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**[House Appropriations Committee Print]**

**Consolidated Security, Disaster Assistance, and Continuing  
Appropriations Act, 2009  
(H.R. 2638; P.L. 110-329)**

**DIVISION C—DEPARTMENT OF DEFENSE  
APPROPRIATIONS ACT, 2009**

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*[CLERK'S NOTE: Four sections which precede division A in the Consolidated Security, Disaster Assistance, and Continuing Appropriations Act apply to all divisions of the Act, including this one. The text of these sections is as follows:]*

**SECTION 1. SHORT TITLE.**

This Act may be cited as the "Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009".

**SEC. 2. TABLE OF CONTENTS.**

*[Text omitted for purposes of this note]*

**SEC. 3. REFERENCES.**

Except as expressly provided otherwise, any reference to "this Act" or "this joint resolution" contained in any division of this Act shall be treated as referring only to the provisions of that division.

**SEC. 4. EXPLANATORY STATEMENT.**

The explanatory statement regarding this legislation, printed in the House of Representatives section of the Congressional Record on or about September 24, 2008 by the Chairman of the Committee on Appropriations of the House, shall have the same effect with respect to the allocation of funds and implementation of this Act as if it were a joint explanatory statement of a committee of conference.

*Reproduced below is the text of division C of the Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009 (H.R. 2638; P.L. 110-329) as presented to the President for signature.]*

## LEGISLATIVE TEXT, DIVISION C

DIVISION C—DEPARTMENT OF DEFENSE APPROPRIATIONS  
ACT, 2009

That the following sums are appropriated, out of any money in the Treasury not otherwise appropriated, for the fiscal year ending September 30, 2009, for military functions administered by the Department of Defense and for other purposes, namely:

## TITLE I

## MILITARY PERSONNEL

## MILITARY PERSONNEL, ARMY

For pay, allowances, individual clothing, subsistence, interest on deposits, gratuities, permanent change of station travel (including all expenses thereof for organizational movements), and expenses of temporary duty travel between permanent duty stations, for members of the Army on active duty, (except members of reserve components provided for elsewhere), cadets, and aviation cadets; for members of the Reserve Officers' Training Corps; and for payments pursuant to section 156 of Public Law 97-377, as amended (42 U.S.C. 402 note), and to the Department of Defense Military Retirement Fund, \$36,382,736,000.

## MILITARY PERSONNEL, NAVY

For pay, allowances, individual clothing, subsistence, interest on deposits, gratuities, permanent change of station travel (including all expenses thereof for organizational movements), and expenses of temporary duty travel between permanent duty stations, for members of the Navy on active duty (except members of the Reserve provided for elsewhere), midshipmen, and aviation cadets; for members of the Reserve Officers' Training Corps; and for payments pursuant to section 156 of Public Law 97-377, as amended (42 U.S.C. 402 note), and to the Department of Defense Military Retirement Fund, \$24,037,553,000.

## MILITARY PERSONNEL, MARINE CORPS

For pay, allowances, individual clothing, subsistence, interest on deposits, gratuities, permanent change of station travel (including all expenses thereof for organizational movements), and expenses of temporary duty travel between permanent duty stations, for members of the Marine Corps on active duty (except members of the Reserve provided for elsewhere); and for payments pursuant to section 156 of Public Law 97-377, as amended (42 U.S.C. 402 note), and to the Department of Defense Military Retirement Fund, \$11,792,974,000.

## MILITARY PERSONNEL, AIR FORCE

For pay, allowances, individual clothing, subsistence, interest on deposits, gratuities, permanent change of station travel (including all expenses thereof for organizational movements), and expenses

of temporary duty travel between permanent duty stations, for members of the Air Force on active duty (except members of reserve components provided for elsewhere), cadets, and aviation cadets; for members of the Reserve Officers' Training Corps; and for payments pursuant to section 156 of Public Law 97-377, as amended (42 U.S.C. 402 note), and to the Department of Defense Military Retirement Fund, \$25,103,789,000.

#### RESERVE PERSONNEL, ARMY

For pay, allowances, clothing, subsistence, gratuities, travel, and related expenses for personnel of the Army Reserve on active duty under sections 10211, 10302, and 3038 of title 10, United States Code, or while serving on active duty under section 12301(d) of title 10, United States Code, in connection with performing duty specified in section 12310(a) of title 10, United States Code, or while undergoing reserve training, or while performing drills or equivalent duty or other duty, and expenses authorized by section 16131 of title 10, United States Code; and for payments to the Department of Defense Military Retirement Fund, \$3,904,296,000.

#### RESERVE PERSONNEL, NAVY

For pay, allowances, clothing, subsistence, gratuities, travel, and related expenses for personnel of the Navy Reserve on active duty under section 10211 of title 10, United States Code, or while serving on active duty under section 12301(d) of title 10, United States Code, in connection with performing duty specified in section 12310(a) of title 10, United States Code, or while undergoing reserve training, or while performing drills or equivalent duty, and expenses authorized by section 16131 of title 10, United States Code; and for payments to the Department of Defense Military Retirement Fund, \$1,855,968,000.

#### RESERVE PERSONNEL, MARINE CORPS

For pay, allowances, clothing, subsistence, gratuities, travel, and related expenses for personnel of the Marine Corps Reserve on active duty under section 10211 of title 10, United States Code, or while serving on active duty under section 12301(d) of title 10, United States Code, in connection with performing duty specified in section 12310(a) of title 10, United States Code, or while undergoing reserve training, or while performing drills or equivalent duty, and for members of the Marine Corps platoon leaders class, and expenses authorized by section 16131 of title 10, United States Code; and for payments to the Department of Defense Military Retirement Fund, \$584,910,000.

#### RESERVE PERSONNEL, AIR FORCE

For pay, allowances, clothing, subsistence, gratuities, travel, and related expenses for personnel of the Air Force Reserve on active duty under sections 10211, 10305, and 8038 of title 10, United States Code, or while serving on active duty under section 12301(d) of title 10, United States Code, in connection with performing duty specified in section 12310(a) of title 10, United States Code, or

while undergoing reserve training, or while performing drills or equivalent duty or other duty, and expenses authorized by section 16131 of title 10, United States Code; and for payments to the Department of Defense Military Retirement Fund, \$1,423,676,000.

#### NATIONAL GUARD PERSONNEL, ARMY

For pay, allowances, clothing, subsistence, gratuities, travel, and related expenses for personnel of the Army National Guard while on duty under section 10211, 10302, or 12402 of title 10 or section 708 of title 32, United States Code, or while serving on duty under section 12301(d) of title 10 or section 502(f) of title 32, United States Code, in connection with performing duty specified in section 12310(a) of title 10, United States Code, or while undergoing training, or while performing drills or equivalent duty or other duty, and expenses authorized by section 16131 of title 10, United States Code; and for payments to the Department of Defense Military Retirement Fund, \$6,616,220,000.

#### NATIONAL GUARD PERSONNEL, AIR FORCE

For pay, allowances, clothing, subsistence, gratuities, travel, and related expenses for personnel of the Air National Guard on duty under section 10211, 10305, or 12402 of title 10 or section 708 of title 32, United States Code, or while serving on duty under section 12301(d) of title 10 or section 502(f) of title 32, United States Code, in connection with performing duty specified in section 12310(a) of title 10, United States Code, or while undergoing training, or while performing drills or equivalent duty or other duty, and expenses authorized by section 16131 of title 10, United States Code; and for payments to the Department of Defense Military Retirement Fund, \$2,741,768,000.

## TITLE II

### OPERATION AND MAINTENANCE

#### OPERATION AND MAINTENANCE, ARMY

(INCLUDING TRANSFER OF FUNDS)

For expenses, not otherwise provided for, necessary for the operation and maintenance of the Army, as authorized by law; and not to exceed \$11,478,000 can be used for emergencies and extraordinary expenses, to be expended on the approval or authority of the Secretary of the Army, and payments may be made on his certificate of necessity for confidential military purposes, \$31,207,243,000: *Provided*, That of the funds made available under this heading, \$2,500,000 shall be available for Fort Baker, in accordance with terms and conditions as provided under the heading "Operation and Maintenance, Army", in Public Law 107-117.

#### OPERATION AND MAINTENANCE, NAVY

For expenses, not otherwise provided for, necessary for the operation and maintenance of the Navy and the Marine Corps, as authorized by law; and not to exceed \$14,657,000 can be used for



emergencies and extraordinary expenses, to be expended on the approval or authority of the Secretary of the Navy, and payments may be made on his certificate of necessity for confidential military purposes, \$34,410,773,000.

OPERATION AND MAINTENANCE, MARINE CORPS

For expenses, not otherwise provided for, necessary for the operation and maintenance of the Marine Corps, as authorized by law, \$5,519,232,000.

OPERATION AND MAINTENANCE, AIR FORCE

For expenses, not otherwise provided for, necessary for the operation and maintenance of the Air Force, as authorized by law; and not to exceed \$7,699,000 can be used for emergencies and extraordinary expenses, to be expended on the approval or authority of the Secretary of the Air Force, and payments may be made on his certificate of necessity for confidential military purposes, \$34,865,964,000.

OPERATION AND MAINTENANCE, DEFENSE-WIDE

(INCLUDING TRANSFER OF FUNDS)

For expenses, not otherwise provided for, necessary for the operation and maintenance of activities and agencies of the Department of Defense (other than the military departments), as authorized by law, \$25,939,466,000: *Provided*, That not more than \$50,000,000 may be used for the Combatant Commander Initiative Fund authorized under section 166a of title 10, United States Code: *Provided further*, That not to exceed \$36,000,000 can be used for emergencies and extraordinary expenses, to be expended on the approval or authority of the Secretary of Defense, and payments may be made on his certificate of necessity for confidential military purposes: *Provided further*, That of the funds provided under this heading, not less than \$29,900,000 shall be made available for the Procurement Technical Assistance Cooperative Agreement Program, of which not less than \$3,600,000 shall be available for centers defined in 10 U.S.C. 2411(1)(D): *Provided further*, That none of the funds appropriated or otherwise made available by this Act may be used to plan or implement the consolidation of a budget or appropriations liaison office of the Office of the Secretary of Defense, the office of the Secretary of a military department, or the service headquarters of one of the Armed Forces into a legislative affairs or legislative liaison office: *Provided further*, That, notwithstanding section 130(a) of title 10, United States Code, not less than \$46,970,000 shall be available for the Office of the Undersecretary of Defense, Comptroller and Chief Financial Officer: *Provided further*, That \$4,000,000, to remain available until expended, is available only for expenses relating to certain classified activities, and may be transferred as necessary by the Secretary to operation and maintenance appropriations or research, development, test and evaluation appropriations, to be merged with and to be available for the same time period as the appropriations to which transferred: *Provided further*, That any ceiling on the investment

item unit cost of items that may be purchased with operation and maintenance funds shall not apply to the funds described in the preceding proviso: *Provided further*, That the transfer authority provided under this heading is in addition to any other transfer authority provided elsewhere in this Act.

#### OPERATION AND MAINTENANCE, ARMY RESERVE

For expenses, not otherwise provided for, necessary for the operation and maintenance, including training, organization, and administration, of the Army Reserve; repair of facilities and equipment; hire of passenger motor vehicles; travel and transportation; care of the dead; recruiting; procurement of services, supplies, and equipment; and communications, \$2,628,896,000.

#### OPERATION AND MAINTENANCE, NAVY RESERVE

For expenses, not otherwise provided for, necessary for the operation and maintenance, including training, organization, and administration, of the Navy Reserve; repair of facilities and equipment; hire of passenger motor vehicles; travel and transportation; care of the dead; recruiting; procurement of services, supplies, and equipment; and communications, \$1,308,141,000.

