

TITLE IV—RESEARCH, DEVELOPMENT, TEST AND
EVALUATION

The conference agreement provides \$72,420,675,000 in Title IV, Research, Development, Test and Evaluation, instead of \$72,983,469,000 as proposed by the House and \$71,033,956,000 as proposed by the Senate. The conference agreement on items addressed by either the House or the Senate is as follows:

672

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	CONFERENCE

RECAPITULATION		
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY.....	9,683,980	8,745,492
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY.....	17,956,431	17,753,940
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE.	27,737,701	26,535,996
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE.....	19,755,678	19,193,955
OPERATIONAL TEST AND EVALUATION, DEFENSE.....	191,292	191,292
GRAND TOTAL, RDT&E.....	75,325,082	72,420,675
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SPECIAL INTEREST ITEMS

Items for which additional funds have been provided as shown in the project level tables or in paragraphs using the phrase “only for” or “only to” in this report are congressional special interest items for the purpose of the Base for Reprogramming (DD Form 1414). Each of these items must be carried on the DD Form 1414 at the stated amount specifically addressed in the explanatory statement.

REPROGRAMMING GUIDANCE FOR ACQUISITION ACCOUNTS

The conferees direct the Department of Defense to continue to follow the reprogramming guidance specified in the report accompanying the House version of the fiscal year 2006 Department of Defense Appropriations bill (H.R. 109–119). Specifically, the dollar threshold for reprogramming funds will remain at \$20,000,000 for procurement and \$10,000,000 for research, development, test and evaluation. The Department shall continue to follow the limitation that prior approval reprogrammings are set at either the specified dollar threshold or 20 percent of the procurement or research, development, test and evaluation line, whichever is less. These thresholds are cumulative. Therefore, if the combined value of transfers into or out of a procurement (P–1) or research, development, test and evaluation (R–1) line exceeds the identified threshold, the Department of Defense must submit a prior approval reprogramming to the congressional defense committees. In addition, guidelines on the application of prior approval reprogramming procedures for congressional special interest items are established elsewhere in this statement.

REPROGRAMMING REPORTING REQUIREMENTS

The conferees direct the Under Secretary of Defense (Comptroller) to continue to provide the congressional defense committees quarterly, spreadsheet-based DD Form 1416 reports for service and defense-wide accounts in titles III and IV of this Act as required in the explanatory statement accompanying the Department of Defense Appropriations Act, 2006.

DEPARTMENT OF DEFENSE AND SERVICE CYBER ACTIVITIES

The conferees acknowledge the threat to and from the cyber realm has been well documented; however, the resources being expended against the threat have not. In order to better evaluate the planning and resourcing for Department of Defense cyber activities, the conferees direct the Commander, United States Cyber Command, in coordination with the Secretary of Defense and each of the Service Secretaries, to provide the congressional defense committees separate budget justification material, in the form of the budget documents as defined in the Department’s own Financial Management Regulation, that details the year-to-year budgets, schedule, and milestone goals over the Future Years Defense Program for the individual programs that support the goals of the cyber initiative. The programs detailed must include cyberspace operations, computer network operations, information assurance, and

full spectrum cyber operations for the Department of Defense and the Services.

The conferees suggest that the Department continue to refine what activities, budget lines, and programs should be considered cyber in order to better coordinate and track these budgets.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY

The conference agreement on items addressed by either the House or the Senate is as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	CONFERENCE
RESEARCH, DEVELOPMENT, TEST & EVAL., ARMY		
BASIC RESEARCH		
1	IN-HOUSE LABORATORY INDEPENDENT RESEARCH.....	21,064 21,064
2	DEFENSE RESEARCH SCIENCES.....	213,942 213,942
3	UNIVERSITY RESEARCH INITIATIVES.....	80,977 80,977
4	UNIVERSITY AND INDUSTRY RESEARCH CENTERS.....	120,937 140,937
	TOTAL, BASIC RESEARCH.....	436,920 456,920
APPLIED RESEARCH		
5	MATERIALS TECHNOLOGY.....	30,258 50,758
6	SENSORS AND ELECTRONIC SURVIVABILITY.....	43,521 43,521
7	TRACTOR HIP.....	14,230 14,230
8	AVIATION TECHNOLOGY.....	44,610 44,610
9	ELECTRONIC WARFARE TECHNOLOGY.....	15,790 15,790
10	MISSILE TECHNOLOGY.....	50,685 67,185
11	ADVANCED WEAPONS TECHNOLOGY.....	20,034 20,034
12	ADVANCED CONCEPTS AND SIMULATION.....	20,933 20,933
13	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY.....	64,306 64,306
14	BALLISTICS TECHNOLOGY.....	59,214 59,214
15	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY....	4,877 4,877
16	JOINT SERVICE SMALL ARMS PROGRAM.....	8,244 8,244
17	WEAPONS AND MUNITIONS TECHNOLOGY.....	39,813 54,813
18	ELECTRONICS AND ELECTRONIC DEVICES.....	62,962 62,962
19	NIGHT VISION TECHNOLOGY.....	57,203 55,203
20	COUNTERMINE SYSTEMS.....	20,280 32,780
21	HUMAN FACTORS ENGINEERING TECHNOLOGY.....	21,801 21,801
22	ENVIRONMENTAL QUALITY TECHNOLOGY.....	20,837 20,837
23	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY.....	26,116 26,116
24	COMPUTER AND SOFTWARE TECHNOLOGY.....	8,591 8,591
25	MILITARY ENGINEERING TECHNOLOGY.....	80,317 80,317
26	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY.....	18,946 18,946
27	WARFIGHTER TECHNOLOGY.....	29,835 46,335

(IN THOUSANDS OF DOLLARS)

		BUDGET REQUEST	CONFERENCE
28	MEDICAL TECHNOLOGY.....	105,929	105,929
	TOTAL, APPLIED RESEARCH.....	869,332	948,332
29	ADVANCED TECHNOLOGY DEVELOPMENT WARFIGHTER ADVANCED TECHNOLOGY.....	52,979	52,979
30	MEDICAL ADVANCED TECHNOLOGY.....	68,171	102,971
31	AVIATION ADVANCED TECHNOLOGY.....	62,193	62,193
32	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY.....	77,077	77,077
33	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY.....	106,145	146,145
34	COMMAND, CONTROL, COMMUNICATIONS ADVANCED TECHNOLOGY..	5,312	5,312
35	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY..	10,298	10,298
36	ELECTRONIC WARFARE ADVANCED TECHNOLOGY.....	57,963	69,963
37	TRACTOR HIKE.....	8,155	8,155
38	NEXT GENERATION TRAINING & SIMULATION SYSTEMS.....	17,936	17,936
39	TRACTOR ROSE.....	12,597	12,597
40	MILITARY HIV RESEARCH.....	6,796	22,796
41	COMBATING TERRORISM, TECHNOLOGY DEVELOPMENT.....	12,191	12,191
42	TRACTOR NAIL.....	4,278	4,278
43	TRACTOR EGGS.....	2,261	2,261
44	ELECTRONIC WARFARE TECHNOLOGY.....	23,677	23,677
45	MISSILE AND ROCKET ADVANCED TECHNOLOGY.....	90,602	90,602
46	TRACTOR CAGE.....	10,315	10,315
47	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM.....	183,150	228,150
48	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY.....	31,541	31,541
49	JOINT SERVICE SMALL ARMS PROGRAM.....	7,686	7,686
50	NIGHT VISION ADVANCED TECHNOLOGY.....	42,414	42,414
51	ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS.....	15,959	15,959
52	MILITARY ENGINEERING ADVANCED TECHNOLOGY.....	36,516	36,516
53	ADVANCED TACTICAL COMPUTER SCIENCE & SENSOR TECHNOLOGY	30,600	30,600
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	976,812	1,124,612

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	CONFERENCE
55	DEMONSTRATION & VALIDATION ARMY MISSILE DEFENSE SYSTEMS INTEGRATION.....	36,009 24,009
56	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION (SPACE).....	9,612 9,612
58	LANDMINE WARFARE AND BARRIER - ADV DEV.....	35,383 19,293
59	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV.....	9,501 4,501
60	TANK AND MEDIUM CALIBER AMMUNITION.....	39,693 39,693
61	ADVANCED TANK ARMAMENT SYSTEM (ATAS).....	101,408 64,408
62	SOLDIER SUPPORT AND SURVIVABILITY.....	9,747 3,843
63	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM - AD.....	5,766 5,766
65	ENVIRONMENTAL QUALITY TECHNOLOGY.....	4,946 4,946
66	WARFIGHTER INFORMATION NETWORK-TACTICAL.....	297,955 182,955
67	NATO RESEARCH AND DEVELOPMENT.....	4,765 4,765
68	AVIATION - ADV DEV.....	7,107 7,107
69	LOGISTICS AND ENGINEER EQUIPMENT - ADV DEV.....	19,509 12,509
70	COMBAT SERVICE SUPPORT CONTROL SYSTEM EVALUATION.....	5,258 5,258
71	MEDICAL SYSTEMS - ADV DEV.....	34,997 34,997
72	SOLDIER SYSTEMS - ADVANCED DEVELOPMENT.....	19,598 17,752
73	INTEGRATED BROADCAST SERVICE.....	1,496 1,496
74	TECHNOLOGY MATURATION INITIATIVES.....	10,181 10,181
75	TRACTOR JUTE.....	15,609 15,609
76	JOINT COOPERATIVE TARGET IDENTIFICATION - GROUND (JCTI	41,652 15,052
77	ENDURANCE UAVS.....	42,892 42,892
	TOTAL, DEMONSTRATION & VALIDATION.....	753,084 528,644
	ENGINEERING & MANUFACTURING DEVELOPMENT	
78	AIRCRAFT AVIONICS.....	144,687 119,687
79	ARMED, DEPLOYABLE OH-58D.....	166,132 82,442
80	ELECTRONIC WARFARE DEVELOPMENT.....	101,265 34,265
82	ALL SOURCE ANALYSIS SYSTEM.....	17,412 7,412
83	TRACTOR CAGE.....	26,577 26,577
84	INFANTRY SUPPORT WEAPONS.....	73,728 83,474
85	MEDIUM TACTICAL VEHICLES.....	3,961 3,961
87	JAVELIN.....	17,340 9,940
88	FAMILY OF HEAVY TACTICAL VEHICLES.....	5,478 5,478

(IN THOUSANDS OF DOLLARS)

		BUDGET REQUEST	CONFERENCE
89	AIR TRAFFIC CONTROL	22,922	22,922
90	LIGHT TACTICAL WHEELED VEHICLES	---	70,000
93	FCS SYSTEMS OF SYSTEMS ENGR & PROGRAM MGMT	383,872	298,872
95	FCS UNMANNED GROUND VEHICLES	143,840	36,000
96	FCS UNATTENDED GROUND SENSORS	499	---
98	NIGHT VISION SYSTEMS - SDD	59,265	59,265
99	COMBAT FEEDING, CLOTHING, AND EQUIPMENT	2,075	2,075
100	NON-SYSTEM TRAINING DEVICES - SDD	30,021	30,021
101	TERRAIN INFORMATION - SDD	1,596	1,596
102	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE -SDD....	83,010	83,010
103	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT	28,305	28,305
104	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	14,375	14,375
105	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS) - SDD	15,803	15,803
107	COMBINED ARMS TACTICAL TRAINER (CATT) CORE	22,226	22,226
108	WEAPONS AND MUNITIONS - SDD	13,828	13,828
109	LOGISTICS AND ENGINEER EQUIPMENT - SDD	251,104	173,311
110	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS - SDD	137,811	81,811
111	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT ..	27,160	27,160
112	LANDMINE WARFARE/BARRIER - SDD	87,426	76,326
113	ARTILLERY MUNITIONS	42,627	37,627
115	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE ...	123,935	93,935
116	RADAR DEVELOPMENT	2,890	2,890
117	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEB5)	794	794
118	FIREFINDER	10,358	10,358
119	SOLDIER SYSTEMS - WARRIOR DEM/VAL	48,309	61,409
120	ARTILLERY SYSTEMS	120,146	120,146
121	PATRIOT/HEADS COMBINED AGGREGATE PROGRAM (CAP)	406,605	390,000
122	NUCLEAR ARMS CONTROL MONITORING SENSOR NETWORK	7,398	7,398
123	INFORMATION TECHNOLOGY DEVELOPMENT	37,098	32,098
124	ARMY INTEGRATED MILITARY HUMAN RESOURCES SYSTEM (A-IMH)	68,693	68,693
125	JOINT AIR-TO-GROUND MISSILE (JAGM)	127,095	127,095
126	SLAMRAAM	19,931	1,531
127	PAC-2/MSE MISSILE	88,993	88,993

(IN THOUSANDS OF DOLLARS)

