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RESEARCH AND
ENGINEERING

THE UNDER SECRETARY OF DEFENSE

WASHINGTON D C 20301



30 SEP 1983

MEMORANDUM FOR ASSISTANT SECRETARY OF THE ARMY (RESEARCH,
DEVELOPMENT AND ACQUISITION)
ASSISTANT SECRETARY OF THE NAVY (RESEARCH,
ENGINEERING AND SYSTEMS)
ASSISTANT SECRETARY OF THE AIR FORCE (RESEARCH,
DEVELOPMENT AND LOGISTICS)
DIRECTOR, DEFENSE ADVANCED RESEARCH PROJECTS
AGENCY
DIRECTOR, DEFENSE COMMUNICATIONS AGENCY
DIRECTOR, DEFENSE MAPPING AGENCY
DIRECTOR, COMMAND, CONTROL COMMUNICATIONS AND
COMPUTER SYSTEMS DIVISION, HQ MARINE CORPS
DIRECTOR, DEFENSE INTELLIGENCE AGENCY
DIRECTOR, DEFENSE NUCLEAR AGENCY

Department of the Navy
DON/AA DRMD

Date: 1/10/84 Authority: EO 13526

Declassify: X Deny in Full: _____

Declassify in Part: _____

Reason: _____

MDR 2014 -M-0118

SUBJECT: Annual Space Program Review

The DoD Space and Space-Related Program Data Handbook has been compiled and published by OUSDRE since 1969. The primary purpose of this handbook is to provide a comprehensive, descriptive and budgetary data base for DoD space activities. These data are used to support preparation of Congressional testimony, respond to requests from OMB, and support activities such as preparation of the annual Aeronautics and Space Report of the President, and special studies such as NSDD-13-82, National Space Strategy.

MDR

To make the handbook more responsive to future studies and Congressional requests, we plan to implement changes both to the reporting mechanism and the procedures to fully automate the compilation of the financial data base. Accordingly, it is requested that you provide one copy of the Descriptive Summaries (copy only on one side) and the Program Data Sheet (attachment 1) for all space and space-related programs. Criteria for determining whether a program is space or space-related is provided in attachment 2. A listing of previously submitted space and space-related programs (attachment 3) should be updated to reflect any changes, additions or deletions in PEs, categories and percentage of the PE that is space related. The approved categories to be used in annotating this list are provided in attachment 4. You will note that an additional space handbook category, Strategic and Tactical Intelligence (code 0), has been assigned. The Air Force mission area categories reflect the breakout used in responding to NSDD-13-82.

13-M-4759

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UPON REMOVAL OF ATTACHMENTS THIS
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We will continue to use the format adopted for last year's submission. This format consists of providing the Descriptive Summaries in one volume and the Program Data Sheets and financial data base in an Annex. This format allows for the widest distribution of the descriptive data while at the same time strictly controlling the budgetary information.

Mr. Dennis J. Granato (RM 3E129, X59292) is the OUSDRE point of contact for this action. Questions and inputs should be made directly to him. A schedule for completing this task is included in attachment 5.

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Robert S. Cooper
Acting

Attachments:

1. Program Data Sheet
2. Space Related Criteria
3. Space PE Listing
4. Space Categories
5. Schedule

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CLASSIFICATION
 DoD SPACE PROGRAM DATA SHEET

Program Element: _____ Program Element Monitor: _____ OSD Focal Point: _____
 Program Name: _____ Org: _____ Phone: _____ Org: _____ Phone: _____

1. () Funding : \$ In Millions

	<u>FY</u>	<u>83</u>	<u>84</u>	<u>85</u>	<u>86</u>	<u>87</u>	<u>88</u>	<u>89</u>
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RDT&E (Indicate space portion of President's FY 85 Budget
 Procurement for each type of funding.
 Other Procurement Round all figures to nearest
 O&M 10th of a million).
 MILCON
 MILPERS
 etc.

2. () Program Management Overhead: Man-Years

	<u>FY</u>	<u>83</u>	<u>84</u>	<u>85</u>	<u>86</u>	<u>87</u>	<u>88</u>	<u>89</u>
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Officers (Indicate the number of government personnel involved
 Enlisted in the management of the development, acquisition and
 Civilians operation of the system. Do include program office and
 staff personnel at all levels (e.g., if Air Staff Officer
 is responsible for several programs, show that part of the
 manpower devoted to each program)).

TOTAL

3. () Basis for Funding Estimate: Percent of program element which is space related.
 (Indicate as a percentage of the total program element funding which is the space or space-
 related; and if pertinent, any assumptions on which funding estimates are based).
 4. () Launch Vehicle Requirements: Indicate total number, type required and delivery date
 including test, backup, etc. If included in the Descriptive Summary, state "See Section _____
 of Descriptive Summary."
 5. () Launch Schedule: Indicate, as applicable, the launch schedule associated with the
 program element.

Classified By:
 Review On:

**CRITERIA FOR SPACE
AND SPACE RELATED PROGRAMS**

Program includes space-based system elements.

Program with system elements whose primary mission is space related.

Program has system elements whose mission is partially space related.

Support infrastructure (i.e. Management, Administrative, and Logistic support, etc.) is involved with space missions.

Programs contribute to space technology or capability.

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PROGRAM ELEMENT	PROGRAM TITLE	PERCENT	SPACE HANDBOOK CATEGORY	AF MISSION AREA	(1=100)
AIR FORCE					
11312F	Post Attack C ² Sys (PACCS)			FB	0.081
12310F	WWMCCS ADP-NORAD			SC	0.670
12311F	NORAD COC		8	SC	0.800
12323F	NORAD COC-COMM			FB	1.000
12423F	BMEWS			FB	0.500
12424F	Spacetrack		7	FB	1.000
12430F	AWS		4	FB	1.000
12431F	DSP		4	FB	1.000
12432F	SLBM Radar Wrng Sys (PAVE PAWS)			FB	1.000
12433F	IONDS		8	FB	1.000
12442F	BMEWS-COMM			FB	1.000
12443F	Spacetrack-COMM		7	FB	1.000
12445F	SLBM Radar Wrng Sys-COMM			FB	1.000
12447F	DSP-COMM		4	FB	1.000
12449F	Shuttle		6	SS	1.000
12450F	ASAT		8	SC	1.000
12496F	Base OPS (SPACECOM)			SS	1.000
12498F	MGMT HQS (SPACECOM)			SS	1.000
12894F	Real Prop Maint Act (SPACECOM)			SS	0.060
12895F	Command & Base Comm (SPACECOM)			SS	0.130
12896F	Base Ops (SPACECOM)			SS	0.030
12898F	Mgmt HQS (Strat Def Forces)			SS	0.080
27247F	TENCAP			FB	1.000
<hr/>					
31334F	GDIP			SC	0.750
31357F	IONDS		8	FB	1.000
32015F	NEACP			FB	0.160
33110F	DSCS		2	FB	1.000
33401F	COMSEC		2	FB	0.090
33601F	AFSATCOM		2	FB	1.000
33603F	MILSTAR		2	FB	1.000
33605F	Sat Comm Terminals			FB	1.000
34111F	Special Activities		9	FB	1.000
35110F	SCF		7	SS	1.000
35119F	Space Boosters		6	SS	1.000
35130F	CSOC		7	SS	1.000
35151F	SCF-COMM		7	SS	1.000
35158F	SDS	OSD 3.3(b)(1)	2	FB	1.000
35159F	DRSP			FB	1.000
35160F	DMSP		5	FB	1.000
35162F	DMSP-COMM		5	FB	1.000
35164F	GPS		1	FB	1.000
35165F	GPS		1	FB	1.000
35171F	Space Launch Spt		6	SS	1.000
35172F	Bernie		9	FB	1.000
35896F	Base Ops (SCF)		7	SS	1.000

USAF
3.3(b)(1)

OSD 3.3(b)(1)

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PROGRAM ELEMENT	PROGRAM TITLE	SPACE HANDBOOK CATEGORY	AF MISSION AREA	PERCENT (1=100)
AIR FORCE				
61102F	Def Research Sci	8	SS	0.120
62101F	Geophysics	8	SS	0.440
62102F	Materials	8	SS	0.150
62201F	Aerosp Flt Dynamics	8	SS	0.030
62202F	Aerosp Biotech		SS	0.010
62203F	Aerosp Propulsion	8	SS	0.050
62204F	Aerosp Avionics/VHSI	8	SS	0.050
62302F	Rocket Propulsion	8	SS	0.370
62601F	ADV Weapons	8	SS	0.110
62602F	Conventional Munitions	8	SS	0.040
62702F	C ³	8	SS	0.070
63211F	Aerosp Structure/Materials	8	SS	0.240
63250F	Lincoln Lab	9	SS	0.330
63302F	ADV MSL Propulsion	8	SS	0.330
63303F	TRIM		FA	1.000
63311F	ASMS		FA	0.190
63365F	Space Biotech		SS	1.000
63401F	Space Veh Subsys	6	SC	1.000
63402F	Space Test Program	8	SS	1.000
63406F	Adv Mil Spacecraft Capability	6	SS	1.000
63410F	Space Sys Environ Interaction	8	SS	1.000
63424F	MST	8	FB	1.000
63425F	AWS	4	FB	1.000
63428F	Space Surv Tech	8	FB	1.000
63431F	Space Comm	8	FB	1.000
63438F	Sat Sys Surviv	8	SC	1.000
63603F	Space Laser Program	8	FA	1.000
63605F	ADV Radiation Tech	8	SS	0.600
63735F	WMMCCS ARCH		FB	0.500
64406F	Space Def Sys-ASAT	8	SC	1.000
64411F	Shuttle	6	SS	1.000
64711F	Sys Surviv (Nuclear Effects)	8	SS	0.300
64750F	Intel Equip		SC	0.500
64778F	GPS(User Equip)	1	FB	1.000
65806F	ACQ & CMD SPT	9	FB	0.006
65807F	T&E Spt	9	SS	0.125
65808F	ADV Sys Eng/Plan	9	SS	0.500
78022F	BTR	7	SS	0.300
78032F	WTR	7	SS	0.500
78034F	SAMTEC-Comm	2	SS	0.400
78094F	RPMA BTR		SS	0.300
84731F	Gen Skill Training		SS	0.006
84751F	PME		SS	0.006
84772F	Training Devel		SS	0.050
85796F	Base OPS Training		SS	0.007