#### OPERATION AND MAINTENANCE, MARINE CORPS RESERVE

For expenses, not otherwise provided for, necessary for the operation and maintenance, including training, organization, and administration, of the Marine Corps Reserve; repair of facilities and equipment; hire of passenger motor vehicles; travel and transportation; care of the dead; recruiting; procurement of services, supplies, and equipment; and communications, \$212,487,000.

#### OPERATION AND MAINTENANCE, AIR FORCE RESERVE

For expenses, not otherwise provided for, necessary for the operation and maintenance, including training, organization, and administration, of the Air Force Reserve; repair of facilities and equipment; hire of passenger motor vehicles; travel and transportation; care of the dead; recruiting; procurement of services, supplies, and equipment; and communications, \$3,018,151,000.

#### OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD

For expenses of training, organizing, and administering the Army National Guard, including medical and hospital treatment and related expenses in non-Federal hospitals; maintenance, operation, and repairs to structures and facilities; hire of passenger motor vehicles; personnel services in the National Guard Bureau; travel expenses (other than mileage), as authorized by law for Army personnel on active duty, for Army National Guard division, regimental, and battalion commanders while inspecting units in compliance with National Guard Bureau regulations when specifically authorized by the Chief, National Guard Bureau; supplying and equipping the Army National Guard as authorized by law; and expenses of repair, modification, maintenance, and issue of supplies and equipment (including aircraft), \$5,858,303,000.

## OPERATION AND MAINTENANCE, AIR NATIONAL GUARD

For expenses of training, organizing, and administering the Air National Guard, including medical and hospital treatment and related expenses in non-Federal hospitals; maintenance, operation, and repairs to structures and facilities; transportation of things, hire of passenger motor vehicles; supplying and equipping the Air National Guard, as authorized by law; expenses for repair, modification, maintenance, and issue of supplies and equipment, including those furnished from stocks under the control of agencies of the Department of Defense; travel expenses (other than mileage) on the same basis as authorized by law for Air National Guard personnel on active Federal duty, for Air National Guard commanders while inspecting units in compliance with National Guard Bureau regulations when specifically authorized by the Chief, National Guard Bureau, \$5,901,044,000.

## UNITED STATES COURT OF APPEALS FOR THE ARMED FORCES

For salaries and expenses necessary for the United States Court of Appeals for the Armed Forces, \$13,254,000, of which not to exceed \$5,000 may be used for official representation purposes.

## ENVIRONMENTAL RESTORATION, ARMY

## (INCLUDING TRANSFER OF FUNDS)

For the Department of the Army, \$457,776,000, to remain available until transferred: *Provided*, That the Secretary of the Army shall, upon determining that such funds are required for environmental restoration, reduction and recycling of hazardous waste, removal of unsafe buildings and debris of the Department of the Army, or for similar purposes, transfer the funds made available by this appropriation to other appropriations made available to the Department of the Army, to be merged with and to be available for the same purposes and for the same time period as the appropriations to which transferred: *Provided further*, That upon a determination that all or part of the funds transferred from this appropriation are not necessary for the purposes provided herein, such amounts may be transferred back to this appropriation: *Provided further*, That the transfer authority provided under this heading is in addition to any other transfer authority provided elsewhere in this Act.

## ENVIRONMENTAL RESTORATION, NAVY

## (INCLUDING TRANSFER OF FUNDS)

For the Department of the Navy, \$290,819,000, to remain available until transferred: *Provided*, That the Secretary of the Navy shall, upon determining that such funds are required for environmental restoration, reduction and recycling of hazardous waste, removal of unsafe buildings and debris of the Department of the Navy, or for similar purposes, transfer the funds made available by this appropriation to other appropriations made available to the Department of the Navy, to be merged with and to be available for the same purposes and for the same time period as the appropria-

tions to which transferred: *Provided further*, That upon a determination that all or part of the funds transferred from this appropriation are not necessary for the purposes provided herein, such amounts may be transferred back to this appropriation: *Provided further*, That the transfer authority provided under this heading is in addition to any other transfer authority provided elsewhere in this Act.

#### ENVIRONMENTAL RESTORATION, AIR FORCE

##### (INCLUDING TRANSFER OF FUNDS)

For the Department of the Air Force, \$496,277,000, to remain available until transferred: *Provided*, That the Secretary of the Air Force shall, upon determining that such funds are required for environmental restoration, reduction and recycling of hazardous waste, removal of unsafe buildings and debris of the Department of the Air Force, or for similar purposes, transfer the funds made available by this appropriation to other appropriations made available to the Department of the Air Force, to be merged with and to be available for the same purposes and for the same time period as the appropriations to which transferred: *Provided further*, That upon a determination that all or part of the funds transferred from this appropriation are not necessary for the purposes provided herein, such amounts may be transferred back to this appropriation: *Provided further*, That the transfer authority provided under this heading is in addition to any other transfer authority provided elsewhere in this Act.

#### ENVIRONMENTAL RESTORATION, DEFENSE-WIDE

##### (INCLUDING TRANSFER OF FUNDS)

For the Department of Defense, \$13,175,000, to remain available until transferred: *Provided*, That the Secretary of Defense shall, upon determining that such funds are required for environmental restoration, reduction and recycling of hazardous waste, removal of unsafe buildings and debris of the Department of Defense, or for similar purposes, transfer the funds made available by this appropriation to other appropriations made available to the Department of Defense, to be merged with and to be available for the same purposes and for the same time period as the appropriations to which transferred: *Provided further*, That upon a determination that all or part of the funds transferred from this appropriation are not necessary for the purposes provided herein, such amounts may be transferred back to this appropriation: *Provided further*, That the transfer authority provided under this heading is in addition to any other transfer authority provided elsewhere in this Act.

#### ENVIRONMENTAL RESTORATION, FORMERLY USED DEFENSE SITES

##### (INCLUDING TRANSFER OF FUNDS)

For the Department of the Army, \$291,296,000, to remain available until transferred: *Provided*, That the Secretary of the Army shall, upon determining that such funds are required for environmental restoration, reduction and recycling of hazardous waste, re-

removal of unsafe buildings and debris at sites formerly used by the Department of Defense, transfer the funds made available by this appropriation to other appropriations made available to the Department of the Army, to be merged with and to be available for the same purposes and for the same time period as the appropriations to which transferred: *Provided further*, That upon a determination that all or part of the funds transferred from this appropriation are not necessary for the purposes provided herein, such amounts may be transferred back to this appropriation: *Provided further*, That the transfer authority provided under this heading is in addition to any other transfer authority provided elsewhere in this Act.

#### OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID

For expenses relating to the Overseas Humanitarian, Disaster, and Civic Aid programs of the Department of Defense (consisting of the programs provided under sections 401, 402, 404, 407, 2557, and 2561 of title 10, United States Code), \$83,273,000, to remain available until September 30, 2010.

#### COOPERATIVE THREAT REDUCTION ACCOUNT

For assistance to the republics of the former Soviet Union, including assistance provided by contract or by grants, for facilitating the elimination and the safe and secure transportation and storage of nuclear, chemical and other weapons; for establishing programs to prevent the proliferation of weapons, weapons components, and weapon-related technology and expertise; for programs relating to the training and support of defense and military personnel for demilitarization and protection of weapons, weapons components and weapons technology and expertise, and for defense and military contacts, \$434,135,000, to remain available until September 30, 2011: *Provided*, That of the amounts provided under this heading, \$12,000,000 shall be available only to support the dismantling and disposal of nuclear submarines, submarine reactor components, and security enhancements for transport and storage of nuclear warheads in the Russian Far East.

### TITLE III

#### PROCUREMENT

##### AIRCRAFT PROCUREMENT, ARMY

For construction, procurement, production, modification, and modernization of aircraft, equipment, including ordnance, ground handling equipment, spare parts, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefor, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other ex-

penses necessary for the foregoing purposes, \$4,900,835,000, to remain available for obligation until September 30, 2011.

#### MISSILE PROCUREMENT, ARMY

For construction, procurement, production, modification, and modernization of missiles, equipment, including ordnance, ground handling equipment, spare parts, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefor, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$2,185,060,000, to remain available for obligation until September 30, 2011.

#### PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

For construction, procurement, production, and modification of weapons and tracked combat vehicles, equipment, including ordnance, spare parts, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefor, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$3,169,128,000, to remain available for obligation until September 30, 2011.

#### PROCUREMENT OF AMMUNITION, ARMY

For construction, procurement, production, and modification of ammunition, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities, authorized by section 2854 of title 10, United States Code, and the land necessary therefor, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$2,287,398,000, to remain available for obligation until September 30, 2011.

#### OTHER PROCUREMENT, ARMY

For construction, procurement, production, and modification of vehicles, including tactical, support, and non-tracked combat vehicles; the purchase of passenger motor vehicles for replacement only; and the purchase of 3 vehicles required for physical security of personnel, notwithstanding price limitations applicable to passenger

vehicles but not to exceed \$262,000 per vehicle; communications and electronic equipment; other support equipment; spare parts, ordnance, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefor, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$10,684,014,000, to remain available for obligation until September 30, 2011.

#### AIRCRAFT PROCUREMENT, NAVY

For construction, procurement, production, modification, and modernization of aircraft, equipment, including ordnance, spare parts, and accessories therefor; specialized equipment; expansion of public and private plants, including the land necessary therefor, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway, \$14,141,318,000, to remain available for obligation until September 30, 2011.

#### WEAPONS PROCUREMENT, NAVY

For construction, procurement, production, modification, and modernization of missiles, torpedoes, other weapons, and related support equipment including spare parts, and accessories therefor; expansion of public and private plants, including the land necessary therefor, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway, \$3,292,972,000, to remain available for obligation until September 30, 2011.

#### PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS

For construction, procurement, production, and modification of ammunition, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities, authorized by section 2854 of title 10, United States Code, and the land necessary therefor, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$1,085,158,000, to remain available for obligation until September 30, 2011.

## SHIPBUILDING AND CONVERSION, NAVY

For expenses necessary for the construction, acquisition, or conversion of vessels as authorized by law, including armor and armament thereof, plant equipment, appliances, and machine tools and installation thereof in public and private plants; reserve plant and Government and contractor-owned equipment layaway; procurement of critical, long leadtime components and designs for vessels to be constructed or converted in the future; and expansion of public and private plants, including land necessary therefor, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title, as follows:

Carrier Replacement Program, \$2,692,607,000;  
 Carrier Replacement Program (AP), \$1,214,188,000;  
 NSSN, \$2,107,040,000;  
 NSSN (AP), \$1,395,548,000;  
 CVN Refueling, \$593,534,000;  
 CVN Refuelings (AP), \$21,389,000;  
 SSBN Submarine Refuelings, \$221,823,000;  
 SSBN Submarine Refuelings (AP), \$39,363,000;  
 DDG-1000 Program, \$1,508,803,000;  
 DDG-51 Destroyer (AP), \$200,000,000;  
 Littoral Combat Ship, \$1,020,000,000;  
 LPD-17, \$933,216,000;  
 LHA-R (AP), \$178,300,000;  
 Intratheater Connector, \$174,782,000;  
 LCAC Service Life Extension Program, \$110,918,000;  
 Prior year shipbuilding costs, \$165,152,000;  
 Service Craft, \$48,117,000; and  
 For outfitting, post delivery, conversions, and first destination transportation, \$429,587,000.