		BUDGET REQUEST	CONFERENCE
128	ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD).....	270,607	270,607
129	MANNED GROUND VEHICLE.....	884,387	449,387
130	AERIAL COMMON SENSOR.....	31,465	31,465
131	TROJAN - RH12.....	3,920	3,920
132	ELECTRONIC WARFARE DEVELOPMENT.....	13,819	13,819
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	4,190,788	3,242,307
	RDT&E MANAGEMENT SUPPORT		
133	THREAT SIMULATOR DEVELOPMENT.....	16,992	26,158
134	TARGET SYSTEMS DEVELOPMENT.....	11,247	11,247
135	MAJOR T&E INVESTMENT.....	49,437	49,437
136	RAND ARROYO CENTER.....	20,384	20,384
137	ARMY KWAJALEIN ATOLL.....	145,606	145,606
138	CONCEPTS EXPERIMENTATION PROGRAM.....	28,800	28,800
140	ARMY TEST RANGES AND FACILITIES.....	262,456	312,456
141	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS.....	70,227	70,227
142	SURVIVABILITY/LETHALITY ANALYSIS.....	43,483	43,483
143	DOD HIGH ENERGY LASER TEST FACILITY.....	18	18
144	AIRCRAFT CERTIFICATION.....	5,630	5,630
145	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES.....	7,182	7,182
146	MATERIEL SYSTEMS ANALYSIS.....	19,669	19,669
147	EXPLOITATION OF FOREIGN ITEMS.....	5,445	5,445
148	SUPPORT OF OPERATIONAL TESTING.....	68,786	68,786
149	ARMY EVALUATION CENTER.....	63,302	63,302
150	SIMULATION & MODELING FOR ACQ, RQTS, & TNG (SMART)....	3,420	3,420
151	PROGRAMWIDE ACTIVITIES.....	83,054	83,054
152	TECHNICAL INFORMATION ACTIVITIES.....	63,872	54,872
	ANALYSIS OF ALTERNATIVE PILOT.....	---	500
153	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY...	57,142	57,142
154	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT.....	4,961	4,961
155	MANAGEMENT HEADQUARTERS (RESEARCH AND DEVELOPMENT)....	17,558	17,558
	TOTAL, RDT&E MANAGEMENT SUPPORT.....	1,048,671	1,099,337

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	CONFERENCE
158	OPERATIONAL SYSTEMS DEVELOPMENT MLRS PRODUCT IMPROVEMENT PROGRAM.....	66,641 66,641
159	WEAPONS CAPABILITY MODIFICATIONS UAV.....	24,142 7,500
160	AEROSTAT JOINT PROJECT OFFICE.....	344,655 327,855
162	ADV FIELD ARTILLERY TACTICAL DATA SYSTEM.....	29,546 29,546
163	COMBAT VEHICLE IMPROVEMENT PROGRAMS.....	53,307 36,207
164	MANEUVER CONTROL SYSTEM.....	65,002 42,414
165	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS...	163,205 149,705
166	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM.....	823 823
167	DIGITIZATION.....	8,029 8,029
169	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM.....	44,560 54,560
171	TRACTOR CARD.....	42,554 42,554
172	JOINT TACTICAL GROUND SYSTEM.....	27,630 27,630
173	JOINT HIGH SPEED VESSEL (JHSV).....	3,044 ---
175	SECURITY AND INTELLIGENCE ACTIVITIES.....	2,854 2,854
176	INFORMATION SYSTEMS SECURITY PROGRAM.....	61,220 15,709
176A	FAMILY OF BIOMETRICS.....	--- 45,511
177	GLOBAL COMBAT SUPPORT SYSTEM.....	100,505 160,745
178	SATCOM GROUND ENVIRONMENT (SPACE).....	12,104 12,104
179	WMCCS/GLOBAL COMMAND AND CONTROL SYSTEM.....	23,937 23,937
181	TACTICAL UNMANNED AERIAL VEHICLES.....	40,650 26,550
182	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.....	44,198 31,699
183	MQ-1 SKY WARRIOR A UAV.....	137,038 122,038
184	RQ-11 UAV.....	1,938 1,938
185	RQ-7 UAV.....	31,940 31,940
187	BIOMETRICS ENABLED INTELLIGENCE.....	15,018 15,018
188	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES.....	59,297 59,297
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	1,403,837 1,342,804
999	CLASSIFIED PROGRAMS.....	4,536 4,536
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY.....	9,683,980 8,745,492

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1	Budget Request	Conference
4 UNIVERSITY AND INDUSTRY RESEARCH CENTERS	120,937	140,937
Historically Black Colleges and Universities		20,000
5 MATERIALS TECHNOLOGY	30,258	50,758
Nanotechnology research		8,000
Silicon carbide research		12,500
10 MISSILE TECHNOLOGY	50,685	67,185
Restore unjustified reductions for missile lethality and precision research		16,500
17 WEAPONS AND MUNITIONS TECHNOLOGY	39,813	54,813
Program increase		15,000
19 NIGHT VISION TECHNOLOGY	57,203	55,203
Program growth adjustment		-2,000
20 COUNTERMINE SYSTEMS	20,280	32,780
Unexploded ordnance and landmine detection research		12,500
27 WARFIGHTER TECHNOLOGY	29,835	46,335
Power generation research		16,500
30 MEDICAL ADVANCED TECHNOLOGY	68,171	102,971
Peer-Reviewed Neurotoxin Exposure Treatment Parkinsons Research Program		16,000
Peer-Reviewed Neurofibromatosis Research Program		12,800
Peer-Reviewed Military Burn Research Program		6,000
33 COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY	106,145	146,145
Alternative energy research		40,000
36 ELECTRONIC WARFARE ADVANCED TECHNOLOGY	57,963	69,963
Cyber security/information assurance research		12,000
40 MILITARY HIV RESEARCH	6,796	22,796
Program increase		16,000
47 HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM	183,150	228,150
Restore unjustified reduction		45,000

R-1	Budget Request	Conference
55 ARMY MISSILE DEFENSE SYSTEMS INTEGRATION	36,009	24,009
TR7 Schedule delays		-12,000
58 LANDMINE WARFARE AND BARRIER - ADV DEV	35,383	19,293
Excess to Army requirement		-16,090
59 SMOKE, OBSCURANT AND TARGET DEFEATING SYSTEM-ADVANCE DEVELOPMENT	9,501	4,501
Program growth adjustment		-5,000
61 ADVANCED TANK ARMAMENT SYSTEM (ATAS)	101,408	64,408
Program growth adjustment		-37,000
62 SOLDIER SUPPORT AND SURVIVABILITY	9,747	3,843
Rapid Equipping Force- Lack of baseline requirement		-5,904
66 WARFIGHTER INFORMATION NETWORK-TACTICAL	297,955	182,955
Increment III program acceleration		-115,000
69 LOGISTICS AND ENGINEER EQUIPMENT - ADV DEV	19,509	12,509
G11-LAMPS - Army requested transfer to Line 109		-7,000
72 SOLDIER SYSTEMS - ADVANCED DEVELOPMENT	19,598	17,752
S53 efforts - Transfer to VS4		-1,846
76 JOINT COOPERATIVE TARGET IDENTIFICATION - GROUND (JCTI-G) TECHNOLOGY DEVELOPMENT	41,652	15,052
Army identified excess to requirement		-26,600
78 AIRCRAFT AVIONICS	144,687	119,687
JTRS AMF integration delays		-15,000
JPALS excessive growth		-10,000
79 ARMED, DEPLOYABLE OH-58D	166,132	82,442
OH-58D Project 538 support for continued service		-20,000
Project 53Z - Technology Development funding requested ahead of need		-78,690
Project 53Z Armed Scout Helicopter excursion to Analysis of Alternatives, and flight demonstration, as requested by Army		15,000
80 ELECTRONIC WARFARE DEVELOPMENT	101,265	34,265
CIRCM program delays		-67,000

R-1	Budget Request	Conference
82 ALL SOURCE ANALYSIS SYSTEM	17,412	7,412
Machine Foreign Language Translation System contract award delay		-10,000
84 INFANTRY SUPPORT WEAPONS	73,728	83,474
Army requested transfer for Engineering and Manufacturing Development Testing from WTCV,A line 17		16,046
Army requested transfer for re-testing of Lightweight .50 Caliber Machine Gun following a parts failure from WTCV,A line 20		1,700
S61 - High concurrency of incremental efforts		-8,000
87 JAVELIN	17,340	9,940
Excess to requirement		-7,400
90 LIGHT TACTICAL WHEELED VEHICLES	0	70,000
Armored HMMWV survivability enhancements Transfer from line 109 for fiscal year 2012 HMMWV Competitive RECAP (MECV) - Army identified shortfall		50,000
		20,000
FCS SYSTEMS OF SYSTEMS ENGINEERING AND PROGRAM MANAGEMENT	383,872	298,872
Unjustified requirement		-85,000
95 FCS UNMANNED GROUND VEHICLES	143,840	36,000
Program adjustment		-107,840
96 FCS UNATTENDED GROUND SENSORS	499	0
Program termination		-499
109 LOGISTICS AND ENGINEER EQUIPMENT - SDD	251,104	173,311
Project 194 - LAMPS - Army requested transfer from line 69, project G11		7,000
Project L50 - JLTV Restructure		-64,793
Project L50 - Transfer to line 90 for HMMWV Competitive RECAP (MECV) Army identified shortfall		-20,000
110 COMMAND, CONTROL, COMMUNICATIONS SYST - SDD	137,811	81,811
JBC-P excessive growth		-56,000
112 LANDMINE WARFARE/BARRIER - SDD	87,426	76,326
EHP - Contract award delay		-11,100

R-1	Budget Request	Conference
113 ARTILLERY MUNITIONS	42,627	37,627
Program growth adjustment		-5,000
ARMY TACTICAL COMMAND & CONTROL HARDWARE		
115 AND SOFTWARE	123,935	93,935
Project 334 - Excessive growth		-30,000
119 SOLDIER SYSTEMS - WARRIOR DEM/VAL	48,309	61,409
Nett Warrior - Army requested transfer from OP,A, line 147		7,600
Nett Warrior - Additional Army requested transfer from OP,A line 147 for NIE		5,500
121 PATRIOT/MEADS COMBINED AGGREGATE PROGRAM	406,605	390,000
Program decrease		-16,605
123 INFORMATION TECHNOLOGY DEVELOPMENT	37,098	32,098
Unsustained growth		-5,000
126 SLAMRAAM	19,931	1,531
Excess to program close-out requirement		-18,400
129 MANNED GROUND VEHICLE	884,387	449,387
Excessive Technology Ramp-up prior to completion of Analysis of Alternatives		-435,000
133 THREAT SIMULATOR DEVELOPMENT	16,992	26,158
Unfunded JFCOM mission transfer		9,166
140 ARMY TEST RANGES AND FACILITIES	262,456	312,456
Program increase		50,000
152 TECHNICAL INFORMATION ACTIVITIES	63,872	54,872
Project 733 - Analysis of Alternatives Pilot - Transfer to line 152A		-9,000
152A ANALYSIS OF ALTERNATIVES PILOT	0	500
Transfer from line 152 for Analysis of Alternatives Pilot		500
159 WEAPONS CAPABILITY MODIFICATIONS UAV	24,142	7,500
Funding excess to only the Analysis of Alternatives		-16,642

R-1	Budget Request	Conference
160 AEROSTAT JOINT PROJECT OFFICE	344,655	327,855
Program growth adjustment - Joint Land Attack Cruise Missile Defense Elevated Netted Sensor System		-16,800
163 COMBAT VEHICLE IMPROVEMENT PROGRAMS	53,307	36,207
AMPV		-17,100
164 MANEUVER CONTROL SYSTEM	65,002	42,414
Unjustified growth		-22,588
AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS		
165 PROGRAMS	163,205	149,705
Project 504 - Excess to Army Analysis of Alternatives requirement		-13,500
MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM		
169 PROGRAM	44,560	54,560
Stinger SLEP - Army requested transfer from Missile Procurement, Army		10,000
173 JOINT HIGH SPEED VESSEL (JHSV)	3,044	0
Program transferred to Navy		-3,044
176 INFORMATION SYSTEMS SECURITY PROGRAM	61,220	15,709
Army requested transfer to line 176a		-45,511
176a FAMILY OF BIOMETRICS	0	45,511
Army requested transfer from line 176		45,511
177 GLOBAL COMBAT SUPPORT SYSTEM	100,505	160,745
Army requested transfer for GCSSA from OP,A line 116		47,240
Army requested transfer for Army Enterprise System Integration from OP,A line 116		13,000
181 TACTICAL UNMANNED AERIAL VEHICLES	40,650	26,550
Tactical SIGINT Package contract award delays and change to acquisition strategy		-14,100
182 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	44,198	31,699
Requirements increase		-12,499
183 MQ-1 SKY WARRIOR A UAV	137,038	122,038
Excessive growth		-15,000

ARMY MODERNIZATION AND ACQUISITION

The conferees agree with the Army's steps to improve acquisition processes through implementation of the Decker-Wagner Army Acquisition Review findings as well as introducing other metrics and monthly reports to enable and strengthen senior civilian oversight across all Army modernization portfolios. The conferees believe continued acquisition improvement is only achievable with a strong, stable acquisition workforce and therefore urge the Secretary of the Army and the Secretary of Defense to guard against misguided efforts that shrink the acquisition workforce as was done in the 1990s with disastrous results. The conferees also believe that even with improvements in acquisition processes and a stable workforce, these steps alone will not ensure that the Army will achieve its modernization objectives.

After both the House and Senate Appropriations Committees completed their reviews of the fiscal year 2012 budget request, the Army provided additional information for its top-ten priority programs. Of these top-ten programs, six programs had undergone significant acquisition strategy modifications causing schedule and programmatic perturbations. As a result of these changes, the Army identified over \$1,000,000,000 from its original fiscal year 2012 budget request as excess to its funding requirements in fiscal year 2012. Additionally, the Army notified the congressional defense committees of over \$309,000,000 in excess funds from its budget request due to program terminations and requested transfers of over \$282,000,000 among ten different programs. This magnitude of change in funding across a multitude of programs, identified after submitting the budget only ten months prior, indicates a pervasive instability in Army programs.

While the conferees recognize that ten years of continuous war can force out-of-cycle changes, the Army's acquisition challenges precede the post-September 11, 2001 war efforts. Since 1995, the Army has spent \$32,000,000,000 on development of 22 programs that were eventually cancelled. The conferees believe this history of programmatic instability indicates a lack of focus and discipline in the requirements generation process that must be corrected before the Army will see any improvement in its ability to successfully modernize. Improvement must begin with clearly documented, stable, and affordable requirements. The conferees are aware that Army acquisition has taken on the responsibility of vetting each requirement for technical maturity and affordability prior to initiating a contract action, but the conferees are concerned that this is a short-term correction to a larger institutional problem with the requirements generation process.

