

**7NATIONAL AERONAUTICS AND SPACE ADMINISTRATION**

**FISCAL YEAR 2001 BUDGET ESTIMATES**

**SPACE OPERATIONS BUDGET STRUCTURE CHANGE**

Space Operations is a new line item in the SAT budget, beginning in FY 2001. Funding for these activities is consolidated from Space Communications Services, currently part of the Mission Support account, and Mission Communication Services, currently part of the SAT account. This is being done so to link these activities more directly with the agency programs that constitute the principal users of these facilities and services. This will enable the Space Operations Management Office (SOMO) at Johnson Space Center to more effectively manage the Space Operations program. This will ensure that the goals of NASA's exploration, science, and research and development programs are met in an integrated and cost-effective manner.

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)

**FY 2001 BUDGET STRUCTURE**

<b>FY 2000 BUDGET STRUCTURE</b>	FY 1999 OPLAN 12/23/99	Operations	Mission and Data Service Upgrades	TDRS Replenishment	Technology
<b><u>Space Operations Summary</u></b>	<b><u>565,800</u></b>	<b><u>333,500</u></b>	<b><u>92,000</u></b>	<b><u>96,900</u></b>	<b><u>43,400</u></b>
<b><u>Mission Communications Services</u></b>	<b><u>380,000</u></b>	<b><u>247,400</u></b>	<b><u>91,600</u></b>		<b><u>41,000</u></b>
<u>Ground Networks</u>	<u>157,300</u>	<u>104,500</u>	<u>44,800</u>		<u>8,000</u>
DSN Systems	70,400	32,300	30,100		8,000
DSN Operations	53,800	51,200	2,600		
STDN Systems	1,000	300	700		
STDN Operations	7,700	1,400	6,300		
AB&SR Systems	5,100	1,600	3,500		
AB&SR Operations	19,300	17,700	1,600		
<u>Mission Control and Data Systems</u>	<u>213,000</u>	<u>138,300</u>	<u>41,700</u>		<u>33,000</u>
Mission Control Systems	10,000	1,800	8,200		
Mission Control Operations	142,800	124,600	18,200		
Data Processing Systems	42,900	8,500	5,700		28,700
Data Processing Operations	17,300	3,400	9,600		4,300
<u>Space Network Customer Services</u>	<u>9,700</u>	<u>4,600</u>	<u>5,100</u>		
<b><u>Space Communications Services</u></b>	<b><u>185,800</u></b>	<b><u>86,100</u></b>	<b><u>400</u></b>	<b><u>96,900</u></b>	<b><u>2,400</u></b>
Space Network Services	7,700	7,300	400		
TDRS Replenishment Spacecraft	66,700			66,700	
TDRS Replenishment Launch Services	30,200			30,200	
NASA Integrated Services Network	81,200	78,800			2,400

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

**FY 2001 BUDGET STRUCTURE**

<b>FY 2000 BUDGET STRUCTURE</b>	FY 2000 OPLAN REVISED	Operations	Mission and Data Service Upgrades	TDRS Replenishment	Technology
<b><u>Space Operations Summary</u></b>	<b><u>496,000</u></b>	<b><u>326,500</u></b>	<b><u>97,600</u></b>	<b><u>31,700</u></b>	<b><u>40,200</u></b>
<b><u>Mission Communications Services</u></b>	<b><u>406,300</u></b>	<b><u>269,600</u></b>	<b><u>581,620</u></b>		<b><u>39,100</u></b>
<u>Ground Networks</u>	<u>159,400</u>	<u>105,000</u>	<u>45,100</u>		<u>9,300</u>
DSN Systems	74,700	31,700	34,300		8,700
DSN Operations	53,300	49,600	3,100		600
STDN Systems	300	300			
STDN Operations	3,600	3,600			
AB&SR Systems	6,100	500	5,600		
AB&SR Operations	21,400	19,300	2,100		
<u>Mission Control and Data Systems</u>	<u>242,000</u>	<u>161,300</u>	<u>50,900</u>		<u>29,800</u>
Mission Control Systems	9,700	100	9,600		
Mission Control Operations	182,700	146,400	36,300		
Data Processing Systems	41,000	8,400	2,800		29,800
Data Processing Operations	8,600	6,400	2,200		
<u>Space Network Customer Services</u>	<u>4,900</u>	<u>3,300</u>	<u>1,600</u>		
<b><u>Space Communications Services</u></b>	<b><u>89,700</u></b>	<b><u>56,900</u></b>		<b><u>31,700</u></b>	<b><u>1,100</u></b>
Space Network Services	4,400	4,400			
TDRS Replenishment Spacecraft	17,700			17,700	
TDRS Replenishment Launch Services	14,000			14,000	
NASA Integrated Services Network	53,600	52,500			1,100

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

**FY 2001 BUDGET STRUCTURE**

<b>FY 2000 BUDGET STRUCTURE</b>	FY 2001 PRES BUDGET	Operations	Mission and Data Service Upgrades	TDRS Replenishment	Technology
<b><u>Space Operations Summary</u></b>	<b><u>529,400</u></b>	<b><u>329,800</u></b>	<b><u>106,200</u></b>	<b><u>55,000</u></b>	<b><u>38,400</u></b>
<b><u>Mission Communications Services</u></b>	<b><u>422,000</u></b>	<b><u>278,300</u></b>	<b><u>106,200</u></b>		<b><u>37,500</u></b>
<u>Ground Networks</u>	<u>158,600</u>	<u>107,900</u>	<u>44,500</u>		<u>6,200</u>
DSN Systems	71,100	31,600	33,800		5,700
DSN Operations	56,400	52,700	3,200		500
STDN Systems	1,300	200	1,100		
STDN Operations	3,400	3,200	200		
AB&SR Systems	5,300	800	4,500		
AB&SR Operations	21,100	19,400	1,700		
<u>Mission Control and Data Systems</u>	<u>254,600</u>	<u>168,200</u>	<u>55,100</u>		<u>31,300</u>
Mission Control Systems	8,200	100	8,100		
Mission Control Operations	196,000	154,700	41,300		
Data Processing Systems	40,100	9,400	2,600		28,100
Data Processing Operations	10,300	4,000	3,100		3,200
<u>Space Network Customer Services</u>	<u>8,800</u>	<u>2,200</u>	<u>6,600</u>		
<b><u>Space Communications Services</u></b>	<b><u>107,400</u></b>	<b><u>51,500</u></b>		<b><u>55,000</u></b>	<b><u>900</u></b>
Space Network Services	4,800	4,800			
TDRS Replenishment Spacecraft	14,500			14,500	
TDRS Replenishment Launch Services	40,500			40,500	
NASA Integrated Services Network	47,600	46,700			900