In all: \$13,054,367,000, to remain available for obligation until September 30, 2013: *Provided*, That additional obligations may be incurred after September 30, 2013, for engineering services, tests, evaluations, and other such budgeted work that must be performed in the final stage of ship construction: *Provided further*, That none of the funds provided under this heading for the construction or conversion of any naval vessel to be constructed in shipyards in the United States shall be expended in foreign facilities for the construction of major components of such vessel: *Provided further*, That none of the funds provided under this heading shall be used for the construction of any naval vessel in foreign shipyards.

## OTHER PROCUREMENT, NAVY

For procurement, production, and modernization of support equipment and materials not otherwise provided for, Navy ordnance (except ordnance for new aircraft, new ships, and ships authorized for conversion); the purchase of passenger motor vehicles for replacement only, and the purchase of seven vehicles required for physical security of personnel, notwithstanding price limitations applicable to passenger vehicles but not to exceed \$262,000 per vehicle; expansion of public and private plants, including the land necessary therefor, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of



title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway, \$5,250,627,000, to remain available for obligation until September 30, 2011.

#### PROCUREMENT, MARINE CORPS

For expenses necessary for the procurement, manufacture, and modification of missiles, armament, military equipment, spare parts, and accessories therefor; plant equipment, appliances, and machine tools, and installation thereof in public and private plants; reserve plant and Government and contractor-owned equipment layaway; vehicles for the Marine Corps, including the purchase of passenger motor vehicles for replacement only; and expansion of public and private plants, including land necessary therefor, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title, \$1,376,917,000, to remain available for obligation until September 30, 2011.

#### AIRCRAFT PROCUREMENT, AIR FORCE

For construction, procurement, and modification of aircraft and equipment, including armor and armament, specialized ground handling equipment, and training devices, spare parts, and accessories therefor; specialized equipment; expansion of public and private plants, Government-owned equipment and installation thereof in such plants, erection of structures, and acquisition of land, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes including rents and transportation of things, \$13,112,617,000, to remain available for obligation until September 30, 2011.

#### MISSILE PROCUREMENT, AIR FORCE

For construction, procurement, and modification of missiles, spacecraft, rockets, and related equipment, including spare parts and accessories therefor, ground handling equipment, and training devices; expansion of public and private plants, Government-owned equipment and installation thereof in such plants, erection of structures, and acquisition of land, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes including rents and transportation of things, \$5,442,428,000, to remain available for obligation until September 30, 2011.

#### PROCUREMENT OF AMMUNITION, AIR FORCE

For construction, procurement, production, and modification of ammunition, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including

ammunition facilities, authorized by section 2854 of title 10, United States Code, and the land necessary therefor, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$859,466,000, to remain available for obligation until September 30, 2011.

#### OTHER PROCUREMENT, AIR FORCE

For procurement and modification of equipment (including ground guidance and electronic control equipment, and ground electronic and communication equipment), and supplies, materials, and spare parts therefor, not otherwise provided for; the purchase of passenger motor vehicles for replacement only, and the purchase of two vehicles required for physical security of personnel, notwithstanding price limitations applicable to passenger vehicles but not to exceed \$262,000 per vehicle; lease of passenger motor vehicles; and expansion of public and private plants, Government-owned equipment and installation thereof in such plants, erection of structures, and acquisition of land, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon, prior to approval of title; reserve plant and Government and contractor-owned equipment layaway, \$16,052,569,000, to remain available for obligation until September 30, 2011.

#### PROCUREMENT, DEFENSE-WIDE

For expenses of activities and agencies of the Department of Defense (other than the military departments) necessary for procurement, production, and modification of equipment, supplies, materials, and spare parts therefor, not otherwise provided for; the purchase of passenger motor vehicles for replacement only; expansion of public and private plants, equipment, and installation thereof in such plants, erection of structures, and acquisition of land for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; reserve plant and Government and contractor-owned equipment layaway, \$3,306,269,000, to remain available for obligation until September 30, 2011.

#### NATIONAL GUARD AND RESERVE EQUIPMENT

For procurement of aircraft, missiles, tracked combat vehicles, ammunition, other weapons, and other procurement for the reserve components of the Armed Forces, \$750,000,000, to remain available for obligation until September 30, 2011, of which \$480,000,000 shall be available only for the Army National Guard: *Provided*, That the Chiefs of the Reserve and National Guard components shall, not later than 30 days after the enactment of this Act, individually submit to the congressional defense committees the modernization priority assessment for their respective Reserve or National Guard component.

## DEFENSE PRODUCTION ACT PURCHASES

For activities by the Department of Defense pursuant to sections 108, 301, 302, and 303 of the Defense Production Act of 1950 (50 U.S.C. App. 2078, 2091, 2092, and 2093), \$100,565,000, to remain available until expended.

## TITLE IV

## RESEARCH, DEVELOPMENT, TEST AND EVALUATION

## RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY

For expenses necessary for basic and applied scientific research, development, test and evaluation, including maintenance, rehabilitation, lease, and operation of facilities and equipment, \$12,060,111,000, to remain available for obligation until September 30, 2010.

## RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY

For expenses necessary for basic and applied scientific research, development, test and evaluation, including maintenance, rehabilitation, lease, and operation of facilities and equipment, \$19,764,276,000, to remain available for obligation until September 30, 2010: *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.

## RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE

For expenses necessary for basic and applied scientific research, development, test and evaluation, including maintenance, rehabilitation, lease, and operation of facilities and equipment, \$27,084,340,000, to remain available for obligation until September 30, 2010.

## RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE

For expenses of activities and agencies of the Department of Defense (other than the military departments), necessary for basic and applied scientific research, development, test and evaluation; advanced research projects as may be designated and determined by the Secretary of Defense, pursuant to law; maintenance, rehabilitation, lease, and operation of facilities and equipment, \$21,423,338,000, to remain available for obligation until September 30, 2010: *Provided*, That of the amount available under this heading for the Prompt Global Strike Capability Development program, not less than one-fourth shall be available for the Army Advanced Hypersonic Weapon initiative.

## OPERATIONAL TEST AND EVALUATION, DEFENSE

For expenses, not otherwise provided for, necessary for the independent activities of the Director, Operational Test and Evaluation, in the direction and supervision of operational test and evaluation,

including initial operational test and evaluation which is conducted prior to, and in support of, production decisions; joint operational testing and evaluation; and administrative expenses in connection therewith, \$188,772,000, to remain available for obligation until September 30, 2010.

## TITLE V

### REVOLVING AND MANAGEMENT FUNDS

#### DEFENSE WORKING CAPITAL FUNDS

For the Defense Working Capital Funds, \$1,489,234,000.

#### NATIONAL DEFENSE SEALIFT FUND

For National Defense Sealift Fund programs, projects, and activities, and for expenses of the National Defense Reserve Fleet, as established by section 11 of the Merchant Ship Sales Act of 1946 (50 U.S.C. App. 1744), and for the necessary expenses to maintain and preserve a U.S.-flag merchant fleet to serve the national security needs of the United States, \$1,666,572,000, to remain available until expended: *Provided*, That none of the funds provided in this paragraph shall be used to award a new contract that provides for the acquisition of any of the following major components unless such components are manufactured in the United States: auxiliary equipment, including pumps, for all shipboard services; propulsion system components (that is; engines, reduction gears, and propellers); shipboard cranes; and spreaders for shipboard cranes: *Provided further*, That the exercise of an option in a contract awarded through the obligation of previously appropriated funds shall not be considered to be the award of a new contract: *Provided further*, That the Secretary of the military department responsible for such procurement may waive the restrictions in the first proviso on a case-by-case basis by certifying in writing to the Committees on Appropriations of the House of Representatives and the Senate that adequate domestic supplies are not available to meet Department of Defense requirements on a timely basis and that such an acquisition must be made in order to acquire capability for national security purposes.

## TITLE VI

### OTHER DEPARTMENT OF DEFENSE PROGRAMS

#### DEFENSE HEALTH PROGRAM

(INCLUDING TRANSFER OF FUNDS)

For expenses, not otherwise provided for, for medical and health care programs of the Department of Defense as authorized by law, \$25,825,832,000, of which \$1,300,000,000 shall be derived by transfer from the National Defense Stockpile Transaction Fund; of which \$24,611,369,000 shall be for operation and maintenance, of which not to exceed one percent shall remain available until September 30, 2010, and of which up to \$13,217,751,000 may be available for contracts entered into under the TRICARE program; of which

\$311,905,000, to remain available for obligation until September 30, 2011, shall be for procurement; and of which \$902,558,000, to remain available for obligation until September 30, 2010, shall be for research, development, test and evaluation: *Provided*, That, notwithstanding any other provision of law, of the amount made available under this heading for research, development, test and evaluation, not less than \$8,000,000 shall be available for HIV prevention educational activities undertaken in connection with U.S. military training, exercises, and humanitarian assistance activities conducted primarily in African nations.

#### CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE

For expenses, not otherwise provided for, necessary for the destruction of the United States stockpile of lethal chemical agents and munitions, to include construction of facilities, in accordance with the provisions of section 1412 of the Department of Defense Authorization Act, 1986 (50 U.S.C. 1521), and for the destruction of other chemical warfare materials that are not in the chemical weapon stockpile, \$1,505,634,000, of which \$1,152,668,000 shall be for operation and maintenance, of which no less than \$103,198,000, shall be for the Chemical Stockpile Emergency Preparedness Program, consisting of \$33,411,000 for activities on military installations and \$69,787,000, to remain available until September 30, 2010, to assist State and local governments; \$64,085,000 shall be for procurement, to remain available until September 30, 2011, of which no less than \$26,428,000 shall be for the Chemical Stockpile Emergency Preparedness Program to assist State and local governments; and \$288,881,000, to remain available until September 30, 2010, shall be for research, development, test and evaluation, of which \$283,219,000 shall only be for the Assembled Chemical Weapons Alternatives (ACWA) program.

#### DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE

##### (INCLUDING TRANSFER OF FUNDS)

For drug interdiction and counter-drug activities of the Department of Defense, for transfer to appropriations available to the Department of Defense for military personnel of the reserve components serving under the provisions of title 10 and title 32, United States Code; for operation and maintenance; for procurement; and for research, development, test and evaluation, \$1,096,743,000: *Provided*, That the funds appropriated under this heading shall be available for obligation for the same time period and for the same purpose as the appropriation to which transferred: *Provided further*, That upon a determination that all or part of the funds transferred from this appropriation are not necessary for the purposes provided herein, such amounts may be transferred back to this appropriation: *Provided further*, That the transfer authority provided under this heading is in addition to any other transfer authority contained elsewhere in this Act.

## OFFICE OF THE INSPECTOR GENERAL

For expenses and activities of the Office of the Inspector General in carrying out the provisions of the Inspector General Act of 1978, as amended, \$271,845,000, of which \$270,445,000 shall be for operation and maintenance, of which not to exceed \$700,000 is available for emergencies and extraordinary expenses to be expended on the approval or authority of the Inspector General, and payments may be made on the Inspector General's certificate of necessity for confidential military purposes; and of which \$1,400,000, to remain available until September 30, 2011, shall be for procurement.

## TITLE VII

## RELATED AGENCIES

CENTRAL INTELLIGENCE AGENCY RETIREMENT AND DISABILITY  
SYSTEM FUND

For payment to the Central Intelligence Agency Retirement and Disability System Fund, to maintain the proper funding level for continuing the operation of the Central Intelligence Agency Retirement and Disability System, \$279,200,000.

## INTELLIGENCE COMMUNITY MANAGEMENT ACCOUNT

(INCLUDING TRANSFER OF FUNDS)

For necessary expenses of the Intelligence Community Management Account, \$710,042,000: *Provided*, That of the funds appropriated under this heading, \$44,000,000 shall be transferred to the Department of Justice, of which \$2,000,000 shall be for reimbursement of Air Force personnel for the National Drug Intelligence Center to support the Department of Defense's counter-drug intelligence responsibilities: *Provided further*, That the National Drug Intelligence Center shall maintain the personnel and technical resources to provide timely support to law enforcement authorities and the intelligence community by conducting document and computer exploitation of materials collected in Federal, State, and local law enforcement activity associated with counter-drug, counter-terrorism, and national security investigations and operations.