Furthermore, while the conferees congratulate the Army on the success of the newly implemented Network Integration Evaluations, which ensure new equipment is interoperable, effective, and adds benefit to deployed troops, the process has revealed that a handful of programs would not be effective if deployed. The evaluations are causing the Army to reevaluate, restructure, and even terminate several programs that began years ago with established requirements. Thus, the conferees question the long-standing requirements process that serves as the foundation for Army mod-

ernization. Therefore, in addition to implementing changes identified in the Decker-Wagner Army Acquisition Review, the Secretary of the Army is encouraged to undertake a similar examination of the requirements generation process.

FUTURE COMBAT SYSTEMS' SYSTEM OF SYSTEMS ENGINEERING AND PROGRAM MANAGEMENT AND NETWORK INTEGRATION EVALUATION

The conference agreement provides \$298,872,000 for the Future Combat Systems' System of Systems Engineering and Program Management, instead of \$311,872,000 as proposed by the House and \$283,872,000 as proposed by the Senate. The conferees note that this line now funds the Army's bi-annual Network Integration Evaluations (NIE). The conferees support the NIE and direct the Army to regularly update the congressional defense committees on the cost, schedule, scope, and methods for the tests and other associated reviews to be accomplished in the NIE, as well as outcomes and findings. Additionally, the conferees are aware of the savings the Army has achieved in Future Combat Systems termination costs and the lower costs projected for the fiscal year 2012 NIE. The conferees note that the continued use of the former "Future Combat Systems" terminology has become a counter-productive distraction and recommend updating program descriptions to improve communications among those who review and shape defense appropriations and to more accurately reflect the purpose for which appropriations are requested. The conferees believe that funding requirements for the NIE should be presented distinctly and separately in future budget submissions.

ACTIVE AND SEMI-ACTIVE VEHICLE SUSPENSION COMPONENTS

The conferees are aware that the Army has begun the testing and development of active and semi-active vehicle suspension components with regenerative capabilities. The conferees understand that this technology may improve vehicle fuel efficiency and reduce maintenance. Accordingly, the conferees encourage the Army to continue the testing and development of this technology and to fully explore the potential benefits for application across vehicle programs.

SUPPORT FOR BASE REALIGNMENT AND CLOSURE 2005 ACTIONS

The conferees support actions taken by the Army and the Defense Logistics Agency to fully fund the integration of their information technology systems in a timely manner to support the 2005 Base Realignment and Closure (BRAC) Commission's mandate to transfer re-procurement of depot level repairables. The conferees are aware that although the BRAC Commission determined the transfer has the potential to save millions of dollars, the Government Accountability Office has recently concluded that the savings are jeopardized by inadequate up-front funding for BRAC implementation. The conferees note that the Army's Tank and Automotive Research, Development, and Engineering Command (TARDEC) manages the repository of all ground vehicle technical data for the Army, and has built infrastructure for use by all Army programs to store weapons system technical information, drawings,

and specifications. The conferees urge that the TARDEC use funds available for this effort to assist in meeting the 2005 BRAC recommendation for depot-level repairable transfer.

ARMORED MULTI-PURPOSE VEHICLE

The conferees recommend \$14,300,000 for the Armored Multi-purpose Vehicle instead of \$31,400,000 as proposed by the House and no funding as proposed by the Senate. The conferees note that the requirement to find a replacement for the M113 series of vehicles has received scant attention for too long. The conferees believe that prompt and decisive action is needed to select and advance a near-term solution rather than continuing a long-term search for the perfect solution. The conferees note that the recommendation fully funds the Analysis of Alternatives, as requested by the Army. Subsequently, after notification to the congressional defense committees, available funds may be applied to expedite the acquisition effort.

GROUND COMBAT VEHICLE

The conferees recommend \$449,387,000 for the Ground Combat Vehicle, instead of \$768,053,000 as proposed by the House and \$240,387,000 as proposed by the Senate. The conferees have been informed of a change to the acquisition strategy and note that the recommendation fully funds this revised strategy.

ARMED SCOUT HELICOPTER

The conferees recommend no funding for technology development of the Armed Scout Helicopter (ASH), instead of \$63,690,000 as proposed by the House and \$4,761,000 as proposed by the Senate, because contrary to plans submitted with the fiscal year 2012 budget submission, the Army does not plan to award a technology development contract in fiscal year 2012. The conferees recommend \$15,000,000 for a flight demonstration of ASH capabilities, as requested by the Army. The conferees understand that this flight demonstration will occur in the spring of 2012, and direct the Army to brief the congressional defense committees in detail on the outcome of this demonstration not later than 30 days after its completion.

JOINT LIGHT TACTICAL VEHICLE

The budget request includes \$243,940,000 within Army and Marine Corps accounts for the development of the Joint Light Tactical Vehicle (JLTV). The JLTV program has undergone significant changes since its inception and the submission of the fiscal year 2012 budget request. The principal reason for the changes is the discovery that the plan to acquire multiple variants of a limited number of vehicles with demanding performance specifications would result in an unaffordable program for both the Army and Marine Corps. As a result, the program will now pursue a competitively-selected single vehicle with a less complex design on a significantly accelerated timeline.

The conferees are encouraged to see the Army and Marine Corps taking definitive action to change their approach in evalu-

ating requirements, technology, key performance parameters, and costs as they apply to this acquisition program. Continuing on the nine year path of studies, development, and testing to field a light-weight tactical vehicle that will carry four passengers and 3,500 pounds of cargo onto the battlefield was unacceptable.

Recognizing the renewed focus and approach, the conference agreement provides \$87,300,000 in Research, Development, Test and Evaluation, Army and \$46,700,000 in Research, Development, Test and Evaluation, Navy for continued JLTV development, in accordance with revised estimates for the program. The conferees strongly encourage the Army and Marine Corps, in conjunction with the Under Secretary of Defense (Acquisition, Technology and Logistics), to examine the feasibility of accelerating a competition for production through more efficient testing and acquisition practices and by embracing off-the-shelf technology demonstrated by industry so that improved vehicles are delivered to the warfighter as soon as possible. Accordingly, the Army and Marine Corps are encouraged to acquire, test, and evaluate, as necessary, available off-the-shelf systems that meet the essential program requirements.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY

The conference agreement on items addressed by either the House or the Senate is as follows:

(IN THOUSANDS OF DOLLARS)

		BUDGET REQUEST	CONFERENCE
RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY			
BASIC RESEARCH			
1	UNIVERSITY RESEARCH INITIATIVES.....	113,157	133,157
2	IN-HOUSE LABORATORY INDEPENDENT RESEARCH.....	18,092	18,092
3	DEFENSE RESEARCH SCIENCES.....	446,123	454,123
TOTAL, BASIC RESEARCH.....		577,372	605,372
APPLIED RESEARCH			
4	POWER PROJECTION APPLIED RESEARCH.....	104,804	104,804
5	FORCE PROTECTION APPLIED RESEARCH.....	156,901	196,901
6	MARINE CORPS LANDING FORCE TECHNOLOGY.....	44,845	44,845
8	COMMON PICTURE APPLIED RESEARCH.....	65,448	65,448
9	WARFIGHTER SUSTAINMENT APPLIED RESEARCH.....	101,205	101,205
10	RF SYSTEMS APPLIED RESEARCH.....	108,329	108,329
11	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH.....	50,076	50,076
12	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH.....	5,937	5,937
13	UNDERSEA WARFARE APPLIED RESEARCH.....	108,666	108,666
14	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH.....	37,583	37,583
TOTAL, APPLIED RESEARCH.....		783,794	823,794
ADVANCED TECHNOLOGY DEVELOPMENT			
15	POWER PROJECTION ADVANCED TECHNOLOGY.....	114,270	114,270
16	FORCE PROTECTION ADVANCED TECHNOLOGY.....	64,057	45,234
17	COMMON PICTURE ADVANCED TECHNOLOGY.....	49,068	49,068
18	WARFIGHTER SUSTAINMENT ADVANCED TECHNOLOGY.....	71,232	71,232
19	ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY.....	102,535	122,535
20	MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION (ATD)...	124,324	124,324
21	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT.....	11,286	11,286
22	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY.....	18,119	56,819
23	UNDERSEA WARFARE ADVANCED TECHNOLOGY.....	37,121	42,121
24	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS.....	50,157	50,157
25	MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY....	6,048	6,048
TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....		648,217	693,094

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(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	CONFERENCE
26	DEMONSTRATION & VALIDATION AIR/OCEAN TACTICAL APPLICATIONS.....	94,972 84,972
27	AVIATION SURVIVABILITY.....	10,893 10,893
28	DEPLOYABLE JOINT COMMAND AND CONTROL.....	3,702 3,702
29	AIRCRAFT SYSTEMS.....	10,497 10,497
30	ASW SYSTEMS DEVELOPMENT.....	7,915 7,915
31	TACTICAL AIRBORNE RECONNAISSANCE.....	5,978 5,978
32	ADVANCED COMBAT SYSTEMS TECHNOLOGY.....	1,418 1,418
33	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES.....	142,657 127,757
34	SURFACE SHIP TORPEDO DEFENSE.....	118,764 118,764
35	CARRIER SYSTEMS DEVELOPMENT.....	54,072 54,072
37	PILOT FISH.....	96,012 96,012
38	RETRACT LARCH.....	73,421 73,421
39	RETRACT JUNIPER.....	130,267 130,267
40	RADIOLOGICAL CONTROL.....	1,338 1,338
41	SURFACE ASW.....	29,797 29,797
42	ADVANCED SUBMARINE SYSTEM DEVELOPMENT.....	856,326 861,706
43	SUBMARINE TACTICAL WARFARE SYSTEMS.....	9,253 9,253
44	SHIP CONCEPT ADVANCED DESIGN.....	14,308 14,308
45	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES.....	22,213 22,213
46	ADVANCED NUCLEAR POWER SYSTEMS.....	463,683 463,683
47	ADVANCED SURFACE MACHINERY SYSTEMS.....	18,249 18,249
48	CHALK EAGLE.....	584,159 584,159
49	LITTORAL COMBAT SHIP (LCS).....	286,784 292,784
50	COMBAT SYSTEM INTEGRATION.....	34,157 34,157
51	CONVENTIONAL MUNITIONS.....	4,753 4,753
52	MARINE CORPS ASSAULT VEHICLES.....	12,000 37,000
53	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM.....	79,858 54,981

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	CONFERENCE
54 JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT.....	33,654	33,654
55 COOPERATIVE ENGAGEMENT.....	54,783	54,783
56 OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT.....	9,996	9,996
57 ENVIRONMENTAL PROTECTION.....	21,714	21,714
58 NAVY ENERGY PROGRAM.....	70,538	70,538
59 FACILITIES IMPROVEMENT.....	3,754	3,754
60 CHALK CORAL.....	79,415	79,415
61 NAVY LOGISTIC PRODUCTIVITY.....	4,137	4,137
62 RETRACT MAPLE.....	276,383	276,383
63 LINK PLUMERIA.....	52,721	52,721
64 RETRACT ELM.....	160,964	150,964
66 LINK EVERGREEN.....	144,985	144,985
67 SPECIAL PROCESSES.....	43,704	43,704
68 NATO RESEARCH AND DEVELOPMENT.....	9,140	9,140
69 LAND ATTACK TECHNOLOGY.....	421	421
70 NONLETHAL WEAPONS.....	40,992	40,992
71 JOINT PRECISION APPROACH AND LANDING SYSTEMS.....	121,455	118,255
75 TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES.....	64,107	64,107
76 ASE SELF-PROTECTION OPTIMIZATION.....	711	711
77 JOINT COUNTER RADIO CONTROLLED IED ELECTRONIC WARFARE.....	62,044	62,044
78 PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM.....	22,665	3,450
79 SPACE & ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINEER.....	33,621	33,621
80 ASW SYSTEMS DEVELOPMENT - MIP.....	1,078	1,078
82 ELECTRONIC WARFARE DEVELOPMENT - MIP.....	625	625
TOTAL, DEMONSTRATION & VALIDATION.....	4,481,053	4,435,241

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	CONFERENCE
83	ENGINEERING & MANUFACTURING DEVELOPMENT OTHER HELO DEVELOPMENT	35,651 42,651
84	AV-8B AIRCRAFT - ENG DEV.....	30,676 30,676
85	STANDARDS DEVELOPMENT.....	51,191 49,491
86	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT.....	17,673 17,673
87	AIR/OCEAN EQUIPMENT ENGINEERING.....	5,922 5,922
88	P-3 MODERNIZATION PROGRAM.....	3,417 3,417
89	WARFARE SUPPORT SYSTEM.....	9,944 9,944
90	TACTICAL COMMAND SYSTEM.....	81,257 77,257
91	ADVANCED HAWKEYE.....	110,994 130,994
92	H-1 UPGRADES.....	72,569 67,569
93	ACOUSTIC SEARCH SENSORS.....	56,509 48,898
94	V-22A.....	84,477 84,477
95	AIR CREW SYSTEMS DEVELOPMENT.....	3,249 3,249
96	EA-18.....	17,100 17,100
97	ELECTRONIC WARFARE DEVELOPMENT.....	89,418 89,418
98	VH-71A EXECUTIVE HELO DEVELOPMENT.....	180,070 60,770
99	NEXT GENERATION JAMMER (NGJ).....	189,919 170,919
100	JOINT TACTICAL RADIO SYSTEM - NAVY (JTRS-NAVY).....	688,146 676,146
101	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING.....	223,283 223,283
102	LPD-17 CLASS SYSTEMS INTEGRATION.....	884 884
103	SMALL DIAMETER BOMB (SDB).....	47,635 29,635
104	STANDARD MISSILE IMPROVEMENTS.....	46,705 46,705
105	AIRBORNE MCH.....	41,142 41,142
106	NAVAL INTEGRATED FIRE CONTROL-COUNTER AIR SYSTEMS ENG.	24,898 24,898
107	FUTURE UNMANNED CARRIER-BASED STRIKE SYSTEM.....	121,150 75,700
108	ADVANCED ABOVE WATER SENSORS.....	227,358 247,358
109	SSN-688 AND TRIDENT MODERNIZATION.....	100,591 90,291
110	AIR CONTROL.....	5,521 5,521
111	SHIPBOARD AVIATION SYSTEMS.....	45,445 45,445

