

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION**

**FISCAL YEAR 2001 BUDGET ESTIMATES**

**SPACE SHUTTLE BUDGET STRUCTURE CHANGE**

This FY 2001 Request is submitted in a restructured budget format for the Space Shuttle Program. The old nomenclature, "Safety and Performance Upgrades" (S&PU), will no longer be used as a budgetary naming convention. The new structure provides much more clarity with the Upgrades activity and recent augmentations included in this request. The S&PU as a budget category included many other items in addition to Upgrades, which led to confusion as to what were and were not considered upgrades. Under the new structure, upgrades are clearly delineated under each of the four line items of Flight Hardware, Ground Operations, Program Integration and Flight Operations.

The following three tables are a crosswalk from the current structure to the proposed structure for FY 1999, FY 2000, and FY 2001:

**FY 1999 Budget Crosswalk**  
(Thousands of Dollars)

<b>FY 2000 BUDGET STRUCTURE</b>	<b>FY 2001 BUDGET STRUCTURE</b>				
	FY 1999 OPLAN 12/23/99	Flight Hardware	Ground Operations	Flight Operations	Program Integration
<b><u>Space Shuttle Total</u></b>	<b><u>2,998,300</u></b>	<b><u>1,868,400</u></b>	<b><u>549,100</u></b>	<b><u>286,800</u></b>	<b><u>294,000</u></b>
<b><u>Shuttle Operations</u></b>	<b><u>2,426,700</u></b>	<b><u>1,480,800</u></b>	<b><u>450,100</u></b>	<b><u>253,000</u></b>	<b><u>242,800</u></b>
Orbiter and Integration	608,000	463,300			144,700
Propulsion	<u>1,071,200</u>	<u>1,017,500</u>			<u>53,700</u>
External Tank	363,200	363,200			
Space Shuttle Main Engine	200,000	146,300			53,700
Reusable Solid Rocket Motor	339,000	339,000			
Solid Rocket Booster	169,000	169,000			
Mission and Launch Operations	<u>747,500</u>		<u>450,100</u>	<u>253,000</u>	<u>44,400</u>
<b><u>Safety and Performance Upgrades</u></b>	<b><u>571,600</u></b>	<b><u>387,600</u></b>	<b><u>99,000</u></b>	<b><u>33,800</u></b>	<b><u>51,200</u></b>
Orbiter Improvements	234,800	211,900			22,900
Propulsion Upgrades	175,700	175,700			
Flight Operations and Launch Site Equipment	147,600		99,000	33,800	14,800
Construction of Facilities	13,500				13,500

**FY 2000 Budget Crosswalk**  
(Thousands of Dollars)

<b><u>FY 2000 BUDGET STRUCTURE</u></b>	<b>FY 2001 BUDGET STRUCTURE</b>				
	FY 2000 OPLAN REVISED	Flight Hardware	Ground Operations	Flight Operations	Program Integration
<b><u>Space Shuttle Total</u></b>	<b><u>2,979,500</u></b>	<b><u>1,884,600</u></b>	<b><u>510,300</u></b>	<b><u>244,600</u></b>	<b><u>340,000</u></b>
<b><u>Shuttle Operations</u></b>	<b><u>2,490,700</u></b>	<b><u>1,496,100</u></b>	<b><u>459,000</u></b>	<b><u>227,500</u></b>	<b><u>308,100</u></b>
Orbiter and Integration	698,800	500,100			198,700
Propulsion	1,053,100	996,000			57,100
External Tank	355,200	355,200			
Space Shuttle Main Engine	187,500	130,400			57,100
Reusable Solid Rocket Motor	356,700	356,700			
Solid Rocket Booster	153,700	153,700			
Mission and Launch Operations	738,800		459,000	227,500	52,300
<b><u>Safety and Performance Upgrades</u></b>	<b><u>488,800</u></b>	<b><u>388,500</u></b>	<b><u>51,300</u></b>	<b><u>17,100</u></b>	<b><u>31,900</u></b>
Orbiter Improvements	183,700	175,300			8,400
Propulsion Upgrades	213,200	213,200			
Flight Operations and Launch Site Equipment	80,900		51,300	17,100	12,500
Construction of Facilities	11,000				11,000

**FY 2001 Budget Crosswalk**  
(Thousands of Dollars)

**FY 2001 BUDGET STRUCTURE**

<b><u>FY 2000 BUDGET STRUCTURE</u></b>	<b>FY 2001 PRES BUDGET</b>	<b>Flight Hardware</b>	<b>Ground Operations</b>	<b>Flight Operations</b>	<b>Program Integration</b>
<b><u>Space Shuttle Total</u></b>	<b><u>3,165,700</u></b>	<b><u>2,005,900</u></b>	<b><u>551,800</u></b>	<b><u>273,600</u></b>	<b><u>334,400</u></b>
<b><u>Shuttle Operations</u></b>	<b><u>2,672,800</u></b>	<b><u>1,630,300</u></b>	<b><u>481,100</u></b>	<b><u>263,900</u></b>	<b><u>297,500</u></b>
Orbiter and Integration	724,500	506,200			218,300
Propulsion	1,167,400	1,124,100			43,300
External Tank	349,700	349,700			
Space Shuttle Main Engine	261,900	218,600			43,300
Reusable Solid Rocket Motor	418,300	418,300			
Solid Rocket Booster	137,500	137,500			
Mission and Launch Operations	780,900		481,100	263,900	35,900
<b><u>Safety and Performance Upgrades</u></b>	<b><u>492,900</u></b>	<b><u>375,600</u></b>	<b><u>70,700</u></b>	<b><u>9,700</u></b>	<b><u>36,900</u></b>
Orbiter Improvements	327,200	315,400			11,800
Propulsion Upgrades	60,200	60,200			
Flight Operations and Launch Site Equipment	90,000		70,700	9,700	9,600
Construction of Facilities	15,500				15,500