## TITLE VIII

## GENERAL PROVISIONS

SEC. 8001. No part of any appropriation contained in this Act shall be used for publicity or propaganda purposes not authorized by the Congress.

SEC. 8002. During the current fiscal year, provisions of law prohibiting the payment of compensation to, or employment of, any person not a citizen of the United States shall not apply to personnel of the Department of Defense: *Provided*, That salary increases granted to direct and indirect hire foreign national employees of the Department of Defense funded by this Act shall not be at a rate in excess of the percentage increase authorized by law for civilian employees of the Department of Defense whose pay is com-

puted under the provisions of section 5332 of title 5, United States Code, or at a rate in excess of the percentage increase provided by the appropriate host nation to its own employees, whichever is higher: *Provided further*, That this section shall not apply to Department of Defense foreign service national employees serving at United States diplomatic missions whose pay is set by the Department of State under the Foreign Service Act of 1980: *Provided further*, That the limitations of this provision shall not apply to foreign national employees of the Department of Defense in the Republic of Turkey.

SEC. 8003. No part of any appropriation contained in this Act shall remain available for obligation beyond the current fiscal year, unless expressly so provided herein.

SEC. 8004. No more than 20 percent of the appropriations in this Act which are limited for obligation during the current fiscal year shall be obligated during the last 2 months of the fiscal year: *Provided*, That this section shall not apply to obligations for support of active duty training of reserve components or summer camp training of the Reserve Officers' Training Corps.

(TRANSFER OF FUNDS)

SEC. 8005. Upon determination by the Secretary of Defense that such action is necessary in the national interest, he may, with the approval of the Office of Management and Budget, transfer not to exceed \$4,100,000,000 of working capital funds of the Department of Defense or funds made available in this Act to the Department of Defense for military functions (except military construction) between such appropriations or funds or any subdivision thereof, to be merged with and to be available for the same purposes, and for the same time period, as the appropriation or fund to which transferred: *Provided*, That such authority to transfer may not be used unless for higher priority items, based on unforeseen military requirements, than those for which originally appropriated and in no case where the item for which funds are requested has been denied by the Congress: *Provided further*, That the Secretary of Defense shall notify the Congress promptly of all transfers made pursuant to this authority or any other authority in this Act: *Provided further*, That no part of the funds in this Act shall be available to prepare or present a request to the Committees on Appropriations for reprogramming of funds, unless for higher priority items, based on unforeseen military requirements, than those for which originally appropriated and in no case where the item for which reprogramming is requested has been denied by the Congress: *Provided further*, That a request for multiple reprogrammings of funds using authority provided in this section must be made prior to June 30, 2009: *Provided further*, That transfers among military personnel appropriations shall not be taken into account for purposes of the limitation on the amount of funds that may be transferred under this section: *Provided further*, That no obligation of funds may be made pursuant to section 1206 of Public Law 109-163 (or any successor provision) unless the Secretary of Defense has notified the congressional defense committees prior to any such obligation.

SEC. 8006. (a) With regard to the list of specific programs, projects, and activities (and the dollar amounts and adjustments to

budget activities corresponding to such programs, projects, and activities) contained in the tables titled "Explanation of Project Level Adjustments" in the explanatory statement described in section 4 (in the matter preceding division A of this consolidated Act), the obligation and expenditure of amounts appropriated or otherwise made available in this Act for those programs, projects, and activities for which the amounts appropriated exceed the amounts requested are hereby required by law to be carried out in the manner provided by such tables to the same extent as if the tables were included in the text of this Act.

(b) Amounts specified in the referenced tables described in subsection (a) shall not be treated as subdivisions of appropriations for purposes of section 8005 of this Act: *Provided*, That section 8005 shall apply when transfers of the amounts described in subsection (a) occur between appropriation accounts.

SEC. 8007. (a) Not later than 60 days after enactment of this Act, the Department of Defense shall submit a report to the congressional defense committees to establish the baseline for application of reprogramming and transfer authorities for fiscal year 2009: *Provided*, That the report shall include—

(1) a table for each appropriation with a separate column to display the President's budget request, adjustments made by Congress, adjustments due to enacted rescissions, if appropriate, and the fiscal year enacted level;

(2) a delineation in the table for each appropriation both by budget activity and program, project, and activity as detailed in the Budget Appendix; and

(3) an identification of items of special congressional interest.

(b) Notwithstanding section 8005 of this Act, none of the funds provided in this Act shall be available for reprogramming or transfer until the report identified in subsection (a) is submitted to the congressional defense committees, unless the Secretary of Defense certifies in writing to the congressional defense committees that such reprogramming or transfer is necessary as an emergency requirement.

SEC. 8008. The Secretaries of the Air Force and the Army are authorized, using funds available under the headings "Operation and Maintenance, Air Force" and "Operation and Maintenance, Army", to complete facility conversions and phased repair projects which may include upgrades and additions to Alaskan range infrastructure and training areas, and improved access to these ranges.

(TRANSFER OF FUNDS)

SEC. 8009. During the current fiscal year, cash balances in working capital funds of the Department of Defense established pursuant to section 2208 of title 10, United States Code, may be maintained in only such amounts as are necessary at any time for cash disbursements to be made from such funds: *Provided*, That transfers may be made between such funds: *Provided further*, That transfers may be made between working capital funds and the "Foreign Currency Fluctuations, Defense" appropriation and the "Operation and Maintenance" appropriation accounts in such amounts as may be determined by the Secretary of Defense, with the approval of the Office of Management and Budget, except that



such transfers may not be made unless the Secretary of Defense has notified the Congress of the proposed transfer. Except in amounts equal to the amounts appropriated to working capital funds in this Act, no obligations may be made against a working capital fund to procure or increase the value of war reserve material inventory, unless the Secretary of Defense has notified the Congress prior to any such obligation.

SEC. 8010. Funds appropriated by this Act may not be used to initiate a special access program without prior notification 30 calendar days in advance to the congressional defense committees.

SEC. 8011. None of the funds provided in this Act shall be available to initiate: (1) a multiyear contract that employs economic order quantity procurement in excess of \$20,000,000 in any one year of the contract or that includes an unfunded contingent liability in excess of \$20,000,000; or (2) a contract for advance procurement leading to a multiyear contract that employs economic order quantity procurement in excess of \$20,000,000 in any one year, unless the congressional defense committees have been notified at least 30 days in advance of the proposed contract award: *Provided*, That no part of any appropriation contained in this Act shall be available to initiate a multiyear contract for which the economic order quantity advance procurement is not funded at least to the limits of the Government's liability: *Provided further*, That no part of any appropriation contained in this Act shall be available to initiate multiyear procurement contracts for any systems or component thereof if the value of the multiyear contract would exceed \$500,000,000 unless specifically provided in this Act: *Provided further*, That no multiyear procurement contract can be terminated without 10-day prior notification to the congressional defense committees: *Provided further*, That the execution of multiyear authority shall require the use of a present value analysis to determine lowest cost compared to an annual procurement: *Provided further*, That none of the funds provided in this Act may be used for a multiyear contract executed after the date of the enactment of this Act unless in the case of any such contract—

(1) the Secretary of Defense has submitted to Congress a budget request for full funding of units to be procured through the contract and, in the case of a contract for procurement of aircraft, that includes, for any aircraft unit to be procured through the contract for which procurement funds are requested in that budget request for production beyond advance procurement activities in the fiscal year covered by the budget, full funding of procurement of such unit in that fiscal year;

(2) cancellation provisions in the contract do not include consideration of recurring manufacturing costs of the contractor associated with the production of unfunded units to be delivered under the contract;

(3) the contract provides that payments to the contractor under the contract shall not be made in advance of incurred costs on funded units; and

(4) the contract does not provide for a price adjustment based on a failure to award a follow-on contract.

Funds appropriated in title III of this Act may be used for a multiyear procurement contract as follows:

SSN Virginia class submarine.

SEC. 8012. Within the funds appropriated for the operation and maintenance of the Armed Forces, funds are hereby appropriated pursuant to section 401 of title 10, United States Code, for humanitarian and civic assistance costs under chapter 20 of title 10, United States Code. Such funds may also be obligated for humanitarian and civic assistance costs incidental to authorized operations and pursuant to authority granted in section 401 of chapter 20 of title 10, United States Code, and these obligations shall be reported as required by section 401(d) of title 10, United States Code: *Provided*, That funds available for operation and maintenance shall be available for providing humanitarian and similar assistance by using Civic Action Teams in the Trust Territories of the Pacific Islands and freely associated states of Micronesia, pursuant to the Compact of Free Association as authorized by Public Law 99-239: *Provided further*, That upon a determination by the Secretary of the Army that such action is beneficial for graduate medical education programs conducted at Army medical facilities located in Hawaii, the Secretary of the Army may authorize the provision of medical services at such facilities and transportation to such facilities, on a nonreimbursable basis, for civilian patients from American Samoa, the Commonwealth of the Northern Mariana Islands, the Marshall Islands, the Federated States of Micronesia, Palau, and Guam.

SEC. 8013. (a) During fiscal year 2009, the civilian personnel of the Department of Defense may not be managed on the basis of any end-strength, and the management of such personnel during that fiscal year shall not be subject to any constraint or limitation (known as an end-strength) on the number of such personnel who may be employed on the last day of such fiscal year.

(b) The fiscal year 2010 budget request for the Department of Defense as well as all justification material and other documentation supporting the fiscal year 2010 Department of Defense budget request shall be prepared and submitted to the Congress as if subsections (a) and (b) of this provision were effective with regard to fiscal year 2010.

(c) Nothing in this section shall be construed to apply to military (civilian) technicians.

SEC. 8014. None of the funds made available by this Act shall be used in any way, directly or indirectly, to influence congressional action on any legislation or appropriation matters pending before the Congress.

SEC. 8015. None of the funds appropriated by this Act shall be available for the basic pay and allowances of any member of the Army participating as a full-time student and receiving benefits paid by the Secretary of Veterans Affairs from the Department of Defense Education Benefits Fund when time spent as a full-time student is credited toward completion of a service commitment: *Provided*, That this section shall not apply to those members who have reenlisted with this option prior to October 1, 1987: *Provided further*, That this section applies only to active components of the Army.

SEC. 8016. (a) None of the funds appropriated by this Act shall be available to convert to contractor performance an activity or

function of the Department of Defense that, on or after the date of the enactment of this Act, is performed by more than 10 Department of Defense civilian employees unless—

(1) the conversion is based on the result of a public-private competition that includes a most efficient and cost effective organization plan developed by such activity or function;

(2) the Competitive Sourcing Official determines that, over all performance periods stated in the solicitation of offers for performance of the activity or function, the cost of performance of the activity or function by a contractor would be less costly to the Department of Defense by an amount that equals or exceeds the lesser of—

(A) 10 percent of the most efficient organization's personnel-related costs for performance of that activity or function by Federal employees; or

(B) \$10,000,000; and

(3) the contractor does not receive an advantage for a proposal that would reduce costs for the Department of Defense by—

(A) not making an employer-sponsored health insurance plan available to the workers who are to be employed in the performance of that activity or function under the contract; or

(B) offering to such workers an employer-sponsored health benefits plan that requires the employer to contribute less towards the premium or subscription share than the amount that is paid by the Department of Defense for health benefits for civilian employees under chapter 89 of title 5, United States Code.