(IN THOUSANDS OF DOLLARS)

		BUDGET REQUEST	CONFERENCE
112	COMBAT INFORMATION CENTER CONVERSION.....	3,400	3,400
113	NEW DESIGN SSN.....	97,235	112,235
114	SUBMARINE TACTICAL WARFARE SYSTEM.....	48,466	48,466
115	SHIP CONTRACT DESIGN/LIVE FIRE T&E.....	161,099	121,099
116	NAVY TACTICAL COMPUTER RESOURCES.....	3,848	3,848
117	MINE DEVELOPMENT.....	3,933	3,933
118	LIGHTWEIGHT TORPEDO DEVELOPMENT.....	32,592	32,592
119	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT.....	9,960	9,960
120	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS....	12,992	12,992
121	JOINT STANDOFF WEAPON SYSTEMS.....	7,506	7,506
122	SHIP SELF DEFENSE (DETECT & CONTROL).....	71,222	71,222
123	SHIP SELF DEFENSE (ENGAGE: HARD KILL).....	6,631	6,631
124	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW).....	184,095	184,095
125	INTELLIGENCE ENGINEERING.....	2,217	2,217
126	MEDICAL DEVELOPMENT.....	12,984	31,084
127	NAVIGATION/ID SYSTEM.....	50,178	39,378
128	JOINT STRIKE FIGHTER (JSF) - EMD.....	670,723	651,786
129	JOINT STRIKE FIGHTER (JSF).....	677,486	658,549
130	INFORMATION TECHNOLOGY DEVELOPMENT.....	27,461	19,461
131	INFORMATION TECHNOLOGY DEVELOPMENT.....	58,764	29,764
132	NAVY INTEGRATED MILITARY HUMAN RESOURCES SYSTEM.....	55,050	55,050
133	CH-53K.....	629,461	624,461
135	JOINT AIR-TO-GROUND MISSILE (JAGM).....	118,395	108,395
136	MULTI-MISSION MARITIME AIRCRAFT (MMA).....	622,713	618,713
138	DDG-1000.....	261,604	257,604
139	TACTICAL COMMAND SYSTEM - MIP.....	979	979
141	TACTICAL CRYPTOLOGIC SYSTEMS.....	31,740	31,740
TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....		6,475,528	6,164,593

(IN THOUSANDS OF DOLLARS)

		BUDGET REQUEST	CONFERENCE
176	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)...	8,819	8,819
177	INTEGRATED SURVEILLANCE SYSTEM.....	21,259	21,259
178	AMPHIBIOUS TACTICAL SUPPORT UNITS.....	5,214	5,214
179	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT.....	42,244	42,244
180	CRYPTOLOGIC DIRECT SUPPORT.....	1,447	1,447
181	ELECTRONIC WARFARE (EW) READINESS SUPPORT.....	18,142	18,142
182	HARM IMPROVEMENT.....	11,147	11,147
183	TACTICAL DATA LINKS.....	69,224	69,224
184	SURFACE ASW COMBAT SYSTEM INTEGRATION.....	22,010	29,510
185	MK-48 ADCAP.....	39,288	46,788
186	AVIATION IMPROVEMENTS.....	123,012	100,423
187	NAVY SCIENCE ASSISTANCE PROGRAM.....	1,957	1,957
188	OPERATIONAL NUCLEAR POWER SYSTEMS.....	82,705	82,705
189	MARINE CORPS COMMUNICATIONS SYSTEMS.....	320,864	320,864
190	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS....	209,396	159,396
191	MARINE CORPS COMBAT SERVICES SUPPORT.....	45,172	27,072
192	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP)....	14,101	14,101
193	TACTICAL AIM MISSILES.....	8,765	8,765
194	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)....	2,913	2,913
195	JOINT HIGH SPEED VESSEL (JHSV).....	4,108	4,108
200	SATELLITE COMMUNICATIONS (SPACE).....	263,712	263,712
201	CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES.....	12,906	24,906
202	INFORMATION SYSTEMS SECURITY PROGRAM.....	25,229	37,229
203	MMCCS/Global Command and Control System.....	1,250	1,250
204	CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES (MIP)...	6,602	6,602
206	COBRA JUDY.....	40,605	40,605
207	NAVY METEOROLOGICAL AND OCEAN SENSORS-SPACE (METOC)...	904	904
208	JOINT MILITARY INTELLIGENCE PROGRAMS.....	4,099	4,099
209	TACTICAL UNMANNED AERIAL VEHICLES.....	9,353	9,353
210	AIRBORNE RECONNAISSANCE SYSTEMS.....	---	20,000

(IN THOUSANDS OF DOLLARS)

		BUDGET REQUEST	CONFERENCE
212	DISTRIBUTED COMMON GROUND SYSTEMS/SURFACE SYSTEMS.....	23,785	23,785
213	DISTRIBUTED COMMON GROUND SYSTEMS/SURFACE SYSTEMS.....	25,487	25,487
214	RQ-4 UAV.....	548,482	548,482
215	MQ-8 UAV.....	108,248	108,248
216	RQ-11 UAV.....	979	979
217	RQ-7 UAV.....	872	872
219	SMALL (LEVEL 0) TACTICAL UAS (STUASLO).....	22,698	21,398
220	MEDIUM RANGE MARITIME UAS.....	15,000	15,000
221	RQ-21A.....	26,301	24,201
223	MODELING AND SIMULATION SUPPORT.....	8,292	8,292
224	DEPOT MAINTENANCE (NON-IF).....	21,609	21,609
226	INDUSTRIAL PREPAREDNESS.....	54,031	54,031
227	MARITIME TECHNOLOGY (MARITECH).....	5,000	5,000
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	2,822,436	2,781,478
999	CLASSIFIED PROGRAMS.....	1,308,608	1,406,945
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY.....	17,956,431	17,753,940

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1	Budget Request	Conference
1 UNIVERSITY RESEARCH INITIATIVES	113,157	133,157
Program increase - Competitive based university research program		20,000
3 DEFENSE RESEARCH SCIENCES	446,123	454,123
Nanotechnology research		8,000
5 FORCE PROTECTION APPLIED RESEARCH	156,901	196,901
Alternative Energy		40,000
16 FORCE PROTECTION ADVANCED TECHNOLOGY	64,057	45,234
Excess MRMUAS funding		-18,823
19 ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY	102,535	122,535
Advanced Radar Innovation Fund		20,000
22 WARFIGHTER PROTECTION ADVANCED TECHNOLOGY	18,119	56,819
Program increase - Bone Marrow Registry Program		31,500
Program increase - Tactical Athlete Program		7,200
23 UNDERSEA WARFARE ADVANCED TECHNOLOGY	37,121	42,121
Program increase - ASW research		5,000
26 AIR/OCEAN TACTICAL APPLICATIONS	94,972	84,972
JMAPS program delay		-10,000
33 SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	142,657	127,757
UUV program delay		-6,000
Program execution		-8,900
42 ADVANCED SUBMARINE SYSTEM DEVELOPMENT	856,326	861,706
Navy requested transfer from line 109 for submarine battery development		5,380
49 LITTORAL COMBAT SHIP (LCS)	286,784	292,784
Program increase - Small business technology insertion (mission modules)		10,000
Defer development of Irregular Warfare mission package		-4,000
52 MARINE CORPS ASSAULT VEHICLES	12,000	37,000
Marine Corps requested transfer from line 190		25,000
53 MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	79,858	54,981
JLTV restructure		-24,877
64 RETRACT ELM	160,964	150,964
Classified adjustment		-10,000
71 JOINT PRECISION APPROACH AND LANDING SYSTEMS	121,455	118,255
Excess management services funding		-3,200
78 PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM	22,665	3,450
Excess support funding		-1,000
FMU-164 fuze program termination		-18,215

R-1	Budget Request	Conference
83 OTHER HELO DEVELOPMENT	35,651	42,651
Navy requested transfer from line 98 for VH-3/VH-60 sustainment		7,000
85 STANDARDS DEVELOPMENT	51,191	49,491
Collision avoidance safety program delay		-1,700
90 TACTICAL COMMAND SYSTEM	81,257	77,257
NTCSS - reduce program growth		-4,000
91 ADVANCED HAWKEYE	110,994	130,994
Advanced Radar Innovation Fund		20,000
92 H-1 UPGRADES	72,569	67,569
Development support funding growth		-5,000
93 ACOUSTIC SEARCH SENSORS	56,509	48,898
Management services funding growth		-6,000
High Altitude ASW program delay		-1,611
98 VH-71A EXECUTIVE HELO DEVELOPMENT	180,070	60,770
Navy requested transfer to line 83		-7,000
Navy requested transfer to AP,N line 47		-24,000
Navy requested transfer to AP,N line 62		-12,000
Early to need		-76,300
99 NEXT GENERATION JAMMER (NGJ)	189,919	170,919
Technology development late contract award		-19,000
100 JOINT TACTICAL RADIO SYSTEM - NAVY (JTRS-NAVY)	688,146	676,146
Management services funding growth		-3,000
Transfer from OP,A line 39 for GMR correction of deficiencies		51,000
HMS capability enhancements unjustified request		-60,000
103 SMALL DIAMETER BOMB (SDB)	47,635	29,635
Defer integration on Joint Strike Fighter		-18,000
107 FUTURE UNMANNED CARRIER-BASED STRIKE SYSTEM	121,150	75,700
Delay to Technology Development contract award		-45,450
108 ADVANCED ABOVE WATER SENSORS	227,358	247,358
Advanced Radar Innovation Fund		20,000
109 SSN-688 AND TRIDENT MODERNIZATION	100,591	90,291
TB-33 program cancellation		-4,920
Navy requested transfer to line 42 for submarine battery development		-5,380
113 NEW DESIGN SSN	97,235	112,235
Program increase - Small business technology insertion		15,000

R-1	Budget Request	Conference
115 SHIP CONTRACT DESIGN/LIVE FIRE T&E	161,099	121,099
Ship to shore connector program delay		-40,000
126 MEDICAL DEVELOPMENT	12,984	31,084
Program increase - wound care research		13,000
Program increase - military dental research		5,100
127 NAVIGATION/ID SYSTEM	50,178	39,378
Mode 5 program delay		-10,800
128 JOINT STRIKE FIGHTER (JSF) - EMD	670,723	651,786
Block IV development ahead of need		-18,937
129 JOINT STRIKE FIGHTER (JSF)	677,486	658,549
Block IV development ahead of need		-18,937
130 INFORMATION TECHNOLOGY DEVELOPMENT	27,461	19,461
Program underexecution		-8,000
131 INFORMATION TECHNOLOGY DEVELOPMENT	58,764	29,764
Reduction to fourth quarter contract awards		-29,000
133 CH-53K	629,461	624,461
Management services funding growth		-5,000
135 JOINT AIR-TO-GROUND MISSILE (JAGM)	118,395	108,395
Program delay		-10,000
136 MULTI-MISSION MARITIME AIRCRAFT (MMA)	622,713	618,713
Program increase - Small business technology insertion		10,000
Increment 3 - development ahead of need		-14,000
138 DDG-1000	261,604	257,604
Government technical services growth		-4,000
146 STUDIES AND ANALYSIS SUPPORT - NAVY	23,454	17,454
Reduction to growth		-6,000
150 MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	68,301	58,301
OASUW - defer new start		-10,000
172 F/A-18 SQUADRONS	151,030	145,161
Radar upgrade program delay		-5,869
184 SURFACE ASW COMBAT SYSTEM INTEGRATION	22,010	29,510
Program increase - Small business technology insertion		7,500
185 MK-48 ADCAP	39,288	46,788
Program increase - Small business technology insertion		7,500
186 AVIATION IMPROVEMENTS	123,012	100,423
Multi purpose bomb rack program termination		-22,589
190 MARINE CORPS GROUND COMBAT/SUPPORTING ARMS	209,396	159,396
Marine Corps requested transfer to line 52		-25,000
AAV upgrade program excess to need		-10,000
Marine Personnel Carrier ahead of need		-15,000

R-1	Budget Request	Conference
191 MARINE CORPS COMBAT SERVICES SUPPORT Program execution	45,172	27,072 -18,100
CONSOLIDATED AFLOAT NETWORK ENTERPRISE		
201 SERVICES Navy requested transfer from OP,N line 68	12,906	24,906 12,000
202 INFORMATION SYSTEMS SECURITY PROGRAM Cyber Security Research	25,229	37,229 12,000
210 AIRBORNE RECONNAISSANCE SYSTEMS Combat Dragon II demonstration	0	20,000 20,000
219 SMALL (LEVEL 0) TACTICAL UAS (STUASL0) Excess support funding	22,698	21,398 -1,300
221 RQ-21A Program delays	26,301	24,201 -2,100
999 CLASSIFIED PROGRAMS Classified adjustment	1,308,608	1,406,945 98,337

