

UNCLASSIFIED

**Department of Defense
Fiscal Year (FY) 2022 Budget Estimates**

May 2021



Space Development Agency

Defense-Wide Justification Book Volume 1 of 2

Procurement, Defense-Wide

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Space Development Agency • Budget Estimates FY 2022 • Procurement

Table of Volumes

Chemical and Biological Defense Program.....	Volume 1
Defense Contract Audit Agency.....	Volume 1
Defense Contract Management Agency.....	Volume 1
Defense Counterintelligence and Security Agency.....	Volume 1
DoD Human Resources Activity.....	Volume 1
Defense Information Systems Agency.....	Volume 1
Defense Logistics Agency.....	Volume 1
Defense Media Activity.....	Volume 1
Defense POW MIA Accounting Agency.....	Volume 1
Defense Production Act Purchases.....	Volume 1
Defense Security Cooperation Agency.....	Volume 1
Defense Threat Reduction Agency.....	Volume 1
Department of Defense Education Activity.....	Volume 1
Office of the Secretary Of Defense.....	Volume 1
The Joint Staff.....	Volume 1
United States Special Operations Command.....	Volume 1

UNCLASSIFIED

UNCLASSIFIED

Space Development Agency • Budget Estimates FY 2022 • Procurement

Washington Headquarters Services..... Volume 1
Missile Defense Agency..... Volume 2

UNCLASSIFIED

UNCLASSIFIED

Space Development Agency • Budget Estimates FY 2022 • Procurement

Volume 1 Table of Contents

Introduction and Explanation of Contents.....Volume 1 - v
Comptroller Exhibit P-1.....Volume 1 - vii
Line Item Table of Contents (by Appropriation then Line Number)..... Volume 1 - xi
Line Item Table of Contents (Alphabetically by Line Item Title)..... Volume 1 - xiii
Exhibit P-40s..... Volume 1 - 1

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

Footnotes

FY 2020 Actuals

Includes Division A, Title IX and X of the Consolidated Appropriations Act, 2020 (P.L. 116-93), Division F, Title IV and V from the Further Consolidated Appropriations Act, 2020 (P.L. 116-94) and the Coronavirus Aid, Relief, and Economic Security Act (P.L. 116-136).

FY 2021 Enacted

Includes Division C, Title IX and Division J, Title IV of the Consolidated Appropriations Act, 2021 (P.L. 116-260).

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
FY 2022 President's Budget
Exhibit P-1 FY 2022 President's Budget
Total Obligational Authority
(Dollars in Thousands)

04 May 2021

Appropriation -----	FY 2020 Actual*	FY 2021 Enacted**	FY 2022 Request
Procurement, Defense-Wide			74,060
Total Defense-Wide			74,060

UNCLASSIFIED

Defense-Wide
FY 2022 President's Budget
Exhibit P-1 FY 2022 President's Budget
Total Obligational Authority
(Dollars in Thousands)

04 May 2021

Organization: Procurement, Defense-Wide -----	FY 2020 Actual*	FY 2021 Enacted**	FY 2022 Request
Space Development Agency, SDA			74,060
Total			74,060

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
FY 2022 President's Budget
Exhibit P-1 FY 2022 President's Budget
Total Obligational Authority
(Dollars in Thousands)

04 May 2021

Appropriation: Procurement, Defense-Wide

Budget Activity -----	FY 2020 Actual*	FY 2021 Enacted**	FY 2022 Request
01. Major Equipment			74,060
Total Procurement, Defense-Wide			74,060

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
 FY 2022 President's Budget
 Exhibit P-1 FY 2022 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

04 May 2021

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2020 Actual*		FY 2021 Enacted**		FY 2022 Request		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Major Equipment									

Major Equipment, SDA									
48	Joint Capability Tech Demonstration (JCTD)							74,060	U
Total Major Equipment							74,060		
Total Procurement, Defense-Wide							74,060		

UNCLASSIFIED

Space Development Agency • Budget Estimates FY 2022 • Procurement

Line Item Table of Contents (by Appropriation then Line Number)