(b)(1) The Department of Defense, without regard to subsection (a) of this section or subsection (a), (b), or (c) of section 2461 of title 10, United States Code, and notwithstanding any administrative regulation, requirement, or policy to the contrary shall have full authority to enter into a contract for the performance of any commercial or industrial type function of the Department of Defense that—

(A) is included on the procurement list established pursuant to section 2 of the Javits-Wagner-O'Day Act (41 U.S.C. 47);

(B) is planned to be converted to performance by a qualified nonprofit agency for the blind or by a qualified nonprofit agency for other severely handicapped individuals in accordance with that Act; or

(C) is planned to be converted to performance by a qualified firm under at least 51 percent ownership by an Indian tribe, as defined in section 4(e) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450b(e)), or a Native Hawaiian Organization, as defined in section 8(a)(15) of the Small Business Act (15 U.S.C. 637(a)(15)).

(2) This section shall not apply to depot contracts or contracts for depot maintenance as provided in sections 2469 and 2474 of title 10, United States Code.

(c) The conversion of any activity or function of the Department of Defense under the authority provided by this section shall be credited toward any competitive or outsourcing goal, target, or

measurement that may be established by statute, regulation, or policy and is deemed to be awarded under the authority of, and in compliance with, subsection (h) of section 2304 of title 10, United States Code, for the competition or outsourcing of commercial activities.

(TRANSFER OF FUNDS)

SEC. 8017. Funds appropriated in title III of this Act for the Department of Defense Pilot Mentor-Protege Program may be transferred to any other appropriation contained in this Act solely for the purpose of implementing a Mentor-Protege Program developmental assistance agreement pursuant to section 831 of the National Defense Authorization Act for Fiscal Year 1991 (Public Law 101-510; 10 U.S.C. 2302 note), as amended, under the authority of this provision or any other transfer authority contained in this Act.

SEC. 8018. None of the funds in this Act may be available for the purchase by the Department of Defense (and its departments and agencies) of welded shipboard anchor and mooring chain 4 inches in diameter and under unless the anchor and mooring chain are manufactured in the United States from components which are substantially manufactured in the United States: *Provided*, That for the purpose of this section manufactured will include cutting, heat treating, quality control, testing of chain and welding (including the forging and shot blasting process): *Provided further*, That for the purpose of this section substantially all of the components of anchor and mooring chain shall be considered to be produced or manufactured in the United States if the aggregate cost of the components produced or manufactured in the United States exceeds the aggregate cost of the components produced or manufactured outside the United States: *Provided further*, That when adequate domestic supplies are not available to meet Department of Defense requirements on a timely basis, the Secretary of the service responsible for the procurement may waive this restriction on a case-by-case basis by certifying in writing to the Committees on Appropriations that such an acquisition must be made in order to acquire capability for national security purposes.

SEC. 8019. None of the funds available to the Department of Defense may be used to demilitarize or dispose of M-1 Carbines, M-1 Garand rifles, M-14 rifles, .22 caliber rifles, .30 caliber rifles, or M-1911 pistols.

SEC. 8020. No more than \$500,000 of the funds appropriated or made available in this Act shall be used during a single fiscal year for any single relocation of an organization, unit, activity or function of the Department of Defense into or within the National Capital Region: *Provided*, That the Secretary of Defense may waive this restriction on a case-by-case basis by certifying in writing to the congressional defense committees that such a relocation is required in the best interest of the Government.

SEC. 8021. In addition to the funds provided elsewhere in this Act, \$15,000,000 is appropriated only for incentive payments authorized by section 504 of the Indian Financing Act of 1974 (25 U.S.C. 1544): *Provided*, That a prime contractor or a subcontractor at any tier that makes a subcontract award to any subcontractor or supplier as defined in section 1544 of title 25, United States

Code, or a small business owned and controlled by an individual or individuals defined under section 4221(9) of title 25, United States Code, shall be considered a contractor for the purposes of being allowed additional compensation under section 504 of the Indian Financing Act of 1974 (25 U.S.C. 1544) whenever the prime contract or subcontract amount is over \$500,000 and involves the expenditure of funds appropriated by an Act making Appropriations for the Department of Defense with respect to any fiscal year: *Provided further*, That notwithstanding section 430 of title 41, United States Code, this section shall be applicable to any Department of Defense acquisition of supplies or services, including any contract and any subcontract at any tier for acquisition of commercial items produced or manufactured, in whole or in part by any subcontractor or supplier defined in section 1544 of title 25, United States Code, or a small business owned and controlled by an individual or individuals defined under section 4221(9) of title 25, United States Code.

SEC. 8022. Funds appropriated by this Act for the Defense Media Activity shall not be used for any national or international political or psychological activities.

SEC. 8023. None of the funds appropriated by this Act shall be available to perform any cost study pursuant to the provisions of OMB Circular A-76 if the study being performed exceeds a period of 24 months after initiation of such study with respect to a single function activity or 30 months after initiation of such study for a multi-function activity.

SEC. 8024. During the current fiscal year, the Department of Defense is authorized to incur obligations of not to exceed \$350,000,000 for purposes specified in section 2350j(c) of title 10, United States Code, in anticipation of receipt of contributions, only from the Government of Kuwait, under that section: *Provided*, That upon receipt, such contributions from the Government of Kuwait shall be credited to the appropriations or fund which incurred such obligations.

SEC. 8025. (a) Of the funds made available in this Act, not less than \$34,929,000 shall be available for the Civil Air Patrol Corporation, of which—

(1) \$26,605,000 shall be available from “Operation and Maintenance, Air Force” to support Civil Air Patrol Corporation operation and maintenance, readiness, counterdrug activities, and drug demand reduction activities involving youth programs;

(2) \$7,435,000 shall be available from “Aircraft Procurement, Air Force”; and

(3) \$889,000 shall be available from “Other Procurement, Air Force” for vehicle procurement.

(b) The Secretary of the Air Force should waive reimbursement for any funds used by the Civil Air Patrol for counter-drug activities in support of Federal, State, and local government agencies.

SEC. 8026. (a) None of the funds appropriated in this Act are available to establish a new Department of Defense (department) federally funded research and development center (FFRDC), either as a new entity, or as a separate entity administrated by an organization managing another FFRDC, or as a nonprofit membership

corporation consisting of a consortium of other FFRDCs and other non-profit entities.

(b) No member of a Board of Directors, Trustees, Overseers, Advisory Group, Special Issues Panel, Visiting Committee, or any similar entity of a defense FFRDC, and no paid consultant to any defense FFRDC, except when acting in a technical advisory capacity, may be compensated for his or her services as a member of such entity, or as a paid consultant by more than one FFRDC in a fiscal year: *Provided*, That a member of any such entity referred to previously in this subsection shall be allowed travel expenses and per diem as authorized under the Federal Joint Travel Regulations, when engaged in the performance of membership duties.

(c) Notwithstanding any other provision of law, none of the funds available to the department from any source during fiscal year 2009 may be used by a defense FFRDC, through a fee or other payment mechanism, for construction of new buildings, for payment of cost sharing for projects funded by Government grants, for absorption of contract overruns, or for certain charitable contributions, not to include employee participation in community service and/or development.

(d) Notwithstanding any other provision of law, of the funds available to the department during fiscal year 2009, not more than 5,600 staff years of technical effort (staff years) may be funded for defense FFRDCs: *Provided*, That of the specific amount referred to previously in this subsection, not more than 1,100 staff years may be funded for the defense studies and analysis FFRDCs: *Provided further*, That this subsection shall not apply to staff years funded in the National Intelligence Program (NIP) and the Military Intelligence Program (MIP).

(e) The Secretary of Defense shall, with the submission of the department's fiscal year 2010 budget request, submit a report presenting the specific amounts of staff years of technical effort to be allocated for each defense FFRDC during that fiscal year and the associated budget estimates.

(f) Notwithstanding any other provision of this Act, the total amount appropriated in this Act for FFRDCs is hereby reduced by \$84,000,000.

SEC. 8027. None of the funds appropriated or made available in this Act shall be used to procure carbon, alloy or armor steel plate for use in any Government-owned facility or property under the control of the Department of Defense which were not melted and rolled in the United States or Canada: *Provided*, That these procurement restrictions shall apply to any and all Federal Supply Class 9515, American Society of Testing and Materials (ASTM) or American Iron and Steel Institute (AISI) specifications of carbon, alloy or armor steel plate: *Provided further*, That the Secretary of the military department responsible for the procurement may waive this restriction on a case-by-case basis by certifying in writing to the Committees on Appropriations of the House of Representatives and the Senate that adequate domestic supplies are not available to meet Department of Defense requirements on a timely basis and that such an acquisition must be made in order to acquire capability for national security purposes: *Provided fur-*

*ther*, That these restrictions shall not apply to contracts which are in being as of the date of the enactment of this Act.

SEC. 8028. For the purposes of this Act, the term “congressional defense committees” means the Armed Services Committee of the House of Representatives, the Armed Services Committee of the Senate, the Subcommittee on Defense of the Committee on Appropriations of the Senate, and the Subcommittee on Defense of the Committee on Appropriations of the House of Representatives.

SEC. 8029. During the current fiscal year, the Department of Defense may acquire the modification, depot maintenance and repair of aircraft, vehicles and vessels as well as the production of components and other Defense-related articles, through competition between Department of Defense depot maintenance activities and private firms: *Provided*, That the Senior Acquisition Executive of the military department or Defense Agency concerned, with power of delegation, shall certify that successful bids include comparable estimates of all direct and indirect costs for both public and private bids: *Provided further*, That Office of Management and Budget Circular A-76 shall not apply to competitions conducted under this section.

SEC. 8030. (a)(1) If the Secretary of Defense, after consultation with the United States Trade Representative, determines that a foreign country which is party to an agreement described in paragraph (2) has violated the terms of the agreement by discriminating against certain types of products produced in the United States that are covered by the agreement, the Secretary of Defense shall rescind the Secretary’s blanket waiver of the Buy American Act with respect to such types of products produced in that foreign country.

(2) An agreement referred to in paragraph (1) is any reciprocal defense procurement memorandum of understanding, between the United States and a foreign country pursuant to which the Secretary of Defense has prospectively waived the Buy American Act for certain products in that country.

(b) The Secretary of Defense shall submit to the Congress a report on the amount of Department of Defense purchases from foreign entities in fiscal year 2009. Such report shall separately indicate the dollar value of items for which the Buy American Act was waived pursuant to any agreement described in subsection (a)(2), the Trade Agreement Act of 1979 (19 U.S.C. 2501 et seq.), or any international agreement to which the United States is a party.

(c) For purposes of this section, the term “Buy American Act” means title III of the Act entitled “An Act making appropriations for the Treasury and Post Office Departments for the fiscal year ending June 30, 1934, and for other purposes”, approved March 3, 1933 (41 U.S.C. 10a et seq.).

SEC. 8031. During the current fiscal year, amounts contained in the Department of Defense Overseas Military Facility Investment Recovery Account established by section 2921(c)(1) of the National Defense Authorization Act of 1991 (Public Law 101-510; 10 U.S.C. 2687 note) shall be available until expended for the payments specified by section 2921(c)(2) of that Act.

SEC. 8032. (a) Notwithstanding any other provision of law, the Secretary of the Air Force may convey at no cost to the Air Force,

without consideration, to Indian tribes located in the States of North Dakota, South Dakota, Montana, and Minnesota relocatable military housing units located at Grand Forks Air Force Base and Minot Air Force Base that are excess to the needs of the Air Force.