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE

The conference agreement on items addressed by either the House or the Senate is as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	CONFERENCE
RESEARCH, DEVELOPMENT, TEST & EVAL, AIR FORCE		
BASIC RESEARCH		
1	DEFENSE RESEARCH SCIENCES.....	364,328 364,328
2	UNIVERSITY RESEARCH INITIATIVES.....	140,273 152,273
3	HIGH ENERGY LASER RESEARCH INITIATIVES.....	14,258 14,258
	TOTAL, BASIC RESEARCH.....	518,859 530,859
APPLIED RESEARCH		
4	MATERIALS.....	136,230 144,230
5	AEROSPACE VEHICLE TECHNOLOGIES.....	147,628 147,628
6	HUMAN EFFECTIVENESS APPLIED RESEARCH.....	86,663 86,663
7	AEROSPACE PROPULSION.....	207,508 207,508
8	AEROSPACE SENSORS.....	134,787 134,787
9	SPACE TECHNOLOGY.....	115,285 115,285
10	CONVENTIONAL MUNITIONS.....	60,692 60,692
11	DIRECTED ENERGY TECHNOLOGY.....	111,156 141,156
12	DOMINANT INFORMATION SCIENCES AND METHODS.....	127,866 127,866
13	HIGH ENERGY LASER RESEARCH.....	54,059 54,059
	TOTAL, APPLIED RESEARCH.....	1,181,874 1,219,874
ADVANCED TECHNOLOGY DEVELOPMENT		
14	ADVANCED MATERIALS FOR WEAPON SYSTEMS.....	39,738 60,738
15	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T).....	5,780 5,780
16	ADVANCED AEROSPACE SENSORS.....	53,075 63,075
17	AEROSPACE TECHNOLOGY DEV/DEMO.....	67,474 67,474
18	AEROSPACE PROPULSION AND POWER TECHNOLOGY.....	120,953 120,953
19	ELECTRONIC COMBAT TECHNOLOGY.....	22,268 22,268
20	ADVANCED SPACECRAFT TECHNOLOGY.....	74,636 74,636
21	MAUI SPACE SURVEILLANCE SYSTEM (MSSS).....	13,555 13,555
22	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT...	25,319 25,319
23	CONVENTIONAL WEAPONS TECHNOLOGY.....	54,042 45,542
24	ADVANCED WEAPONS TECHNOLOGY.....	28,683 48,683
25	MANUFACTURING TECHNOLOGY PROGRAM.....	40,103 40,103
26	BATTLESPACE KNOWLEDGE DEVELOPMENT & DEMONSTRATION.....	38,656 38,656

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	CONFERENCE
27 HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM.....	1,122	1,122
TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	585,404	627,904
28 ADVANCED COMPONENT DEVELOPMENT INTELLIGENCE ADVANCED DEVELOPMENT.....	4,013	4,013
29 PHYSICAL SECURITY EQUIPMENT.....	3,586	3,586
31 ADVANCED EHF MILSATCOM (SPACE).....	421,687	401,687
32 POLAR MILSATCOM (SPACE).....	122,991	102,991
33 SPACE CONTROL TECHNOLOGY.....	45,755	45,755
34 COMBAT IDENTIFICATION TECHNOLOGY.....	38,496	38,496
35 NATO RESEARCH AND DEVELOPMENT.....	4,424	4,424
36 INTERNATIONAL SPACE COOPERATIVE R&D.....	642	642
37 SPACE PROTECTION PROGRAM (SPP).....	9,819	7,319
38 INTEGRATED BROADCAST SERVICE.....	20,046	20,046
39 INTERCONTINENTAL BALLISTIC MISSILE.....	67,202	69,702
40 WIDEBAND GAFILLER SYSTEM RDT&E (SPACE).....	12,804	12,804
41 POLLUTION PREVENTION (DEM/VAL).....	2,075	2,075
42 JOINT PRECISION APPROACH AND LANDING SYSTEMS.....	20,112	20,112
43 NEXT GENERATION BOMBER.....	197,023	297,023
44 BATTLE MGMT COM & CTRL SENSOR DEVELOPMENT.....	60,250	31,250
45 TECHNOLOGY TRANSFER.....	2,553	2,553
46 HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM.....	38,248	33,248
47 JOINT DUAL ROLE AIR DOMINANCE MISSILE.....	29,759	29,759
48 REQUIREMENTS ANALYSIS AND MATURATION.....	24,217	24,217
50 GROUND ATTACK WEAPONS FUZE DEVELOPMENT.....	24,467	24,467
53 OPERATIONALLY RESPONSIVE SPACE.....	86,543	111,543
54 TECH TRANSITION PROGRAM.....	2,773	2,773
55 NATIONAL POLAR-ORBITING OPERATIONAL ENVIRONMENTAL SAT.	444,900	43,000
55A WEATHER SATELLITE FOLLOW-ON.....	---	125,000
TOTAL, ADVANCED COMPONENT DEVELOPMENT.....	1,684,385	1,458,485

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(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	CONFERENCE
56	ENGINEERING & MANUFACTURING DEVELOPMENT GLOBAL BROADCAST SERVICE (GBS).....	5,680 5,680
57	NUCLEAR WEAPONS SUPPORT.....	18,538 18,538
58	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING.....	21,780 21,780
59	ELECTRONIC WARFARE DEVELOPMENT.....	26,880 16,880
61	TACTICAL DATA NETWORKS ENTERPRISE.....	52,355 48,105
62	PHYSICAL SECURITY EQUIPMENT.....	51 51
63	SMALL DIAMETER BOMB (SDB).....	132,891 132,891
64	COUNTERSPACE SYSTEMS.....	31,913 31,913
65	SPACE SITUATION AWARENESS SYSTEMS.....	273,689 241,089
66	AIRBORNE ELECTRONIC ATTACK.....	47,100 41,000
67	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD.....	621,629 621,629
69	ARMAMENT/ORDNANCE DEVELOPMENT.....	10,055 7,755
70	SUBMUNITIONS.....	2,427 2,427
71	AGILE COMBAT SUPPORT.....	11,878 7,978
73	LIFE SUPPORT SYSTEMS.....	11,280 9,280
74	COMBAT TRAINING RANGES.....	28,106 8,106
75	INTEGRATED COMMAND & CONTROL APPLICATIONS (IC2A).....	10 10
76	INTELLIGENCE EQUIPMENT.....	995 995
77	JOINT STRIKE FIGHTER (JSF).....	1,387,926 1,387,926
78	INTERCONTINENTAL BALLISTIC MISSILE.....	158,477 148,477
79	EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE).....	20,028 15,028
80	NEXT GENERATION AERIAL REFUELING AIRCRAFT.....	877,084 877,084
81	CSAR HH-60 RECAPITALIZATION.....	94,113 11,113
83	HC/MC-130 RECAP RDT&E.....	27,071 22,071
85	NUCLEAR WEAPONS MODERNIZATION.....	93,867 93,867
86	LIGHT ATTACK ARMED RECONNAISSANCE (LAAR) SQUADRONS.....	23,721 13,721
88	FULL COMBAT MISSION TRAINING.....	39,826 29,826
89	JOINT CARGO AIRCRAFT (JCA).....	27,089 27,089
90	CV-22.....	20,723 13,223
91	AIRBORNE SENIOR LEADER C3 (SLC3S).....	12,535 ---
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	4,079,717 3,855,532

(IN THOUSANDS OF DOLLARS)

		BUDGET REQUEST	CONFERENCE
127	F-15E SQUADRONS.....	207,531	194,831
128	MANNED DESTRUCTIVE SUPPRESSION.....	13,253	13,253
129	F-22 SQUADRONS.....	718,432	571,432
130	F-35 SQUADRONS.....	47,841	9,967
131	TACTICAL AIM MISSILES.....	8,023	8,023
132	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM).....	77,830	77,830
133	JOINT HELMET MOUNTED CUEING SYSTEM (JHMCS).....	1,436	1,436
134	COMBAT RESCUE AND RECOVERY.....	2,292	2,292
135	COMBAT RESCUE - PARARESCUE.....	927	927
136	AF TENCAP.....	20,727	20,727
137	PRECISION ATTACK SYSTEMS PROCUREMENT.....	3,128	3,128
138	COMPASS CALL.....	18,509	18,509
139	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM.....	182,967	172,967
141	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM).....	5,796	5,796
142	AIR AND SPACE OPERATIONS CENTER (AOC).....	121,880	121,880
143	CONTROL AND REPORTING CENTER (CRC).....	3,954	3,954
144	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS).....	135,961	118,661
145	TACTICAL AIRBORNE CONTROL SYSTEMS.....	8,309	8,309
146	ADVANCED COMMUNICATIONS SYSTEMS.....	90,083	44,883
148	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES.....	5,428	5,428
149	THEATER BATTLE MANAGEMENT (TBM) C4I.....	15,528	15,528
150	TACTICAL AIR CONTROL PARTY--MOD.....	15,978	9,678
152	C2ISR TACTICAL DATA LINK.....	1,536	1,536
153	COMMAND AND CONTROL (C2) CONSTELLATION.....	18,102	18,102
154	JOINT SURVEILLANCE AND TARGET ATTACK RADAR SYSTEM.....	121,610	74,610
155	SEEK EAGLE.....	18,599	18,599
156	USAF MODELING AND SIMULATION.....	23,091	23,091
157	WARGAMING AND SIMULATION CENTERS.....	5,779	5,779
158	DISTRIBUTED TRAINING AND EXERCISES.....	5,264	3,264
159	MISSION PLANNING SYSTEMS.....	69,918	63,418
160	INFORMATION WARFARE SUPPORT.....	2,322	2,322
161	CYBER COMMAND ACTIVITIES.....	702	702
168	SPACE SUPERIORITY INTELLIGENCE.....	11,866	8,866

(IN THOUSANDS OF DOLLARS)

		BUDGET REQUEST	CONFERENCE
169	E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC).....	5,845	4,845
170	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK.....	43,811	43,811
171	INFORMATION SYSTEMS SECURITY PROGRAM.....	101,788	92,788
172	GLOBAL COMBAT SUPPORT SYSTEM.....	449	449
173	GLOBAL COMMAND AND CONTROL SYSTEM.....	3,854	3,854
175	MILSATCOM TERMINALS.....	238,729	196,729
175A	FAB-T ALTERNATIVE.....	---	42,000
177	AIRBORNE SIGINT ENTERPRISE.....	121,748	108,248
180	GLOBAL AIR TRAFFIC MANAGEMENT (GATM).....	4,604	4,604
181	CYBER SECURITY INITIATIVE.....	2,026	2,026
182	DOD CYBER CRIME CENTER.....	282	282
183	SATELLITE CONTROL NETWORK (SPACE).....	18,337	18,337
184	WEATHER SERVICE.....	31,084	31,084
185	AIR TRAFFIC CONTROL, APPROACH, & LANDING SYSTEM (ATC).....	63,367	21,367
186	AERIAL TARGETS.....	50,620	45,620
189	SECURITY AND INVESTIGATIVE ACTIVITIES.....	366	366
190	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES.....	39	39
192	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT).....	133,601	133,601
193	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL).....	17,893	17,893
195	SPACE AND MISSILE TEST AND EVALUATION CENTER.....	196,254	188,754
196	SPACE WARFARE CENTER.....	2,961	2,961
197	SPACELIFT RANGE SYSTEM (SPACE).....	9,940	9,940
198	INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS.....	1,271	1,271
200	ENDURANCE UNMANNED AERIAL VEHICLES.....	52,425	45,925
201	AIRBORNE RECONNAISSANCE SYSTEMS.....	106,877	103,877
202	MANNED RECONNAISSANCE SYSTEMS.....	13,049	13,049
203	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.....	90,724	85,724
204	PREDATOR UAV (JMIP).....	14,112	11,642
205	RQ-4 UAV.....	423,462	423,462
206	NETWORK-CENTRIC COLLABORATIVE TARGET (TIARA).....	7,348	7,348
207	GPS III SPACE SEGMENT.....	463,081	458,081
208	JSPOC MISSION SYSTEM.....	118,950	81,450

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(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	CONFERENCE
209 INTELLIGENCE SUPPORT TO INFORMATION WARFARE.....	14,736	14,736
210 NUDET DETECTION SYSTEM (SPACE).....	81,989	81,989
212 SPACE SITUATION AWARENESS OPERATIONS.....	31,956	31,956
213 INFORMATION OPS TECHNOLOGY INTEGRATION & TOOL DEVELOP..	23,931	23,931
214 SHARED EARLY WARNING (SEW).....	1,663	1,663
215 C-130 AIRLIFT SQUADRON.....	24,509	6,509
216 C-5 AIRLIFT SQUADRONS.....	24,941	12,941
217 C-17 AIRCRAFT.....	128,169	94,269
218 C-130J PROGRAM.....	39,537	39,537
219 LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM).....	7,438	7,438
220 LIGHT MOBILITY AIRCRAFT (LIMA).....	1,308	---
221 KC-135S.....	6,161	6,161
222 KC-10S.....	30,868	30,868
223 OPERATIONAL SUPPORT AIRLIFT.....	82,591	42,591
225 SPECIAL TACTICS / COMBAT CONTROL.....	7,118	5,218
226 DEPOT MAINTENANCE (NON-IF).....	1,531	1,531
228 LOGISTICS SUPPORT ACTIVITIES.....	944	944
229 LOGISTICS INFORMATION TECHNOLOGY (LOGIT).....	140,284	140,284
230 SUPPORT SYSTEMS DEVELOPMENT.....	10,990	50,990
232 OTHER FLIGHT TRAINING.....	322	322
233 JOINT NATIONAL TRAINING CENTER.....	11	11
235 OTHER PERSONNEL ACTIVITIES.....	113	113
236 JOINT PERSONNEL RECOVERY AGENCY.....	2,483	2,483
237 CIVILIAN COMPENSATION PROGRAM.....	1,508	1,508
238 PERSONNEL ADMINISTRATION.....	8,041	1,041
239 AIR FORCE STUDIES AND ANALYSIS AGENCY.....	928	928
240 FACILITIES OPERATION--ADMINISTRATION.....	12,118	12,118
241 FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT..	101,317	76,317
242 MANAGEMENT HQ--ADP SUPPORT (AF).....	299	299
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	6,510,126	5,768,203
CLASSIFIED PROGRAMS.....	12,063,140	11,910,943
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, AIR FORCE	27,737,701	26,535,996

