
2020		414.600	414.6	1.162517	356.6

Annual Acquisition Estimates by Appropriation Account

(Aligned to Budget Position: PB 2025)

National Security Space Launch

Source for TY\$-CY\$ Conversion:

SAF/FMCE Raw and Weighted Inflation Indices for DAF Accounts: 23 Feb 2024

3022F - Procurement, Space 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 CY2012 (\$M)
Total	28,709.8	-	-	-	-	-	28,709.8	-	19,840.9
1994							-	0.759389	-
1995							-	0.766616	-
1996							-	0.776888	-
1997							-	0.787714	-
1998							-	0.795313	-
1999							-	0.805374	-
2000							-	0.814309	-
2001							-	0.823306	-
2002							-	0.836998	-
2003							-	0.846772	-
2004							-	0.865272	-
2005							-	0.889891	-
2006							-	0.915580	-
2007							-	0.938582	-
2008							-	0.955687	-
2009							-	0.969312	-
2010							-	0.983041	-
2011							-	1.003297	-
2012							-	1.020054	-
2013							-	1.043548	-
2014							-	1.058947	-
2015							-	1.071937	-
2016							-	1.091934	-
2017							-	1.117632	-
2018							-	1.152105	-
2019							-	1.185066	-
2020							-	1.228851	-
2021	1,394.900						1,394.9	1.279295	1,090.4
2022	2,051.800						2,051.8	1.328605	1,544.3
2023	2,402.400						2,402.4	1.368126	1,756.0
2024	3,553.600						3,553.6	1.399838	2,538.6
2025	3,005.400						3,005.4	1.429366	2,102.6
2026	3,522.200						3,522.2	1.459383	2,413.5
2027	4,728.200						4,728.2	1.490030	3,173.2
2028	3,925.300						3,925.3	1.521321	2,580.2
2029	3,050.500						3,050.5	1.553268	1,963.9
2030	1,075.500						1,075.5	1.585887	678.2

Annual Acquisition Estimates by Appropriation Account

(Aligned to Budget Position: PB 2025)

National Security Space Launch

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

3021F - Space 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 CY2012 (\$M)
Total	9,462.7	-	-	-	-	-	9,462.7	-	8,222.7
1994							-	0.759389	-
1995							-	0.766616	-
1996							-	0.776888	-
1997							-	0.787714	-
1998							-	0.795313	-
1999							-	0.805374	-
2000							-	0.814309	-
2001							-	0.823306	-
2002							-	0.836998	-
2003							-	0.846772	-
2004							-	0.865272	-
2005							-	0.889891	-
2006							-	0.915580	-
2007							-	0.938582	-
2008							-	0.955687	-
2009							-	0.969312	-
2010							-	0.983041	-
2011							-	1.003297	-
2012							-	1.020054	-
2013							-	1.043548	-
2014							-	1.058947	-
2015							-	1.071937	-
2016	1,994.100						1,994.1	1.091934	1,826.2
2017	2,025.800						2,025.8	1.117632	1,812.6
2018	1,735.900						1,735.9	1.152105	1,506.7
2019	2,016.500						2,016.5	1.185066	1,701.6
2020	1,690.400						1,690.4	1.228851	1,375.6

Annual Acquisition Estimates by Appropriation Account

(Aligned to Budget Position: PB 2025)

National Security Space Launch

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 CY2012 (\$M)
Total	21,101.6	-	-	-	-	-	21,101.6	-	21,445.0
1994							-	0.759389	-
1995							-	0.766616	-
1996							-	0.776888	-
1997							-	0.787714	-
1998							-	0.795313	-
1999							-	0.805374	-
2000	179.000						179.0	0.814309	219.8
2001	518.400						518.4	0.823306	629.7
2002	6.100						6.1	0.836998	7.3
2003	200.200						200.2	0.846772	236.4
2004	1,094.200						1,094.2	0.865272	1,264.6
2005	670.600						670.6	0.889891	753.6
2006	721.700						721.7	0.915580	788.2
2007	1,013.100						1,013.1	0.938582	1,079.4
2008	1,586.000						1,586.0	0.955687	1,659.5
2009	2,213.200						2,213.2	0.969312	2,283.3
2010	1,558.500						1,558.5	0.983041	1,585.4
2011	2,097.900						2,097.9	1.003297	2,091.0
2012	3,070.500						3,070.5	1.020054	3,010.1
2013	2,254.600						2,254.6	1.043548	2,160.5
2014	1,877.300						1,877.3	1.058947	1,772.8
2015	2,040.300						2,040.3	1.071937	1,903.4

Acquired System Annual End-Item Quantities by Appropriation Account

(Aligned to Budget Position: PB 2025)