(b) The Secretary of the Air Force shall convey, at no cost to the Air Force, military housing units under subsection (a) in accordance with the request for such units that are submitted to the Secretary by the Operation Walking Shield Program on behalf of Indian tribes located in the States of North Dakota, South Dakota, Montana, and Minnesota.

(c) The Operation Walking Shield Program shall resolve any conflicts among requests of Indian tribes for housing units under subsection (a) before submitting requests to the Secretary of the Air Force under subsection (b).

(d) In this section, the term "Indian tribe" means any recognized Indian tribe included on the current list published by the Secretary of the Interior under section 104 of the Federally Recognized Indian Tribe Act of 1994 (Public Law 103-454; 108 Stat. 4792; 25 U.S.C. 479a-1).

SEC. 8033. During the current fiscal year, appropriations which are available to the Department of Defense for operation and maintenance may be used to purchase items having an investment item unit cost of not more than \$250,000.

SEC. 8034. (a) During the current fiscal year, none of the appropriations or funds available to the Department of Defense Working Capital Funds shall be used for the purchase of an investment item for the purpose of acquiring a new inventory item for sale or anticipated sale during the current fiscal year or a subsequent fiscal year to customers of the Department of Defense Working Capital Funds if such an item would not have been chargeable to the Department of Defense Business Operations Fund during fiscal year 1994 and if the purchase of such an investment item would be chargeable during the current fiscal year to appropriations made to the Department of Defense for procurement.

(b) The fiscal year 2010 budget request for the Department of Defense as well as all justification material and other documentation supporting the fiscal year 2010 Department of Defense budget shall be prepared and submitted to the Congress on the basis that any equipment which was classified as an end item and funded in a procurement appropriation contained in this Act shall be budgeted for in a proposed fiscal year 2010 procurement appropriation and not in the supply management business area or any other area or category of the Department of Defense Working Capital Funds.

SEC. 8035. None of the funds appropriated by this Act for programs of the Central Intelligence Agency shall remain available for obligation beyond the current fiscal year, except for funds appropriated for the Reserve for Contingencies, which shall remain available until September 30, 2010: *Provided*, That funds appropriated, transferred, or otherwise credited to the Central Intelligence Agency Central Services Working Capital Fund during this or any prior or subsequent fiscal year shall remain available until expended: *Provided further*, That any funds appropriated or transferred to the Central Intelligence Agency for advanced research and development acquisition, for agent operations, and for covert action pro-



grams authorized by the President under section 503 of the National Security Act of 1947, as amended, shall remain available until September 30, 2010.

SEC. 8036. Notwithstanding any other provision of law, funds made available in this Act for the Defense Intelligence Agency may be used for the design, development, and deployment of General Defense Intelligence Program intelligence communications and intelligence information systems for the Services, the Unified and Specified Commands, and the component commands.

SEC. 8037. Of the funds appropriated to the Department of Defense under the heading "Operation and Maintenance, Defense-Wide", not less than \$12,000,000 shall be made available only for the mitigation of environmental impacts, including training and technical assistance to tribes, related administrative support, the gathering of information, documenting of environmental damage, and developing a system for prioritization of mitigation and cost to complete estimates for mitigation, on Indian lands resulting from Department of Defense activities.

SEC. 8038. (a) None of the funds appropriated in this Act may be expended by an entity of the Department of Defense unless the entity, in expending the funds, complies with the Buy American Act. For purposes of this subsection, the term "Buy American Act" means title III of the Act entitled "An Act making appropriations for the Treasury and Post Office Departments for the fiscal year ending June 30, 1934, and for other purposes", approved March 3, 1933 (41 U.S.C. 10a et seq.).

(b) If the Secretary of Defense determines that a person has been convicted of intentionally affixing a label bearing a "Made in America" inscription to any product sold in or shipped to the United States that is not made in America, the Secretary shall determine, in accordance with section 2410f of title 10, United States Code, whether the person should be debarred from contracting with the Department of Defense.

(c) In the case of any equipment or products purchased with appropriations provided under this Act, it is the sense of the Congress that any entity of the Department of Defense, in expending the appropriation, purchase only American-made equipment and products, provided that American-made equipment and products are cost-competitive, quality-competitive, and available in a timely fashion.

SEC. 8039. None of the funds appropriated by this Act shall be available for a contract for studies, analysis, or consulting services entered into without competition on the basis of an unsolicited proposal unless the head of the activity responsible for the procurement determines—

(1) as a result of thorough technical evaluation, only one source is found fully qualified to perform the proposed work;

(2) the purpose of the contract is to explore an unsolicited proposal which offers significant scientific or technological promise, represents the product of original thinking, and was submitted in confidence by one source; or

(3) the purpose of the contract is to take advantage of unique and significant industrial accomplishment by a specific concern, or to insure that a new product or idea of a specific con-

cern is given financial support: *Provided*, That this limitation shall not apply to contracts in an amount of less than \$25,000, contracts related to improvements of equipment that is in development or production, or contracts as to which a civilian official of the Department of Defense, who has been confirmed by the Senate, determines that the award of such contract is in the interest of the national defense.

SEC. 8040. (a) Except as provided in subsections (b) and (c), none of the funds made available by this Act may be used—

(1) to establish a field operating agency; or

(2) to pay the basic pay of a member of the Armed Forces or civilian employee of the department who is transferred or reassigned from a headquarters activity if the member or employee's place of duty remains at the location of that headquarters.

(b) The Secretary of Defense or Secretary of a military department may waive the limitations in subsection (a), on a case-by-case basis, if the Secretary determines, and certifies to the Committees on Appropriations of the House of Representatives and Senate that the granting of the waiver will reduce the personnel requirements or the financial requirements of the department.

(c) This section does not apply to—

(1) field operating agencies funded within the National Intelligence Program; or

(2) an Army field operating agency established to eliminate, mitigate, or counter the effects of improvised explosive devices, and, as determined by the Secretary of the Army, other similar threats.

SEC. 8041. The Secretary of Defense, notwithstanding any other provision of law, acting through the Office of Economic Adjustment of the Department of Defense, may use funds made available in this Act under the heading "Operation and Maintenance, Defense-Wide" to make grants and supplement other Federal funds in accordance with the guidance provided in the explanatory statement described in section 4 (in the matter preceding division A of this consolidated Act).

(RESCISSIONS)

SEC. 8042. Of the funds appropriated in Department of Defense Appropriations Acts, the following funds are hereby rescinded from the following accounts and programs in the specified amounts:

"Aircraft Procurement, Army", 2008/2010, \$174,600,000;

"Procurement of Ammunition, Army", 2008/2010, \$69,200,000;

"Shipbuilding and Conversion, Navy", 2008/2012, \$337,000,000;

"Research, Development, Test and Evaluation, Army", 2008/2009, \$49,800,000;

"Research, Development, Test and Evaluation, Air Force", 2008/2009, \$300,073,000;

"Research, Development, Test and Evaluation, Defense-Wide", 2008/2009, \$150,000,000; and

"Tanker Replacement Transfer Fund", \$239,800,000.

SEC. 8043. None of the funds available in this Act may be used to reduce the authorized positions for military (civilian) technicians of the Army National Guard, Air National Guard, Army Reserve and Air Force Reserve for the purpose of applying any administratively imposed civilian personnel ceiling, freeze, or reduction on military (civilian) technicians, unless such reductions are a direct result of a reduction in military force structure.

SEC. 8044. None of the funds appropriated or otherwise made available in this Act may be obligated or expended for assistance to the Democratic People's Republic of Korea unless specifically appropriated for that purpose.

SEC. 8045. Funds appropriated in this Act for operation and maintenance of the Military Departments, Combatant Commands and Defense Agencies shall be available for reimbursement of pay, allowances and other expenses which would otherwise be incurred against appropriations for the National Guard and Reserve when members of the National Guard and Reserve provide intelligence or counterintelligence support to Combatant Commands, Defense Agencies and Joint Intelligence Activities, including the activities and programs included within the National Intelligence Program and the Military Intelligence Program: *Provided*, That nothing in this section authorizes deviation from established Reserve and National Guard personnel and training procedures.

SEC. 8046. During the current fiscal year, none of the funds appropriated in this Act may be used to reduce the civilian medical and medical support personnel assigned to military treatment facilities below the September 30, 2003, level: *Provided*, That the Service Surgeons General may waive this section by certifying to the congressional defense committees that the beneficiary population is declining in some catchment areas and civilian strength reductions may be consistent with responsible resource stewardship and capitation-based budgeting.

SEC. 8047. (a) None of the funds available to the Department of Defense for any fiscal year for drug interdiction or counter-drug activities may be transferred to any other department or agency of the United States except as specifically provided in an appropriations law.

(b) None of the funds available to the Central Intelligence Agency for any fiscal year for drug interdiction and counter-drug activities may be transferred to any other department or agency of the United States except as specifically provided in an appropriations law.

SEC. 8048. None of the funds appropriated by this Act may be used for the procurement of ball and roller bearings other than those produced by a domestic source and of domestic origin: *Provided*, That the Secretary of the military department responsible for such procurement may waive this restriction on a case-by-case basis by certifying in writing to the Committees on Appropriations of the House of Representatives and the Senate, that adequate domestic supplies are not available to meet Department of Defense requirements on a timely basis and that such an acquisition must be made in order to acquire capability for national security purposes: *Provided further*, That this restriction shall not apply to the purchase of "commercial items", as defined by section 4(12) of the

Office of Federal Procurement Policy Act, except that the restriction shall apply to ball or roller bearings purchased as end items.

SEC. 8049. None of the funds in this Act may be used to purchase any supercomputer which is not manufactured in the United States, unless the Secretary of Defense certifies to the congressional defense committees that such an acquisition must be made in order to acquire capability for national security purposes that is not available from United States manufacturers.

SEC. 8050. None of the funds made available in this or any other Act may be used to pay the salary of any officer or employee of the Department of Defense who approves or implements the transfer of administrative responsibilities or budgetary resources of any program, project, or activity financed by this Act to the jurisdiction of another Federal agency not financed by this Act without the express authorization of Congress: *Provided*, That this limitation shall not apply to transfers of funds expressly provided for in Defense Appropriations Acts, or provisions of Acts providing supplemental appropriations for the Department of Defense.

SEC. 8051. (a) Notwithstanding any other provision of law, none of the funds available to the Department of Defense for the current fiscal year may be obligated or expended to transfer to another nation or an international organization any defense articles or services (other than intelligence services) for use in the activities described in subsection (b) unless the congressional defense committees, the Committee on International Relations of the House of Representatives, and the Committee on Foreign Relations of the Senate are notified 15 days in advance of such transfer.

(b) This section applies to—

(1) any international peacekeeping or peace-enforcement operation under the authority of chapter VI or chapter VII of the United Nations Charter under the authority of a United Nations Security Council resolution; and

(2) any other international peacekeeping, peace-enforcement, or humanitarian assistance operation.

(c) A notice under subsection (a) shall include the following—

(1) A description of the equipment, supplies, or services to be transferred.

(2) A statement of the value of the equipment, supplies, or services to be transferred.

(3) In the case of a proposed transfer of equipment or supplies—

(A) a statement of whether the inventory requirements of all elements of the Armed Forces (including the reserve components) for the type of equipment or supplies to be transferred have been met; and

(B) a statement of whether the items proposed to be transferred will have to be replaced and, if so, how the President proposes to provide funds for such replacement.

SEC. 8052. None of the funds available to the Department of Defense under this Act shall be obligated or expended to pay a contractor under a contract with the Department of Defense for costs of any amount paid by the contractor to an employee when—

(1) such costs are for a bonus or otherwise in excess of the normal salary paid by the contractor to the employee; and

(2) such bonus is part of restructuring costs associated with a business combination.