Appropriation 0300D: Procurement, Defense-Wide

Line #	BA	BSA	Line Item Number	Line Item Title	Page
48	01	01	NSSL01	Major Equipment SDA.....	Volume 1 - 1

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Space Development Agency • Budget Estimates FY 2022 • Procurement

Line Item Table of Contents (Alphabetically by Line Item Title)

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Major Equipment SDA	NSSL01	48	01	01.....	Volume 1 - 1

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2022 Space Development Agency **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 01: Major Equipment / BSA 1: Major Equipment, SDA	P-1 Line Item Number / Title: NSSL01 / Major Equipment SDA
--	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
--	---	--

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.000	0.000	74.060	-	74.060	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.000	0.000	74.060	-	74.060	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.000	0.000	74.060	-	74.060	-	-	-	-	-	-

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Space Development Agency (SDA), established in 2019, has a mission that begins and ends with the war-fighter. SDA orchestrates the development, fielding, and operation of the Department of Defense's (DoD's) future threat-driven National Defense Space Architecture (NDSA) and uses novel approaches to accelerate the delivery of military space capabilities necessary to ensure U.S. technological and military advantage in space for national defense. SDA will deliver capabilities to joint war-fighting forces in two-year tranches, starting with the launch of Tranche 0 satellites. SDA will begin to procure launch services for Tranche 1 satellites in Fiscal Year 2022.

In accordance with the William M. (Mac) Thornberry National Defense Authorization Act (NDAA) for FY 2021, effective on October 1, 2022, SDA will be an element of the U.S. Space Force, and report to Assistant Secretary of the Air Force (ASAF) for Space Acquisition and Integration (ASAF/SA&I) with respect to acquisition decisions and directly to the Chief of Space Operations with respect to requirements decisions, personnel decisions, and any other matter not covered by ASAF/SA&I.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2022 Space Development Agency **Date:** May 2021

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 01: Major Equipment / BSA 1: Major Equipment, SDA	P-1 Line Item Number / Title: NSSL01 / Major Equipment SDA
--	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
--	---	--

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	SDA Equipment				- / 0.000	- / 0.000	- / 0.000	- / 74.060	- / -	- / 74.060
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 0.000	- / 0.000	- / 74.060	- / -	- / 74.060

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2022 is the Space Development Agency's (SDA's) first year of Procurement funding. Funding aims to provide responsive and resilient space capabilities in support of the Joint Force and as part of Joint All Domain Command and Control (JADC2), thus increasing our war-fighters' lethality, maneuverability, and survivability. FY 2022 funding will procure launch services and support space vehicle integration with the launch vehicle. Funding will also provide separation systems for space vehicles from the launch vehicle and flight representative interface hardware to space vehicle developers prior to launch for integration and test.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2022 Space Development Agency		Date: May 2021
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 01 / 1	P-1 Line Item Number / Title: NSSL01 / Major Equipment SDA	Item Number / Title [DODIC]: SDA Equipment

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	0.000	0.000	0.000	74.060	-	74.060
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	0.000	0.000	0.000	74.060	-	74.060
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	0.000	0.000	74.060	-	74.060

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2020			FY 2021			FY 2022 Base			FY 2022 OCO			FY 2022 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Launch - Launch Equipment Cost																		
Recurring Cost																		
SDA Launch	-	-	-	-	-	-	-	-	-	74.060	1	74.060	-	-	-	74.060	1	74.060
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	74.060	-	-	-	-	-	74.060
<i>Subtotal: Launch - Launch Equipment Cost</i>	-	-	-	-	-	-	-	-	-	-	-	74.060	-	-	-	-	-	74.060
Gross/Weapon System Cost	-	-	0.000	-	-	0.000	-	-	0.000	-	-	74.060	-	-	-	-	-	74.060

Remarks:

FY 2022 Plans:

- Procure launch vehicle hardware and integrate multiple space vehicles with launch vehicle.
- Procure adapters and separation systems supporting space vehicle separation from launch vehicle.
- Procure flight representative interface hardware for pre-launch integration and test.
- Conduct Early Integration Studies to document Space Vehicle-Launch Vehicle (SV-LV) interface controls and provide the predicted launch vehicle environments to the SV providers.
- Conduct launch and orbit insertion operations.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED