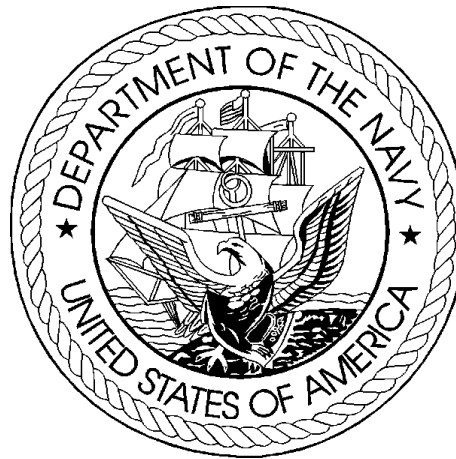


DEPARTMENT OF THE NAVY
FISCAL YEAR (FY) 2004/2005
BIENNIAL BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES
FEBRUARY 2003

RESEARCH, DEVELOPMENT, TEST &
EVALUATION, NAVY
BUDGET ACTIVITY 5

UNCLASSIFIED

Department of the Navy

FY 2004/2005 R D T E Program

Exhibit R-1

APPROPRIATION: 1319n Research, Development, Test, and Evaluation, Navy

DATE: February 2003

LINE NO	PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	Thousands of Dollars					S E C
			BA	FY 2002	FY 2003	FY 2004	FY 2005	
88	0604212N	Other Helo Development	05	79.983	35.383	66.764	193.627	U
89	0604214N	AV-8B Aircraft - Eng Dev	05	34.251	18.154	10.527	12.365	U
90	0604215N	Standards Development	05	71.083	39.443	50.063	55.431	U
91	0604216N	Multi-Mission Helicopter Upgrade Development	05	141.446	92.831	76.998	79.152	U
92	0604217N	S-3 Weapon System Improvement	05	0.401	0.413	0.000	0.000	U
93	0604218N	Air/Ocean Equipment Engineering	05	6.386	7.555	4.309	4.779	U
94	0604221N	P-3 Modernization Program	05	6.014	2.297	7.306	6.785	U
95	0604230N	Warfare Support System	05	0.000	0.000	1.466	1.958	U
96	0604231N	Tactical Command System	05	64.068	68.768	68.805	60.460	U
97	0604234N	E-2C Radar Modernization	05	75.661	111.186	352.298	537.837	U
98	0604245N	H-1 Upgrades	05	167.706	236.039	90.589	61.174	U
99	0604261N	Acoustic Search Sensors	05	16.140	13.621	15.831	20.290	U
100	0604262N	V-22A	05	415.819	410.780	441.142	306.982	U
101	0604264N	Air Crew Systems Development	05	15.915	7.524	8.765	8.032	U
102	0604270N	EW Development	05	119.237	79.543	256.701	390.964	U
103	0604273N	VHXX Executive Helo Development	05	0.000	0.000	197.431	199.577	U
104	0604280N	Joint Tactical Radio System - Navy (JTRS-Navy)	05	0.000	19.913	87.943	84.140	U
105	0604300N	SC-21 Total Ship System Engineering	05	235.952	688.170	1,037.987	1,438.998	U
106	0604307N	Surface Combatant Combat System Engineering	05	320.187	340.426	205.733	208.048	U
107	0604311N	LPD-17 Class Systems Integration	05	0.947	9.909	7.989	8.659	U
108	0604312N	Tri-Service Standoff Attack Missile	05	1.871	14.613	25.137	27.162	U
109	0604329N	Small Diameter Bomb (SDB)	05	0.000	1.945	0.000	0.000	U

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APPROPRIATION: 1319n Research, Development, Test, and Evaluation, Navy

DATE: February 2003

LINE NO	PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	Thousands of Dollars					S E C
			BA	FY 2002	FY 2003	FY 2004	FY 2005	
110	0604366N	Standard Missile Improvements	05	13.574	20.819	76.927	100.683	U
111	0604373N	Airborne MCM	05	58.363	73.728	88.514	49.954	U
112	0604503N	SSN-688 and Trident Modernization	05	66.764	123.765	80.815	66.797	U
113	0604504N	Air Control	05	13.213	4.841	10.472	7.357	U
114	0604507N	Enhanced Modular Signal Processor	05	0.972	0.502	1.006	1.085	U
115	0604512N	Shipboard Aviation Systems	05	16.684	26.031	18.352	25.255	U
116	0604518N	Combat Information Center Conversion	05	5.070	0.000	21.244	16.489	U
117	0604558N	New Design SSN	05	192.053	240.731	112.355	118.303	U
118	0604561N	SSN-21 Developments	05	5.448	16.353	13.482	3.057	U
119	0604562N	Submarine Tactical Warfare System	05	37.209	25.089	32.238	35.670	U
120	0604567N	Ship Contract Design/ Live Fire T&E	05	122.405	181.098	138.017	140.018	U
121	0604574N	Navy Tactical Computer Resources	05	38.596	15.803	2.267	2.456	U
122	0604601N	Mine Development	05	0.000	1.458	1.497	6.247	U
123	0604603N	Unguided Conventional Air-Launched Weapons	05	16.773	13.697	9.701	0.000	U
124	0604610N	Lightweight Torpedo Development	05	9.900	14.638	3.442	10.072	U
125	0604618N	Joint Direct Attack Munition	05	49.037	47.780	33.029	66.015	U
126	0604654N	Joint Service Explosive Ordnance Development	05	7.810	7.609	8.136	8.113	U
127	0604703N	Personnel, Training, Simulation, and Human Fa	05	1.257	1.303	1.941	2.183	U
128	0604710N	Navy Energy Program	05	3.030	6.789	0.000	0.000	U
129	0604721N	Battle Group Passive Horizon Extension System	05	9.310	17.077	16.942	18.078	U
130	0604727N	Joint Standoff Weapon Systems	05	30.282	16.283	0.775	0.526	U
131	0604755N	Ship Self Defense (Detect & Control)	05	62.141	60.598	40.930	25.633	U

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FY 2004/2005 R D T E Program

Exhibit R-1

APPROPRIATION: 1319n Research, Development, Test, and Evaluation, Navy

DATE: February 2003

LINE NO	PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	BA	Thousands of Dollars				S E C	
				FY 2002	FY 2003	FY 2004	FY 2005		
132	0604756N	Ship Self Defense (Engage: Hard Kill)	05	33.075	29.367	23.076	31.032	U	
133	0604757N	Ship Self Defense (Engage: Soft Kill/EW)	05	41.350	43.970	35.508	28.566	U	
134	0604771N	Medical Development	05	22.585	72.024	9.121	9.351	U	
135	0604777N	Navigation/ID System	05	22.317	45.579	45.726	28.788	U	
136	0604784N	Distributed Surveillance System	05	42.514	37.591	28.755	64.107	U	
137	0604800N	Joint Strike Fighter (JSF) - EMD	05	724.911	1,708.900	2,171.736	2,226.004	U	
138	0604910N	Smart Card	05	0.844	0.695	0.552	0.697	U	
139	0605013M	Marine Corps IT Dev/Mod	05	10.219	7.894	8.835	11.722	U	
140	0605013N	Information Technology Development	05	63.489	73.314	30.562	25.135	U	
141	0605014N	Def Integ Mil Human Resources Sys (DIMHRS) - RDT&E	05	44.410	50.115	78.724	49.552	U	
142	0605015N	Joint Counter-Intel Assessment Group (JCAG) - RDT&E	05	5.918	0.000	0.000	0.000	U	
143									
144	0605500N	Multi-mission Maritime Aircraft (MMA)	05	41.741	68.123	76.243	343.800	U	
145	0508713N	Navy Standard Integrated Personnel System (NSIPS)	05	11.360	12.507	4.653	4.393	U	
TOTAL	Engineering and Manufacturing Development				3,606.058	5,264.584	6,239.357	7,233.558	

**Fiscal Year 2004/2005 Budget Estimates
Budget Appendix Extract Language**

**RESEARCH, DEVELOPMENT, TEST & EVALUATION, NAVY
(RDTEN)**

For expenses necessary for basic and applied scientific research, development, test and evaluation, including maintenance, rehabilitation, lease, and operation of facilities and equipment, [\$13,946,085,000] \$14,106,653,000, to remain available for obligation until September 30, [2004] 2005: *Provided*, That funds appropriated in this paragraph which are available for the V-22 may be used to meet unique operational requirements of the Special Operations Forces: *Provided further*, That funds appropriated in this paragraph shall be available for the Cobra Judy program. (10 U.S.C. 174, 2352-54, 7522; Department of Defense Appropriations Act, 2003.)