National Security Space Launch

3620F - RDTE, Space Force				
fiscal year	NSSL			Total
Total	1			1
Undistributed				-
2000				-
2001				-
2003				-
2004				-
2005				-
2006				-
2007				-
2008				-
2009				-
2010				-
2011				-
2012				-
2013				-
2014				-
2015				-
2016				-
2017				-
2018				-
2019				-
2020				-
2021				-
2022	1			1

Acquired System Annual End-Item Quantities by Appropriation Account

(Aligned to Budget Position: PB 2025)

National Security Space Launch

3600F - Research, Development, Test & Eval, AF				
fiscal year	NSSL			Total
Total	-			-
Undistributed				-

Acquired System Annual End-Item Quantities by Appropriation Account

(Aligned to Budget Position: PB 2025)

National Security Space Launch

3022F - Procurement, Space Force				
fiscal year	NSSL			Total
Total	144			144
Undistributed				-
2000				-
2001				-
2003				-
2004				-
2005				-
2006				-
2007				-
2008				-
2009				-
2010				-
2011				-
2012				-
2013				-
2014				-
2015				-
2016				-
2017				-
2018				-
2019				-
2020				-
2021	4			4
2022	8			8
2023	12			12
2024	20			20
2025	16			16
2026	20			20
2027	28			28
2028	21			21
2029	15			15

Acquired System Annual End-Item Quantities by Appropriation Account

(Aligned to Budget Position: PB 2025)

National Security Space Launch

3021F - Space Procurement, Air Force				
fiscal year	NSSL			Total
Total	27			27
Undistributed				-
2000				-
2001				-
2003				-
2004				-
2005				-
2006				-
2007				-
2008				-
2009				-
2010				-
2011				-
2012				-
2013				-
2014				-
2015				-
2016	6			6
2017	5			5
2018	3			3
2019	7			7
2020	6			6

Acquired System Annual End-Item Quantities by Appropriation Account

(Aligned to Budget Position: PB 2025)

National Security Space Launch

3020F - Missile Procurement, Air Force				
fiscal year	NSSL			Total
Total	75			75
Undistributed				-
2000	1			1
2001	5			5
2003	1			1
2004	7			7
2005	4			4
2006	1			1
2007	3			3
2008	5			5
2009	6			6
2010	5			5
2011	8			8
2012	9			9
2013	7			7
2014	6			6
2015	7			7

Nuclear Costs

National Security Space Launch

Program's Use of Department of Energy Resources

None

Operational Fielding Plan

National Security Space Launch

System: NSSL

Fielding and Inventory Notes

This does not apply to NSSL.

NSSL Fielding Plan and Inventory

fiscal year	Store	Field	Expend/Loss	Decommission	Inventory
2023					
2024					-
2025					-
2026					-
2027					-
2028					-
2029					-

O&S Independent Cost Estimate

National Security Space Launch

Independent and Current Cost Estimate Comparison

Category	CY2012 (\$M)	Independent Cost Estimate 2/10/2013	Current Estimate 2/10/2013	Variance with ICE (%)
Unit-Level Manpower				-
Unit Operations				-
Maintenance				-
Sustaining Support				-
Continued System Improvements				-
Other		1,256.8	1,256.8	0%
Total O&S		1,256.8	1,256.8	0%

Independent Cost Estimate Source

Event: Nunn-McCurdy rebaseline.
 Type: Independent Cost Estimate
 Approved by: OSD Cost Assessment & Program Evaluation, February 10, 2013
 Note: Other O&S funds support critical infrastructure at the Eastern and Western Ranges.

Current Cost Estimate Source

Type: Independent Cost Estimate
 Approved by: OSD Cost Assessment & Program Evaluation, February 10, 2013
 Note: Other O&S funds support critical infrastructure at the Eastern and Western Ranges.

Cost Estimate Variance Explanation

Annual Operating and Support Estimates by Cost Element

National Security Space Launch

System: NSSL

Source for TY-CY Conversion: FY 2025 PB OSD Indices

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 CY2012 (\$M)
Total	-	-	-	-	-	1,256.8	1,256.8
2000						7.882	7.9
2001						8.606	8.6
2002						33.379	33.4
2003						33.287	33.3
2004						26.683	26.7
2005						25.139	25.1
2006						43.912	43.9
2007						45.737	45.7
2008						37.932	37.9
2009						47.242	47.2
2010						42.501	42.5
2011						40.452	40.5
2012						45.552	45.6
2013						45.840	45.8
2014						45.857	45.9
2015						45.801	45.8
2016						45.747	45.7
2017						45.695	45.7
2018						45.645	45.6
2019						45.594	45.6
2020						45.544	45.5
2021						45.495	45.5
2022						45.446	45.4
2023						45.397	45.4
2024						45.349	45.3
2025						45.302	45.3
2026						45.255	45.3
2027						45.208	45.2
2028						45.162	45.2
2029						45.116	45.1

System: NSSL

Source for TY-CY Conversion: FY 2025 PB OSD Indices

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 CY2012 (\$M)
2030						45.070	45.1