(INCLUDING TRANSFER OF FUNDS)

SEC. 8053. During the current fiscal year, no more than \$30,000,000 of appropriations made in this Act under the heading "Operation and Maintenance, Defense-Wide" may be transferred to appropriations available for the pay of military personnel, to be merged with, and to be available for the same time period as the appropriations to which transferred, to be used in support of such personnel in connection with support and services for eligible organizations and activities outside the Department of Defense pursuant to section 2012 of title 10, United States Code.

SEC. 8054. During the current fiscal year, in the case of an appropriation account of the Department of Defense for which the period of availability for obligation has expired or which has closed under the provisions of section 1552 of title 31, United States Code, and which has a negative unliquidated or unexpended balance, an obligation or an adjustment of an obligation may be charged to any current appropriation account for the same purpose as the expired or closed account if—

(1) the obligation would have been properly chargeable (except as to amount) to the expired or closed account before the end of the period of availability or closing of that account;

(2) the obligation is not otherwise properly chargeable to any current appropriation account of the Department of Defense; and

(3) in the case of an expired account, the obligation is not chargeable to a current appropriation of the Department of Defense under the provisions of section 1405(b)(8) of the National Defense Authorization Act for Fiscal Year 1991, Public Law 101-510, as amended (31 U.S.C. 1551 note): *Provided*, That in the case of an expired account, if subsequent review or investigation discloses that there was not in fact a negative unliquidated or unexpended balance in the account, any charge to a current account under the authority of this section shall be reversed and recorded against the expired account: *Provided further*, That the total amount charged to a current appropriation under this section may not exceed an amount equal to 1 percent of the total appropriation for that account.

SEC. 8055. (a) Notwithstanding any other provision of law, the Chief of the National Guard Bureau may permit the use of equipment of the National Guard Distance Learning Project by any person or entity on a space-available, reimbursable basis. The Chief of the National Guard Bureau shall establish the amount of reimbursement for such use on a case-by-case basis.

(b) Amounts collected under subsection (a) shall be credited to funds available for the National Guard Distance Learning Project and be available to defray the costs associated with the use of equipment of the project under that subsection. Such funds shall be available for such purposes without fiscal year limitation.

SEC. 8056. Using funds available by this Act or any other Act, the Secretary of the Air Force, pursuant to a determination under section 2690 of title 10, United States Code, may implement cost-

effective agreements for required heating facility modernization in the Kaiserslautern Military Community in the Federal Republic of Germany: *Provided*, That in the City of Kaiserslautern such agreements will include the use of United States anthracite as the base load energy for municipal district heat to the United States Defense installations: *Provided further*, That at Landstuhl Army Regional Medical Center and Ramstein Air Base, furnished heat may be obtained from private, regional or municipal services, if provisions are included for the consideration of United States coal as an energy source.

SEC. 8057. None of the funds appropriated in title IV of this Act may be used to procure end-items for delivery to military forces for operational training, operational use or inventory requirements: *Provided*, That this restriction does not apply to end-items used in development, prototyping, and test activities preceding and leading to acceptance for operational use: *Provided further*, That this restriction does not apply to programs funded within the National Intelligence Program: *Provided further*, That the Secretary of Defense may waive this restriction on a case-by-case basis by certifying in writing to the Committees on Appropriations of the House of Representatives and the Senate that it is in the national security interest to do so.

SEC. 8058. Notwithstanding any other provision of law, funds available to the Department of Defense in this Act, and hereafter, shall be made available to provide transportation of medical supplies and equipment, on a nonreimbursable basis, to American Samoa, and funds available to the Department of Defense shall be made available to provide transportation of medical supplies and equipment, on a nonreimbursable basis, to the Indian Health Service when it is in conjunction with a civil-military project.

SEC. 8059. None of the funds made available in this Act may be used to approve or license the sale of the F-22A advanced tactical fighter to any foreign government.

SEC. 8060. (a) The Secretary of Defense may, on a case-by-case basis, waive with respect to a foreign country each limitation on the procurement of defense items from foreign sources provided in law if the Secretary determines that the application of the limitation with respect to that country would invalidate cooperative programs entered into between the Department of Defense and the foreign country, or would invalidate reciprocal trade agreements for the procurement of defense items entered into under section 2531 of title 10, United States Code, and the country does not discriminate against the same or similar defense items produced in the United States for that country.

(b) Subsection (a) applies with respect to—

(1) contracts and subcontracts entered into on or after the date of the enactment of this Act; and

(2) options for the procurement of items that are exercised after such date under contracts that are entered into before such date if the option prices are adjusted for any reason other than the application of a waiver granted under subsection (a).

(c) Subsection (a) does not apply to a limitation regarding construction of public vessels, ball and roller bearings, food, and clothing or textile materials as defined by section 11 (chapters 50–65)

of the Harmonized Tariff Schedule and products classified under headings 4010, 4202, 4203, 6401 through 6406, 6505, 7019, 7218 through 7229, 7304.41 through 7304.49, 7306.40, 7502 through 7508, 8105, 8108, 8109, 8211, 8215, and 9404.

SEC. 8061. (a) None of the funds made available by this Act may be used to support any training program involving a unit of the security forces of a foreign country if the Secretary of Defense has received credible information from the Department of State that the unit has committed a gross violation of human rights, unless all necessary corrective steps have been taken.

(b) The Secretary of Defense, in consultation with the Secretary of State, shall ensure that prior to a decision to conduct any training program referred to in subsection (a), full consideration is given to all credible information available to the Department of State relating to human rights violations by foreign security forces.

(c) The Secretary of Defense, after consultation with the Secretary of State, may waive the prohibition in subsection (a) if he determines that such waiver is required by extraordinary circumstances.

(d) Not more than 15 days after the exercise of any waiver under subsection (c), the Secretary of Defense shall submit a report to the congressional defense committees describing the extraordinary circumstances, the purpose and duration of the training program, the United States forces and the foreign security forces involved in the training program, and the information relating to human rights violations that necessitates the waiver.

SEC. 8062. None of the funds appropriated or made available in this Act to the Department of the Navy shall be used to develop, lease or procure the T-AKE class of ships unless the main propulsion diesel engines and propulsors are manufactured in the United States by a domestically operated entity: *Provided*, That the Secretary of Defense may waive this restriction on a case-by-case basis by certifying in writing to the Committees on Appropriations of the House of Representatives and the Senate that adequate domestic supplies are not available to meet Department of Defense requirements on a timely basis and that such an acquisition must be made in order to acquire capability for national security purposes or there exists a significant cost or quality difference.

SEC. 8063. None of the funds appropriated or otherwise made available by this or other Department of Defense Appropriations Acts may be obligated or expended for the purpose of performing repairs or maintenance to military family housing units of the Department of Defense, including areas in such military family housing units that may be used for the purpose of conducting official Department of Defense business.

SEC. 8064. Notwithstanding any other provision of law, funds appropriated in this Act under the heading "Research, Development, Test and Evaluation, Defense-Wide" for any new start advanced concept technology demonstration project or joint capability demonstration project may only be obligated 30 days after a report, including a description of the project, the planned acquisition and transition strategy and its estimated annual and total cost, has been provided in writing to the congressional defense committees: *Provided*, That the Secretary of Defense may waive this restriction

on a case-by-case basis by certifying to the congressional defense committees that it is in the national interest to do so.

SEC. 8065. The Secretary of Defense shall provide a classified quarterly report beginning 30 days after enactment of this Act, to the House and Senate Appropriations Committees, Subcommittees on Defense on certain matters as directed in the classified annex accompanying this Act.

SEC. 8066. During the current fiscal year, none of the funds available to the Department of Defense may be used to provide support to another department or agency of the United States if such department or agency is more than 90 days in arrears in making payment to the Department of Defense for goods or services previously provided to such department or agency on a reimbursable basis: *Provided*, That this restriction shall not apply if the department is authorized by law to provide support to such department or agency on a nonreimbursable basis, and is providing the requested support pursuant to such authority: *Provided further*, That the Secretary of Defense may waive this restriction on a case-by-case basis by certifying in writing to the Committees on Appropriations of the House of Representatives and the Senate that it is in the national security interest to do so.

SEC. 8067. Notwithstanding section 12310(b) of title 10, United States Code, a Reserve who is a member of the National Guard serving on full-time National Guard duty under section 502(f) of title 32, United States Code, may perform duties in support of the ground-based elements of the National Ballistic Missile Defense System.

SEC. 8068. None of the funds provided in this Act may be used to transfer to any nongovernmental entity ammunition held by the Department of Defense that has a center-fire cartridge and a United States military nomenclature designation of "armor penetrator", "armor piercing (AP)", "armor piercing incendiary (API)", or "armor-piercing incendiary-tracer (API-T)", except to an entity performing demilitarization services for the Department of Defense under a contract that requires the entity to demonstrate to the satisfaction of the Department of Defense that armor piercing projectiles are either: (1) rendered incapable of reuse by the demilitarization process; or (2) used to manufacture ammunition pursuant to a contract with the Department of Defense or the manufacture of ammunition for export pursuant to a License for Permanent Export of Unclassified Military Articles issued by the Department of State.

SEC. 8069. Notwithstanding any other provision of law, the Chief of the National Guard Bureau, or his designee, may waive payment of all or part of the consideration that otherwise would be required under section 2667 of title 10, United States Code, in the case of a lease of personal property for a period not in excess of 1 year to any organization specified in section 508(d) of title 32, United States Code, or any other youth, social, or fraternal nonprofit organization as may be approved by the Chief of the National Guard Bureau, or his designee, on a case-by-case basis.

SEC. 8070. None of the funds appropriated by this Act shall be used for the support of any nonappropriated funds activity of the Department of Defense that procures malt beverages and wine with nonappropriated funds for resale (including such alcoholic



beverages sold by the drink) on a military installation located in the United States unless such malt beverages and wine are procured within that State, or in the case of the District of Columbia, within the District of Columbia, in which the military installation is located: *Provided*, That in a case in which the military installation is located in more than one State, purchases may be made in any State in which the installation is located: *Provided further*, That such local procurement requirements for malt beverages and wine shall apply to all alcoholic beverages only for military installations in States which are not contiguous with another State: *Provided further*, That alcoholic beverages other than wine and malt beverages, in contiguous States and the District of Columbia shall be procured from the most competitive source, price and other factors considered.

SEC. 8071. Funds available to the Department of Defense for the Global Positioning System during the current fiscal year may be used to fund civil requirements associated with the satellite and ground control segments of such system's modernization program.

(INCLUDING TRANSFER OF FUNDS)

SEC. 8072. Of the amounts appropriated in this Act under the heading "Operation and Maintenance, Army", \$47,700,000 shall remain available until expended: *Provided*, That notwithstanding any other provision of law, the Secretary of Defense is authorized to transfer such funds to other activities of the Federal Government: *Provided further*, That the Secretary of Defense is authorized to enter into and carry out contracts for the acquisition of real property, construction, personal services, and operations related to projects carrying out the purposes of this section: *Provided further*, That contracts entered into under the authority of this section may provide for such indemnification as the Secretary determines to be necessary: *Provided further*, That projects authorized by this section shall comply with applicable Federal, State, and local law to the maximum extent consistent with the national security, as determined by the Secretary of Defense.

SEC. 8073. Section 8106 of the Department of Defense Appropriations Act, 1997 (titles I through VIII of the matter under subsection 101(b) of Public Law 104-208; 110 Stat. 3009-111; 10 U.S.C. 113 note) shall continue in effect to apply to disbursements that are made by the Department of Defense in fiscal year 2009.