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[in thousands of dollars]

R-1	Budget Request	Conference
2 UNIVERSITY RESEARCH INITIATIVES	140,273	152,273
Cyber Security research		12,000
4 MATERIALS	136,230	144,230
Nanotechnology research		8,000
11 DIRECTED ENERGY TECHNOLOGY	111,156	141,156
Space Situational Awareness		30,000
14 ADVANCED MATERIALS FOR WEAPONS SYSTEMS	39,738	60,738
Silicon Carbide research		12,500
Advanced Materials research		8,500
16 ADVANCED AEROSPACE SENSORS	53,075	63,075
Program increase		10,000
23 CONVENTIONAL WEAPONS TECHNOLOGY	54,042	45,542
High Velocity Penetrating Weapon - ahead of need		-8,500
24 ADVANCED WEAPONS TECHNOLOGY	28,683	48,683
Space Situational Awareness		20,000
31 ADVANCED EHF MILSATCOM (SPACE)	421,687	401,687
Excess to need - poor justification		-20,000
32 POLAR MILSATCOM (SPACE)	122,991	102,991
Development schedule delay		-20,000
37 SPACE PROTECTION PROGRAM (SPP)	9,819	7,319
Excess to need		-2,500
39 ICBM - DEM/VAL	67,202	69,702
Program increase		2,500
43 NEXT GENERATION BOMBER	197,023	297,023
Program increase		100,000
44 BMC2 SENSOR DEVELOPMENT	60,250	31,250
3DELRR contract delays		-29,000
46 HARD & DEEPLY BURIED TARGET DEFEAT SYSTEM	38,248	33,248
Program reduction		-5,000
53 OPERATIONALLY RESPONSIVE SPACE	86,543	111,543
Responsive Launch		25,000
55 NATIONAL POLAR-ORBITING OP ENV SATELLITE	444,900	43,000
DWSS program termination		-444,900
Termination liability		43,000
55A WEATHER SATELLITE FOLLOW-ON	0	125,000
Weather Satellite Follow-on Activities		125,000

R-1	Budget	
	Request	Conference
59 ELECTRONIC WARFARE DEVELOPMENT	26,880	16,880
MALD-J Increment 2 - Technology Development contract delay		-10,000
61 TACTICAL DATA NETWORKS ENTERPRISE	52,355	48,105
STRATCOM DNC2 contract delays		-3,000
CLIP - contract delays		-1,250
65 SPACE SITUATION AWARENESS SYSTEMS	273,689	241,089
Space Fence - poor justification		-20,000
Space Based Space Surveillance excess to need		-12,600
66 AIRBORNE ELECTRONIC ATTACK	47,100	41,000
Electronic Attack Pod delayed start		-3,500
AEA SoS contract delays		-2,600
69 ARMAMENT/ORDNANCE DEVELOPMENT	10,055	7,755
Universal Armament Interface contract delay		-2,300
71 AGILE COMBAT SUPPORT	11,878	7,978
BEAR - ahead of need		-3,900
73 LIFE SUPPORT SYSTEMS	11,280	9,280
Integrated Aircrew Ensemble contract award delays		-2,000
74 COMBAT TRAINING RANGES	28,106	8,106
Joint Threat Emitter Increment 2 - rephased program		-12,000
Air Combat Training Systems (P5) Upgrades - contract delay		-8,000
78 ICBM - EMD	158,477	148,477
Support Equipment - contract savings		-10,000
79 EVOLVED EXPENDABLE LAUNCH VEHICLE EMD	20,028	15,028
Program underexecution due to schedule delay		-5,000
81 CSAR HH-60 RECAPITALIZATION	94,113	11,113
Excess to need - Air Force requested transfer to AP, AF lines 63 and 73		-83,000
83 HC/MC-130 RECAP	27,071	22,071
Contract savings		-5,000
86 LAAR SQUADRONS	23,721	13,721
Program reduction		-10,000
88 FULL COMBAT MISSION TRAINING	39,826	29,826
Block 40/50 Mission Training Center excess to need		-10,000
90 CV-22	20,723	13,223
Slow execution/ contract delay		-7,500
91 AIRBORNE SENIOR LEADER C3 (SLC3S)	12,535	0
Program termination		-12,535
97 TEST AND EVALUATION (T&E) SUPPORT	654,475	704,475
Program increase		50,000

R-1	Budget Request	Conference
107 GPS III - OPERATIONAL CONTROL SEGMENT	390,889	366,889
Directorate support - reduction to growth		-24,000
112 B-52 SQUADRONS	133,261	93,996
SR2 excess to requirement		-11,265
EHF contract delays		-13,000
1760 IWBU contract delays		-10,000
IFF Mode S/5 Development contract delays		-5,000
115 B-2 SQUADRONS	340,819	280,319
Mixed loads capability		22,000
EHF Increment 2 contract delay		-82,500
117 NIGHT FIST - USSTRATCOM	5,421	2,000
Program reduction		-3,421
119 ATMOSPHERIC EARLY WARNING SYSTEM	4,485	0
Unjustified request		-4,485
REGION/SECTOR OP CONTROL CENTER		
120 MODERNIZATION	12,672	6,672
BCS-F excess to requirement		-6,000
123 MQ-9 DEVELOPMENT AND FIELDING	146,824	126,824
Ka Migration contract delays		-14,000
SAR contract delays		-1,000
EO/IR Sensor Development contract delays		-5,000
126 F-16 SQUADRONS	143,869	131,069
SLEP contract delay		-12,800
127 F-15E SQUADRONS	207,531	194,831
ADCP excess to requirement		-12,700
129 F-22 SQUADRONS	718,432	571,432
Reduce program growth		-147,000
130 F-35 SQUADRONS	47,841	9,967
Block 4 development early to need		-37,874
AIRCRAFT ENGINE COMPONENT IMPROVEMENT		
139 PROGRAM (CIP)	182,967	172,967
Excess to requirement		-10,000
144 AWACS	135,961	118,661
Poor program execution		-17,300
146 ADVANCED COMMUNICATIONS SYSTEMS	90,083	44,883
JTRS Integration and Engineering Support schedule delays		-5,200
Common Processing Environment schedule delays		-40,000
150 TACTICAL AIR CONTROL PARTY-MOD	15,978	9,678
VCS - Program termination and restructure		-4,300
JETS contract delays		-2,000

R-1	Budget	
	Request	Conference
154 JOINT STARS	121,610	74,610
PME-DMS contract delays		-14,000
Unjustified request based on program restructure		-33,000
158 DISTRIBUTED TRAINING AND EXERCISES	5,264	3,264
Unjustified growth		-2,000
159 MISSION PLANNING SYSTEMS	69,918	63,418
CAF Increment IV critical change delay		-6,500
168 SPACE SUPERIORITY INTELLIGENCE	11,866	8,866
Program underexecution due to schedule delays		-3,000
169 E-4B NATIONAL AIRBORNE OPERATIONS CENTER	5,845	4,845
Secure, Survivable Communications delayed program start		-1,000
171 INFORMATION SYSTEMS SECURITY PROGRAM	101,788	92,788
Crypto Mod program delays		-9,000
175 MILSATCOM TERMINALS	238,729	196,729
Transfer to line 175a		-42,000
175a FAB-T ALTERNATIVE	0	42,000
FAB-T alternative		42,000
177 AIRBORNE SIGINT ENTERPRISE (JMIP)	121,748	108,248
ASIP 2C contract delays		-12,000
RQ-4 program delays		-1,500
AIR TRAFFIC CONTROL/APPROACH/LANDING SYSTEM		
185 (ATCAL)	63,367	21,367
D-RAPCON test articles early to need		-42,000
186 AERIAL TARGETS	50,620	45,620
QF-16 excess to need		-5,000
195 SPACE AND MISSILE T&E CENTER	196,254	188,754
Excess to need		-7,500
200 ENDURANCE UAVS	52,425	45,925
Funded in PA 11-14 prior approval reprogramming		-6,500
201 AIRBORNE RECONNAISSANCE SYSTEMS	106,877	103,877
Broad Area Surveillance Sensors - terminate program and transfer content to Imagery and Targeting Support for WAMI		-18,200
Imagery and Targeting Support		15,200
203 DISTRIBUTED COMMON GROUND SYSTEM	90,724	85,724
Contract delays due to program reprioritization		-5,000
204 MQ-1 PREDATOR DEVELOPMENT/FIELDING	14,112	11,642
Common Sensor Payload ahead of need		-2,470
207 GPS III SPACE SEGMENT	463,081	458,081
GPS III CIP - poor justification		-5,000

R-1	Budget Request	Conference
208 JSPOC MISSION SYSTEM Excess to need	118,950	81,450 -37,500
215 C-130 AIRLIFT SQUADRONS Contract delays	24,509	6,509 -18,000
216 C-5 AIRLIFT SQUADRONS RERP Program rephased	24,941	12,941 -12,000
217 C-17 AIRCRAFT Contract delays	128,169	94,269 -33,900
220 LIGHT MOBILITY AIRCRAFT (LIMA) Funded in fiscal year 2011	1,308	0 -1,308
223 OPERATIONAL SUPPORT AIRLIFT VC-25A funding ahead of need	82,591	42,591 -40,000
225 SPECIAL TACTICS/COMBAT CONTROL Line of Sight contract delay	7,118	5,218 -1,900
230 SUPPORT SYSTEMS DEVELOPMENT Alternative Energy research	10,990	50,990 40,000
238 PERSONNEL ADMINISTRATION Contract delays	8,041	1,041 -7,000
241 FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEAMS excess to requirement	101,317	76,317 -25,000
999 CLASSIFIED PROGRAMS Classified adjustment	12,063,140	11,910,943 -152,197

INTEGRATED AIRCREW ENSEMBLE

The conference agreement provides \$3,980,000 for the Integrated Aircrew Ensemble (IAE), a decrease of \$2,000,000 below the request. The conferees understand that the IAE will provide more fully integrated upgrades to various flight safety gear and special protections in unique threat environments and is not a redesign of the current flight suit. Given existing and prospective budget constraints, the conferees urge the Air Force to proceed with the program in a requirements-focused and fiscally sustainable manner.

KC-46A

The conferees direct the Secretary of the Air Force to submit the reports regarding the KC-46A required in House Report 112-110 on a quarterly basis, with the first report to be submitted not later than March 30, 2012.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE

The conference agreement on items addressed by either the House or the Senate is as follows:

716

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	CONFERENCE	
RESEARCH, DEVELOPMENT, TEST & EVAL., DEFENSE-WIDE			
BASIC RESEARCH			
1	DTRA UNIVERSITY STRATEGIC PARTNERSHIP BASIC RESEARCH..	47,737	47,737
2	DEFENSE RESEARCH SCIENCES.....	290,773	290,773
3	BASIC RESEARCH INITIATIVES.....	14,731	7,731
5	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE.....	37,870	37,870
6	NATIONAL DEFENSE EDUCATION PROGRAM.....	101,591	86,591
7	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	52,617	52,617
	TOTAL, BASIC RESEARCH.....	545,319	523,319
APPLIED RESEARCH			
8	JOINT MUNITIONS TECHNOLOGY.....	21,592	20,592
9	BIOMEDICAL TECHNOLOGY.....	110,000	95,000
11	LINCOLN LABORATORY RESEARCH PROGRAM.....	37,916	37,916
12	SYSTEMS 2020 APPLIED RESEARCH.....	4,381	---
13	INFORMATION AND COMMUNICATIONS TECHNOLOGY.....	400,499	354,125
14	COGNITIVE COMPUTING SYSTEMS.....	49,365	49,365
15	MACHINE INTELLIGENCE.....	61,351	52,276
16	BIOLOGICAL WARFARE DEFENSE.....	30,421	30,421
17	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	219,873	219,873
18	JOINT DATA MANAGEMENT ADVANCED DEVELOPMENT.....	9,235	4,235
19	CYBER SECURITY RESEARCH.....	9,735	4,735
20	HUMAN, SOCIAL AND CULTURE BEHAVIOR MODELING (HSCB) APP	14,923	8,923
21	TACTICAL TECHNOLOGY.....	206,422	202,422
22	MATERIALS AND BIOLOGICAL TECHNOLOGY.....	237,837	222,837
23	ELECTRONICS TECHNOLOGY.....	215,178	215,178
24	WEAPONS OF MASS DESTRUCTION DEFEAT TECHNOLOGIES.....	196,954	196,954
25	SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT.....	26,591	41,591
	TOTAL, APPLIED RESEARCH.....	1,852,273	1,756,443