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PROGRAM ELEMENT	PROGRAM TITLE	HB CAT	AF MSN ARBA	PERCENT (1=100%)
<u>NAVY</u>				
11221N	FBM System (Transit)	1		0.01
12427N	Space Surveillance	7		1.00
24572N	Space Activities		?	
33109N	Satellite Comm	7		1.00
34111N	Special Activities	9		?
34114N	Special Activities Spt	9		?
35111N	Weather Service	5		1.00
35160N	DMSP	5		1.00
35164N	NAVSTAR GPS (User Equip)	1		1.00
61153N	Def Research Sciences	8		1.00
62712N	Surface/Aerospace Tgt Surveil	8		1.00
62734N	Countermeasures Technology	8		1.00
63207N	Environmental Applications	5		?
63371N	Trident II Msl Sys-GEOSAT	3		0.00
63704N	Oceanographic Instrumentation	5		?
63763N	Aero/Ocean Surveillance	8		?
64218N	Environmental Sys	5		?
64577N	BHF Station	2		1.00
64777N	NAVSTAR GPS	1		1.00
71113N	Procurement Operations			?
<u>DMA</u>				
35131B	MC&G	3	FE	0.040
35159B	DRSP	3	FE	0.260
63701B	MC&G-Inv/Proto Dev	3	FE	0.094
64701B	MC&G-Engr Dev/Test	3	FE	0.094
<u>DCA</u>				
32019K	WMCS Sys Engr-MILSATCOM	2	FE	?
33126K	Long-Haul Comm-DSCS	2	FE	0.130
<u>MARINES</u>				
26313M	Marine Telecommunicatiions	2		?
64719M	MC COMD/CNTRL/COMM SYS-GPS	1		?

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<u>PROGRAM ELEMENT</u>	<u>PROGRAM TITLE</u>	<u>HB CAT</u>	<u>AF MSN AREA</u>	<u>PERC (1=100%)</u>
<u>ARMY</u>				
31315A	Msl & Space Tech Collect			?
33142A	SATCOM Ground Environ	2		?
63730A	Tactical Surveil Sys	9		1.00
63766A	Tactical Elec Surveil Sys	9		1.00
64740A	Tactical Surveil Sys	9		1.00
64766A	Tact Elec Surveil Sys	9		1.00
64778A	NAVSTAR GPS (User Equip)	1		?
65804A	DARCOM Major Range/Test Fac	7		?
<u>DARPA</u>				
62301B	Space Surveillance & Adv Optics	8		1.000
62301B	Warning Technology	8		1.000
62301B	Special Application Tech	8		1.000
62301B	SLC	8		0.500
62707B	Space Nuclear Power	8		1.000
62711B	Teal Ruby	8		1.000
62711B	Talon Gold	8		1.000
62711B	Alpha	8		1.000
62711B	LODB	8		1.000
<u>DRSP</u>				
35159I	DRSP			1.000
<u>DIA</u>				
35159L	DRSP			1.000
<u>OSD</u>				
34111D	Special Activities			1.000

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SPACE CATEGORIES

Current Space Handbook

1. Navigation
2. Communications
3. Mapping, Charting and Geodesy
4. Tactical Warning & Attack Assessment
5. Meteorology & Oceanography
6. Launch Vehicle Acquisition & Operations
7. Ground Support
8. Supporting R&D
9. General Support
0. Strategic and Tactical Intelligence

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Air Force Mission Areas

	<u>Description</u>	<u>Functions</u>
Force Enhancement (FE)	Space based capability to augment the effectiveness of land, naval, and air forces	Communications, navigation, space surveillance, reconnaissance
Force Application (FA)	Capability to deliver weapons against terrestrial (land, sea, air) targets	Strategic offense/defense, and theater ops
Space Control (SC)	Capability to selectively deny access to an enemy and maintain freedom of operations for friendly forces	Counter space ops, space interdiction
Space Support (SS)	Covers all activities necessary to deploy and operate spacecraft	Launch ops, orbit transfer, on orbit control
Space RDT&E (RD)	Non-system specific space related R&D and generic T&E support	Support development of space systems and related technologies

CHRONOLOGY FOR SPACE AND SPACE-RELATED
PROGRAM DATA COMPILATION

- 10 Oct - Identify Service/Agency Action Officer to OUSDRE
- 15 Nov - Submit marked up version of attachment 3
- 1 Jan - Submit Descriptive Summaries and Program Data Sheets
- 15 Mar - Target date for Handbook distribution

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