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	CONFERENCE
27	ADVANCED TECHNOLOGY DEVELOPMENT JOINT MUNITIONS ADVANCED TECH INSENSITIVE MUNITIONS AD	24,771 15,771
28	SO/LIC ADVANCED DEVELOPMENT.....	45,028 45,028
29	COMBATING TERRORISM TECHNOLOGY SUPPORT.....	77,019 77,019
30	COUNTERPROLIFERATION INITIATIVES--PROLIF PREV & DEFEAT	283,073 283,073
31	BALLISTIC MISSILE DEFENSE TECHNOLOGY.....	75,003 75,003
32	JOINT ADVANCED CONCEPTS.....	7,903 6,803
33	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT.....	20,372 20,372
34	SYSTEMS 202 ADVANCED TECHNOLOGY DEVELOPMENT.....	4,381 ---
35	AGILE TRANSPD FOR THE 21ST CENTURY (AT21) - THEATER CA	998 998
36	SPECIAL PROGRAM--MDA TECHNOLOGY.....	61,458 61,458
37	ADVANCED AEROSPACE SYSTEMS.....	98,878 98,878
38	SPACE PROGRAMS AND TECHNOLOGY.....	97,541 97,541
39	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - ADVANCED DEV	229,235 229,235
40	JOINT ELECTRONIC ADVANCED TECHNOLOGY.....	7,287 7,287
41	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS.....	187,707 176,707
42	NETWORKED COMMUNICATIONS CAPABILITIES.....	23,890 23,890
43	JOINT DATA MANAGEMENT RESEARCH.....	9,235 4,235
44	BIOMETRICS SCIENCE AND TECHNOLOGY.....	10,762 10,762
45	CYBER SECURITY ADVANCED RESEARCH.....	10,709 5,709
46	HUMAN, SOCIAL AND CULTURE BEHAVIOR MODELING (HSCB) ADV	18,179 13,179
47	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROG	17,888 47,888
48	EMERGING CAPABILITIES TECHNOLOGY DEVELOPMENT.....	26,972 26,972
49	JOINT ROBOTICS PROGRAM/AUTONOMOUS SYSTEMS.....	9,756 9,756
50	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS.....	23,887 23,887
51	DEPLOYMENT AND DISTRIBUTION ENTERPRISE TECHNOLOGY.....	41,976 29,976
52	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM.....	66,409 66,409
53	MICROELECTRONIC TECHNOLOGY DEVELOPMENT AND SUPPORT....	91,132 61,132
54	JOINT WARFIGHTING PROGRAM.....	10,547 10,547
55	ADVANCED ELECTRONICS TECHNOLOGIES.....	160,286 150,286
58	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS.....	296,537 261,606
59	CLASSIFIED DARPA PROGRAMS.....	107,226 107,226
60	NETWORK-CENTRIC WARFARE TECHNOLOGY.....	235,245 208,503

(IN THOUSANDS OF DOLLARS)

		BUDGET REQUEST	CONFERENCE
61	SENSOR TECHNOLOGY.....	271,802	271,802
	DEFENSE RAPID INNOVATION PROGRAM.....	---	200,000
63	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT..	13,579	13,579
64	SOFTWARE ENGINEERING INSTITUTE.....	30,424	30,424
65	QUICK REACTION SPECIAL PROJECTS.....	89,925	60,765
66	JOINT EXPERIMENTATION.....	58,130	39,130
67	MODELING AND SIMULATION MANAGEMENT OFFICE.....	37,029	31,029
68	DIRECTED ENERGY RESEARCH.....	96,329	50,000
69	NEXT GENERATION AEGIS MISSILE.....	123,456	13,456
70	TEST & EVALUATION SCIENCE & TECHNOLOGY.....	99,593	99,593
72	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT.....	20,444	20,444
73	CWMD SYSTEMS.....	7,788	4,288
74	SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT....	35,242	30,242
75	AVIATION ENGINEERING ANALYSIS.....	837	837
76	SOF INFORMATION AND BROADCAST SYSTEMS ADVANCED TECH...	4,924	4,924
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	3,270,792	3,127,649
	DEMONSTRATION & VALIDATION		
77	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT..	36,798	30,798
78	RETRACT LARCH.....	21,040	21,040
79	WALKOFF.....	112,142	112,142
80	JOINT ROBOTICS PROGRAM.....	11,129	11,129
81	ADVANCE SENSOR APPLICATIONS PROGRAM.....	18,408	18,408
82	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM	63,606	63,606
83	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT....	290,452	290,452
84	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT...	1,161,001	1,161,001
86	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	261,143	213,155
87	BALLISTIC MISSILE DEFENSE SENSORS.....	222,374	222,374
88	BALLISTIC MISSILE DEFENSE TEST & TARGETS.....	1,071,039	85,690
88A	BMD TESTS.....	---	488,382
88B	BMD TARGETS.....	---	454,999
89	BALLISTIC MISSILE DEFENSE ENABLING PROGRAMS.....	373,563	415,531
90	SPECIAL PROGRAMS - MDA.....	296,554	296,554
91	AEGIS BMD.....	960,267	990,267

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	CONFERENCE
92	SPACE SURVEILLANCE & TRACKING SYSTEM.....	96,353 96,353
93	BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS.....	7,951 7,951
94	BALLISTIC MISSILE DEFENSE C2BMC.....	364,103 364,103
96	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT....	41,225 41,225
91	BALLISTIC MISSILE DEFENSE INTERGRATION AND OPERATIONS	
97	CENTER (MDIOC).....	69,325 69,325
98	REGARDING TRENCH.....	15,797 15,797
99	SEA BASED X-BAND RADAR (SBX).....	177,058 177,058
101	ISRAELI COOPERATIVE PROGRAMS.....	106,100 235,700
102	HUMANITARIAN DEMINING.....	14,996 14,996
103	COALITION WARFARE.....	12,743 12,743
104	DEPARTMENT OF DEFENSE CORROSION PROGRAM.....	3,221 35,321
105	DOD UNMANNED AIRCRAFT SYSTEM (UAS) COMMON DEVELOPMENT.	25,120 25,120
107	HUMAN, SOCIAL AND CULTURE BEHAVIOR MODELING (HSCB) RES	10,309 7,509
108	JOINT SYSTEMS INTEGRATION COMMAND (JSIC).....	13,024 13,024
109	JOINT FIRES INTEGRATION & INTEROPERABILITY TEAM.....	9,290 9,290
110	LAND-BASED SM-3 (LBSM3).....	306,595 306,595
111	AEGIS SM-3 BLOCK IIA CO-DEVELOPMENT.....	424,454 474,454
112	PRECISION TRACKING SPACE SYSTEM RDT&E.....	160,818 80,818
113	AIRBORNE INFRARED (ABIR).....	46,877 ---
115	JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM.....	3,358 3,358
116	DEFENSE ACQUISITION CHALLENGE PROGRAM (DACP).....	--- 25,000
117	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT .	7,220 7,220
118	PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT.....	204,824 179,824
	TOTAL, DEMONSTRATION & VALIDATION.....	7,020,277 7,078,312
	ENGINEERING & MANUFACTURING DEVELOPMENT	
119	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	400,608 316,608
120	JOINT ROBOTICS PROGRAM.....	2,782 2,782
121	ADVANCED IT SERVICES JOINT PROGRAM OFFICE (AITS-JPO)..	49,198 38,824
122	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)	17,395 17,395
123	WEAPONS OF MASS DESTRUCTION DEFEAT CAPABILITIES.....	5,888 5,888
124	INFORMATION TECHNOLOGY DEVELOPMENT.....	12,228 12,228
127	HOMELAND PERSONNEL SECURITY INITIATIVE.....	389 389

(IN THOUSANDS OF DOLLARS)

		BUDGET REQUEST	CONFERENCE
128	DEFENSE EXPORTABILITY PROGRAM.....	1,929	1,929
129	OUSD(C) IT DEVELOPMENT INITIATIVES.....	4,993	4,993
130	DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION..	134,285	94,285
131	DCMO POLICY AND INTEGRATION.....	41,808	41,808
133	DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITY.....	14,950	14,950
135	GLOBAL COMBAT SUPPORT SYSTEM.....	19,837	19,837
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	706,290	571,916
RDT&E MANAGEMENT SUPPORT			
137	DEFENSE READINESS REPORTING SYSTEM (DRRS).....	6,658	6,658
138	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT.....	4,731	4,731
139	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT....	140,231	160,231
140	ASSESSMENTS AND EVALUATIONS.....	2,757	2,757
141	THERMAL VICAR.....	7,827	7,827
142	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC).....	10,479	10,479
143	TECHNICAL STUDIES, SUPPORT AND ANALYSIS.....	34,213	34,213
144	USD(A&T)--CRITICAL TECHNOLOGY SUPPORT.....	1,486	1,486
145	FOREIGN MATERIAL ACQUISITION AND EXPLOITATION.....	64,524	64,524
146	JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION....	79,859	79,859
147	CLASSIFIED PROGRAM USD(P).....	---	100,000
148	FOREIGN COMPARATIVE TESTING.....	19,080	19,080
149	SYSTEMS ENGINEERING.....	41,884	41,884
150	NUCLEAR MATTERS - PHYSICAL SECURITY.....	4,261	4,261
151	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION.....	9,437	9,437
152	GENERAL SUPPORT TO USD (INTELLIGENCE).....	6,549	6,549
153	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	92,806	92,806
160	SMALL BUSINESS INNOVATION RESEARCH/CHALLENGE ADMINISTR	1,924	1,924
161	DEFENSE TECHNOLOGY ANALYSIS.....	16,135	16,135
163	DEFENSE TECHNICAL INFORMATION CENTER (DTIC).....	56,269	56,269
164	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING & EVALUATION	49,810	49,810
165	DEVELOPMENT TEST AND EVALUATION.....	15,805	19,305
166	DARPA AGENCY RELOCATION.....	1,000	1,000
167	MANAGEMENT HEADQUARTERS (RESEARCH & DEVELOPMENT).....	66,689	66,689

(IN THOUSANDS OF DOLLARS)

		BUDGET REQUEST	CONFERENCE
168	BUDGET AND PROGRAM ASSESSMENTS.....	4,528	4,528
169	AVIATION SAFETY TECHNOLOGIES.....	6,925	6,925
170	OPERATIONS SECURITY (OPSEC).....	1,777	1,777
171	JOINT STAFF ANALYTICAL SUPPORT.....	18	18
174	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES...	12,209	12,209
175	INFORMATION TECHNOLOGY RAPID ACQUISITION.....	4,288	4,288
176	CYBER SECURITY INITIATIVE.....	10,000	5,000
177	INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS (IO)...	15,002	15,002
179	WARFIGHTING AND INTELLIGENCE-RELATED SUPPORT.....	861	861
180	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION.	59,958	38,090
182	MANAGEMENT HEADQUARTERS - MDA.....	28,908	28,908
183	IT SOFTWARE DEV INITIATIVES.....	167	167
999	CLASSIFIED PROGRAMS.....	82,627	82,627
	TOTAL, RDT&E MANAGEMENT SUPPORT.....	961,682	1,058,314
OPERATIONAL SYSTEMS DEVELOPMENT			
185	DEFENSE INFORMATION SYSTEM FOR SECURITY (DISS).....	8,706	6,206
186	REGIONAL INTERNATIONAL OUTREACH & PARTNERSHIP FOR PEAC	2,165	2,165
187	OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMATION SY	288	288
188	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS D	15,956	15,956
189	JOINT INTEGRATION AND INTEROPERABILITY.....	29,880	29,880
190	CLASSIFIED PROGRAMS.....	2,402	2,402
191	C4I INTEROPERABILITY.....	72,403	72,403
193	JOINT/ALLIED COALITION INFORMATION SHARING.....	7,093	7,093
200	NATIONAL MILITARY COMMAND SYSTEM-WIDE SUPPORT.....	481	481
201	DEFENSE INFO INFRASTRUCTURE ENGINEERING & INTEGRATION.	8,366	15,866
202	LONG HAUL COMMUNICATIONS (DCS).....	11,324	11,324
203	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK....	12,514	12,514
204	PUBLIC KEY INFRASTRUCTURE (PKI).....	6,548	6,548
205	KEY MANAGEMENT INFRASTRUCTURE (KMI).....	33,751	33,751
206	INFORMATION SYSTEMS SECURITY PROGRAM.....	11,753	11,753
207	INFORMATION SYSTEMS SECURITY PROGRAM.....	348,593	348,593
208	INFORMATION SYSTEMS SECURITY PROGRAM.....	5,500	5,500
211	GLOBAL COMMAND AND CONTROL SYSTEM.....	54,739	54,739

(IN THOUSANDS OF DOLLARS)

		BUDGET REQUEST	CONFERENCE
212	JOINT SPECTRUM CENTER.....	29,154	29,154
213	NET-CENTRIC ENTERPRISE SERVICES (NCES).....	1,830	1,830
214	JOINT MILITARY DECEPTION INITIATIVE.....	1,241	1,241
215	TELEPORT PROGRAM.....	6,418	6,418
217	SPECIAL APPLICATIONS FOR CONTINGENCIES.....	5,045	5,045
220	CYBER SECURITY INITIATIVE.....	411	411
222	CYBER SECURITY INITIATIVE.....	4,341	4,341
223	CRITICAL INFRASTRUCTURE PROTECTION (CIP).....	13,008	13,008
227	POLICY R&D PROGRAMS.....	6,603	6,603
229	NET CENTRICITY.....	14,926	14,926
232	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.....	4,303	1,303
235	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.....	3,154	3,154
237	MQ-1 PREDATOR A UAV.....	2,499	2,499
239	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM.....	2,660	2,660
240	INT'L INTELLIGENCE TECHNOLOGY ASSESSMENT, ADVANCEMENT.....	1,444	1,444
248	INDUSTRIAL PREPAREDNESS.....	23,103	23,103
249	LOGISTICS SUPPORT ACTIVITIES.....	2,466	2,466
250	MANAGEMENT HEADQUARTERS (JCS).....	2,730	2,730
252	MQ-9 UAV.....	2,499	2,499
253	RQ-11 UAV.....	3,000	1,500
254	RQ-7 UAV.....	450	450
256	SPECIAL OPERATIONS AVIATION SYSTEMS ADVANCED DEV.....	89,382	74,382
257	SPECIAL OPERATIONS TACTICAL SYSTEMS DEVELOPMENT.....	799	799
258	SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT.....	27,916	27,916
259	SOF OPERATIONAL ENHANCEMENTS.....	60,915	65,415
260	SPECIAL OPERATIONS CV-22 DEVELOPMENT.....	10,775	10,775
263	MISSION TRAINING AND PREPARATION SYSTEMS (MTPS).....	4,617	4,617
265	MC130J SOF TANKER RECAPITALIZATION.....	18,571	18,571
266	SOF COMMUNICATIONS EQUIPMENT AND ELECTRONICS SYSTEMS..	1,392	1,392
268	SOF WEAPONS SYSTEMS.....	2,610	2,610
269	SOF SOLDIER PROTECTION AND SURVIVAL SYSTEMS.....	2,971	2,971
270	SOF VISUAL AUGMENTATION, LASERS & SENSOR SYSTEMS.....	3,000	3,000

(IN THOUSANDS OF DOLLARS)

		BUDGET REQUEST	CONFERENCE
271	SOF TACTICAL VEHICLES.....	3,522	3,522
272	SOF MUNITIONS.....	1,500	1,500
273	SOF ROTARY WING AVIATION.....	51,123	51,123
274	SOF UNDERWATER SYSTEMS.....	92,424	68,424
275	SOF SURFACE CRAFT.....	14,475	14,475
276	SOF PSYOP.....	2,990	2,990
277	SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES.....	8,923	8,923
278	SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE.....	9,473	9,473
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	1,171,125	1,137,125
999	CLASSIFIED PROGRAMS.....	4,227,920	3,940,877
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, DEF-WIDE.	19,755,678	19,193,955

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1	Budget Request	Conference
3 BASIC RESEARCH INITIATIVES	14,731	7,731
Reduction to new starts		-7,000
6 NATIONAL DEFENSE EDUCATION PROGRAM	101,591	86,591
Excessive growth		-15,000
8 JOINT MUNITIONS TECHNOLOGY	21,592	20,592
Excessive growth		-1,000
9 BIOMEDICAL TECHNOLOGY	110,000	95,000
Unsustained funding		-15,000
12 SYSTEMS 2020 APPLIED RESEARCH	4,381	0
Duplication of effort		-4,381
13 INFORMATION AND COMMUNICATIONS TECHNOLOGY	400,499	354,125
IT-03 unsustained funding		-12,900
IT-04 unsustained funding		-13,474
Reduction to new starts		-20,000
15 MACHINE INTELLIGENCE	61,351	52,276
Unsustained growth		-9,075
JOINT DATA MANAGEMENT ADVANCED		
18 DEVELOPMENT	9,235	4,235
Excessive growth		-5,000
19 CYBER SECURITY RESEARCH	9,735	4,735
Program increase		-5,000
HUMAN, SOCIAL AND CULTURE BEHAVIOR MODELING		
20 (HSCB) APPLIED RESEARCH	14,923	8,923
Excessive growth		-6,000
21 TACTICAL TECHNOLOGY	206,422	202,422
Reduction to new starts		-4,000
22 MATERIALS AND BIOLOGICAL TECHNOLOGY	237,837	222,837
Excessive growth		-15,000
25 SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT	26,591	41,591
Program increase - unfunded requirement		15,000
JOINT MUNITIONS ADVANCED TECHNOLOGY		
27 INSENSITIVE MUNITIONS ADVANCED TECHNOLOGY	24,771	15,771
Excessive growth		-9,000
32 JOINT ADVANCED CONCEPTS	7,903	6,803
Unsustained growth		-1,100
SYSTEMS 202 ADVANCED TECHNOLOGY		
34 DEVELOPMENT	4,381	0
Lack of transition plan		-4,381

R-1		Budget Request	Conference
41	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS Excessive growth	187,707	176,707 -11,000
43	JOINT DATA MANAGEMENT RESEARCH Delay of fiscal year 2011 new start	9,235	4,235 -5,000
45	CYBER SECURITY ADVANCED RESEARCH Program adjustment	10,709	5,709 -5,000
46	HUMAN, SOCIAL AND CULTURE BEHAVIOR MODELING (HSCB) ADVANCED TECHNOLOGY Excessive growth	18,179	13,179 -5,000
47	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM Industrial Base Innovation Fund program - Program adjustment	17,888	47,888 30,000
51	DEPLOYMENT AND DISTRIBUTION ENTERPRISE TECHNOLOGY Excessive growth	41,976	29,976 -12,000
53	MICROELECTRONIC TECHNOLOGY DEVELOPMENT AND SUPPORT 90nm Next Generation Foundry	91,132	61,132 -30,000
55	ADVANCED ELECTRONICS TECHNOLOGIES Reduction to new starts	160,286	150,286 -10,000
58	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS CCC-01 unsustained growth CCC-02 unsustained growth CCC-CLS unsustained growth Reduction to new starts	296,537	261,606 -7,490 -3,850 -10,591 -13,000
60	NETWORK-CENTRIC WARFARE TECHNOLOGY NET-01 unsustained growth Reduction to new starts	235,245	208,503 -11,742 -15,000
61A	DEFENSE RAPID INNOVATION PROGRAM Defense Rapid Innovation Program - Program adjustment		200,000 200,000
65	QUICK REACTION SPECIAL PROJECTS P832 P826/P828 excessive growth	89,925	60,765 -4,160 -25,000
66	JOINT EXPERIMENTATION Program adjustment	58,130	39,130 -19,000
67	MODELING AND SIMULATION MANAGEMENT OFFICE Excessive growth	37,029	31,029 -6,000
68	DIRECTED ENERGY RESEARCH Program adjustment	96,329	50,000 -46,329

R-1	Budget Request	Conference
69 NEXT GENERATION AEGIS MISSILE	123,456	13,456
Transfer to lines 91 for SM-3 IB and line 111 for SM-3 IIA for program adjustments		-110,000
73 COMBATING WEAPONS OF MASS DESTRUCTION SYSTEMS	7,788	4,288
Program reduction		-3,500
74 SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT	35,242	30,242
Excess to need		-5,000
77 NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT	36,798	30,798
Unexecutable growth		-6,000
86 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	261,143	213,155
JPID program restructure		-13,988
INATS schedule delays		-13,000
VAC FILO execution delays		-9,000
IBP schedule delay		-12,000
88 BALLISTIC MISSILE DEFENSE TEST & TARGETS	1,071,039	85,690
Transfer to lines 88a, 88b, and 89		-985,349
88a BMD Tests		488,382
Transfer from line 88		488,382
88b BMD Targets		454,999
Transfer from line 88		454,999
89 BALLISTIC MISSILE DEFENSE ENABLING PROGRAMS	373,563	415,531
Transfer from line 88		41,968
91 AEGIS BMD	960,267	990,267
Transfer from line 69 Next Generation Aegis Missile for SM-3 Block IB production improvements program adjustment		30,000
101 ISRAELI COOPERATIVE PROGRAMS	106,100	235,700
Arrow 3		13,000
Arrow System Improvement Program (ASIP)		47,200
David's Sling Weapon System		69,400
104 DEPARTMENT OF DEFENSE CORROSION PROGRAM	3,221	35,321
Program adjustment		32,100
107 HUMAN, SOCIAL AND CULTURE BEHAVIOR MODELING (HSCB) RESEARCH & ENGINEERING	10,309	7,509
Excessive growth		-2,800
111 AEGIS SM-3 BLOCK IIA CO-DEVELOPMENT	424,454	474,454
Transfer from line 69 Next Generation Aegis Missile for Risk Reduction program adjustment		50,000

R-1	Budget Request	Conference
112 PRECISION TRACKING SPACE SYSTEM RDT&E	160,818	80,818
Unjustified program		-80,000
113 AIRBORNE INFRARED (ABIR)	46,877	0
Program adjustment		-46,877
DEFENSE ACQUISITION CHALLENGE PROGRAM		
116 (DACP)	0	25,000
Restore unjustified reduction		25,000
118 PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT	204,824	179,824
Program adjustment		-25,000
119 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	400,608	316,608
Decontamination Family of Systems schedule delays		-10,000
Bioscavenger program delays		-24,000
MCMi, Duplication with other government programs		-50,000
ADVANCED IT SERVICES JOINT PROGRAM OFFICE		
121 (AITS-JPO)	49,198	38,824
Technology Innovation Fund		-25,374
Cyber threat discovery - program adjustment		15,000
DOD ENTERPRISE SYSTEMS DEVELOPMENT AND		
130 DEMONSTRATION	134,285	94,285
Program growth		-40,000
CENTRAL TEST AND EVALUATION INVESTMENT		
139 DEVELOPMENT	140,231	160,231
Restore unjustified reduction		20,000
147 CLASSIFIED PROGRAM USD(P)	0	100,000
Classified program USD(P)		100,000
165 DEVELOPMENT TEST AND EVALUATION	15,805	19,305
Fiscal year 2012 WSARA shortfall - program adjustment		3,500
176 CYBER SECURITY INITIATIVE	10,000	5,000
Execution delays		-5,000
COCOM EXERCISE ENGAGEMENT AND TRAINING		
180 TRANSFORMATION	59,958	38,090
P754 - Duplication with Service initiatives		-21,868
DEFENSE INFORMATION SYSTEM FOR SECURITY		
185 (DISS)	8,706	6,206
Excessive growth		-2,500
DEFENSE INFO INFRASTRUCTURE ENGINEERING AND		
201 INTEGRATION	8,366	15,866
Cybersecurity pilots program adjustment		7,500
232 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	4,303	1,303
Unjustified increase		-3,000

R-1	Budget Request	Conference
253 RQ-11 UAV	3,000	1,500
Lack of full funding		-1,500
SPECIAL OPERATIONS AVIATION SYSTEMS		
256 ADVANCED DEVELOPMENT	89,382	74,382
MC-130 TF/TA radar contract award delay		-15,000
259 SOF OPERATIONAL ENHANCEMENTS	60,915	65,415
Program Increase - Electronic Warfare unfunded requirement		4,500
274 SOF UNDERWATER SYSTEMS	92,424	68,424
Excessive growth		-24,000
CLASSIFIED PROGRAMS	4,227,920	3,940,877
Classified adjustment		-289,043
File sanitization tool (FiST) - program adjustment		2,000

DEFENSE ADVANCED RESEARCH PROJECTS AGENCY

The conferees recommend a total of \$166,122,000 in undistributed reductions throughout the Defense Advanced Research Projects Agency (DARPA). The conferees direct the Director of DARPA to provide a report to the congressional defense committees, not later than 60 days after enactment of this Act, detailing by program element and project the application of each undistributed reduction.

PROMPT GLOBAL STRIKE

The fiscal year 2012 budget request includes \$204,824,000 to continue the Prompt Global Strike program. The conferees recommend \$179,824,000, a reduction of \$25,000,000, based on program delays caused by two consecutive flight test failures of the Hypersonic Technology Vehicle 2. The conferees remain supportive of the Prompt Global Strike program and direct that the reduction not be applied to the Advanced Hypersonic Weapon program, which just completed a successful flight demonstration.

SPECIAL OPERATIONS COMMAND UNDERSEA MOBILITY CONCEPTS

The fiscal year 2012 budget request includes \$92,242,000 for several programs that are designed to collectively fill the capability gap that remains following termination of the Advanced SEAL Delivery System and its successor, the Joint Multi-Mission Submersible. The conferees note that unobligated prior year appropriations, combined with funds provided in the Department of Defense Appropriations Act, 2012, would allow the Special Operations Command (SOCOM) to award several commercial contracts to develop a Family of Systems to meet its requirement. The conferees direct the Commander, SOCOM to provide separate cost estimates for the Technology Development and Engineering and Manufacturing Development phases for each of the projects in support of Undersea Mobility, as well as the estimated procurement costs, with the fiscal year 2013 budget submission.

ISRAELI COOPERATIVE PROGRAMS

The fiscal year 2012 budget request includes \$106,100,000 to continue Israeli Cooperative Programs, a decrease of over \$100,000,000 from amounts appropriated in fiscal year 2011. The conferees find the request insufficient and provide an additional \$129,600,000 to address Israel's security requirements. Within this amount, \$15,000,000 shall be used only for the Low Rate Initial Production activities as included in the David's Sling Weapon System project agreement between the two governments.

MEDICAL COUNTERMEASURES INITIATIVE

The conferees recommend \$101,670,000, instead of \$151,670,000 as proposed by the House and no funding as proposed by the Senate, for the Medical Countermeasures Initiative (MCMI) System Development and Demonstration. The conferees support the purpose of the MCMI program but are concerned that synergies with other government programs have not been sufficiently explored and that the government is creating slightly distinct, yet

largely redundant capabilities. Therefore, the conferees direct the Assistant Secretary of Defense (Nuclear, Chemical, and Biological Defense Programs) to continue efforts to reduce costs and program overlap.

90NM NEXT GENERATION FOUNDRY

The recommendation includes no funding for the requested 90nm Next Generation Foundry, due to the lack of justification in support of the budget submission. However, the conferees recognize the criticality of ensuring a safe and stable supply of microchips to the Department of Defense and will revisit this issue in the future.

OPERATIONAL TEST AND EVALUATION, DEFENSE

The conference agreement on items addressed by either the House or the Senate is as follows:

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(IN THOUSANDS OF DOLLARS)

		BUDGET	CONFERENCE
		REQUEST	

OPERATIONAL TEST AND EVALUATION, DEFENSE			
	RDT&E MANAGEMENT SUPPORT		
1	OPERATIONAL TEST AND EVALUATION.....	60,444	60,444
2	LIVE FIRE TESTING.....	12,126	12,126
3	OPERATIONAL TEST ACTIVITIES AND ANALYSES.....	118,722	118,722
TOTAL, RDT&E MANAGEMENT SUPPORT.....		191,292	191,292
TOTAL, OPERATIONAL TEST AND EVALUATION, DEFENSE.....		191,292	191,292
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