SEC. 8074. In addition to amounts provided elsewhere in this Act, \$8,000,000 is hereby appropriated to the Department of Defense, to remain available for obligation until expended: *Provided*, That notwithstanding any other provision of law, these funds shall be available only for a grant to the Fisher House Foundation, Inc., only for the construction and furnishing of additional Fisher Houses to meet the needs of military family members when confronted with the illness or hospitalization of an eligible military beneficiary.

SEC. 8075. (a) During the current fiscal year and hereafter, the Secretary of Defense, in coordination with the Secretary of Health and Human Services, may carry out a program to distribute surplus dental and medical equipment of the Department of Defense, at no cost to the Department of Defense, to Indian Health Service facilities and to federally-qualified health centers (within the mean-

ing of section 1905(1)(2)(B) of the Social Security Act (42 U.S.C. 1396d(1)(2)(B))).

(b) In carrying out this provision, the Secretary of Defense shall give the Indian Health Service a property disposal priority equal to the priority given to the Department of Defense and its twelve special screening programs in distribution of surplus dental and medical supplies and equipment.

(INCLUDING TRANSFER OF FUNDS)

SEC. 8076. Of the amounts appropriated in this Act under the heading "Research, Development, Test and Evaluation, Defense-Wide", \$177,237,000 shall be for the Israeli Cooperative Programs: *Provided*, That of this amount, \$72,895,000 shall be for the Short Range Ballistic Missile Defense (SRBMD) program, \$30,000,000 shall be available for an upper-tier component to the Israeli Missile Defense Architecture, and \$74,342,000 shall be for the Arrow Missile Defense Program, of which \$13,076,000 shall be for producing Arrow missile components in the United States and Arrow missile components in Israel to meet Israel's defense requirements, consistent with each nation's laws, regulations and procedures: *Provided further*, That funds made available under this provision for production of missiles and missile components may be transferred to appropriations available for the procurement of weapons and equipment, to be merged with and to be available for the same time period and the same purposes as the appropriation to which transferred: *Provided further*, That the transfer authority provided under this provision is in addition to any other transfer authority contained in this Act.

(INCLUDING TRANSFER OF FUNDS)

SEC. 8077. Of the amounts appropriated in this Act under the heading "Shipbuilding and Conversion, Navy", \$165,152,000 shall be available until September 30, 2009, to fund prior year shipbuilding cost increases: *Provided*, That upon enactment of this Act, the Secretary of the Navy shall transfer such funds to the following appropriations in the amounts specified: *Provided further*, That the amounts transferred shall be merged with and be available for the same purposes as the appropriations to which transferred:

To:

Under the heading "Shipbuilding and Conversion, Navy, 2001/2009":

Carrier Replacement Program, \$20,516,000;

Under the heading "Shipbuilding and Conversion, Navy, 2002/2009":

New SSN, \$21,000,000;

Under the heading "Shipbuilding and Conversion, Navy, 2003/2009":

LPD-17 Amphibious Transport Dock Program, \$33,082,000;

Under the heading "Shipbuilding and Conversion, Navy, 2004/2009":

New SSN, \$60,000,000;

Under the heading "Shipbuilding and Conversion, Navy, 2007/2011":

LHA Replacement Program, \$14,310,000; and

Under the heading “Shipbuilding and Conversion, Navy, 2008/2012”:

SSBN Submarine Refuelings, \$16,244,000.

SEC. 8078. None of the funds available to the Department of Defense may be obligated to modify command and control relationships to give Fleet Forces Command administrative and operational control of U.S. Navy forces assigned to the Pacific fleet: *Provided*, That the command and control relationships which existed on October 1, 2004, shall remain in force unless changes are specifically authorized in a subsequent Act.

SEC. 8079. Notwithstanding any other provision of law or regulation, the Secretary of Defense may exercise the provisions of section 7403(g) of title 38, United States Code, for occupations listed in section 7403(a)(2) of title 38, United States Code, as well as the following:

Pharmacists, Audiologists, Psychologists, Social Workers, Othotists/Prosthetists, Occupational Therapists, Physical Therapists, Rehabilitation Therapists, Respiratory Therapists, Speech Pathologists, Dietitian/Nutritionists, Industrial Hygienists, Psychology Technicians, Social Service Assistants, Practical Nurses, Nursing Assistants, and Dental Hygienists:

(A) The requirements of section 7403(g)(1)(A) of title 38, United States Code, shall apply.

(B) The limitations of section 7403(g)(1)(B) of title 38, United States Code, shall not apply.

SEC. 8080. Funds appropriated by this Act, or made available by the transfer of funds in this Act, for intelligence activities are deemed to be specifically authorized by the Congress for purposes of section 504 of the National Security Act of 1947 (50 U.S.C. 414) during fiscal year 2009 until the enactment of the Intelligence Authorization Act for Fiscal Year 2009.

SEC. 8081. None of the funds provided in this Act shall be available for obligation or expenditure through a reprogramming of funds that creates or initiates a new program, project, or activity unless such program, project, or activity must be undertaken immediately in the interest of national security and only after written prior notification to the congressional defense committees.

SEC. 8082. (a) In addition to the amounts provided elsewhere in this Act, \$3,000,000 is hereby appropriated to the Department of Defense for “Operation and Maintenance, Army National Guard”. Such amount shall be made available to the Secretary of the Army only to make a grant in the amount of \$3,000,000 to the entity specified in subsection (b) to facilitate access by veterans to opportunities for skilled employment in the construction industry.

(b) The entity referred to in subsection (a) is the Center for Military Recruitment, Assessment and Veterans Employment, a non-profit labor-management cooperation committee provided for by section 302(c)(9) of the Labor-Management Relations Act, 1947 (29 U.S.C. 186(c)(9)), for the purposes set forth in section 6(b) of the Labor Management Cooperation Act of 1978 (29 U.S.C. 175a note).

SEC. 8083. In addition to funds made available elsewhere in this Act, \$5,500,000 is hereby appropriated and shall remain available until expended to provide assistance, by grant or otherwise (such as, but not limited to, the provision of funds for repairs, mainte-

nance, construction, and/or for the purchase of information technology, text books, teaching resources), to public schools that have unusually high concentrations of special needs military dependents enrolled: *Provided*, That in selecting school systems to receive such assistance, special consideration shall be given to school systems in States that are considered overseas assignments, and all schools within these school systems shall be eligible for assistance: *Provided further*, That up to 2 percent of the total appropriated funds under this section shall be available to support the administration and execution of the funds or program and/or events that promote the purpose of this appropriation (e.g. payment of travel and per diem of school teachers attending conferences or a meeting that promotes the purpose of this appropriation and/or consultant fees for on-site training of teachers, staff, or Joint Venture Education Forum (JVEF) Committee members): *Provided further*, That up to \$300,000 shall be available to examine human capital, family and quality of life issues relating to military presence in Hawaii: *Provided further*, That up to \$2,000,000 shall be available for the Department of Defense to establish a nonprofit trust fund to assist in the public-private funding of public school repair and maintenance projects, or provide directly to nonprofit organizations who in return will use these monies to provide assistance in the form of repair, maintenance, or renovation to public school systems that have high concentrations of special needs military dependents and are located in States that are considered overseas assignments: *Provided further*, That to the extent a Federal agency provides this assistance, by contract, grant, or otherwise, it may accept and expend non-Federal funds in combination with these Federal funds to provide assistance for the authorized purpose, if the non-Federal entity requests such assistance and the non-Federal funds are provided on a reimbursable basis.

SEC. 8084. In addition to the amounts appropriated or otherwise made available elsewhere in this Act, \$112,400,000 is hereby appropriated to the Department of Defense: *Provided*, That the Secretary of Defense shall make grants in the amounts specified as follows: \$20,000,000 to the United Service Organizations; \$30,000,000 to the Red Cross; \$15,000,000 for the Waterbury Industrial Commons Redevelopment Project; \$4,750,000 for the SOAR Virtual School District; \$1,750,000 to The Presidio Trust; \$5,000,000 to the STEM Education Research Center; \$10,000,000 to the Intrepid Museum Foundation; \$4,000,000 to the Go For Broke National Education Center; \$9,900,000 to the U.S.S. Missouri Memorial Association; \$4,000,000 to the Nimitz Center; \$3,000,000 to Special Olympics International; and \$5,000,000 to the Paralympics Military Program.

SEC. 8085. The Department of Defense and the Department of the Army shall make future budgetary and programming plans to fully finance the Non-Line of Sight Future Force cannon (NLOS-C) and a compatible large caliber ammunition resupply capability for this system supported by the Future Combat Systems (FCS) Brigade Combat Team (BCT) in order to field this system in fiscal year 2010: *Provided*, That the Army shall develop the NLOS-C independent of the broader FCS development timeline to achieve fielding by fiscal year 2010. In addition, the Army will deliver five

pre-production NLOS-C systems by the end of calendar year 2008 and three pre-production NLOS-C systems by the end of calendar year 2009. These systems shall be in addition to those systems necessary for developmental and operational testing.

SEC. 8086. The budget of the President for fiscal year 2010 submitted to the Congress pursuant to section 1105 of title 31, United States Code, shall include separate budget justification documents for costs of United States Armed Forces' participation in contingency operations for the Military Personnel accounts, the Operation and Maintenance accounts, and the Procurement accounts: *Provided*, That these documents shall include a description of the funding requested for each contingency operation, for each military service, to include all Active and Reserve components, and for each appropriations account: *Provided further*, That these documents shall include estimated costs for each element of expense or object class, a reconciliation of increases and decreases for each contingency operation, and programmatic data including, but not limited to, troop strength for each Active and Reserve component, and estimates of the major weapons systems deployed in support of each contingency: *Provided further*, That these documents shall include budget exhibits OP-5 and OP-32 (as defined in the Department of Defense Financial Management Regulation) for all contingency operations for the budget year and the two preceding fiscal years.

SEC. 8087. None of the funds in this Act may be used for research, development, test, evaluation, procurement or deployment of nuclear armed interceptors of a missile defense system.

SEC. 8088. Up to \$2,500,000 of the funds appropriated under the heading "Operation and Maintenance, Navy" in this Act for the Pacific Missile Range Facility may be made available to contract for the repair, maintenance, and operation of adjacent off-base water, drainage, and flood control systems, electrical upgrade to support additional missions critical to base operations, and support for a range footprint expansion to further guard against encroachment.

SEC. 8089. None of the funds appropriated or made available in this Act shall be used to reduce or disestablish the operation of the 53rd Weather Reconnaissance Squadron of the Air Force Reserve, if such action would reduce the WC-130 Weather Reconnaissance mission below the levels funded in this Act: *Provided*, That the Air Force shall allow the 53rd Weather Reconnaissance Squadron to perform other missions in support of national defense requirements during the non-hurricane season.

SEC. 8090. None of the funds provided in this Act shall be available for integration of foreign intelligence information unless the information has been lawfully collected and processed during the conduct of authorized foreign intelligence activities: *Provided*, That information pertaining to United States persons shall only be handled in accordance with protections provided in the Fourth Amendment of the United States Constitution as implemented through Executive Order No. 12333.

SEC. 8091. (a) At the time members of reserve components of the Armed Forces are called or ordered to active duty under section 12302(a) of title 10, United States Code, each member shall be notified in writing of the expected period during which the member will be mobilized.

(b) The Secretary of Defense may waive the requirements of subsection (a) in any case in which the Secretary determines that it is necessary to do so to respond to a national security emergency or to meet dire operational requirements of the Armed Forces.

(INCLUDING TRANSFER OF FUNDS)

SEC. 8092. The Secretary of Defense may transfer funds from any available Department of the Navy appropriation to any available Navy ship construction appropriation for the purpose of liquidating necessary changes resulting from inflation, market fluctuations, or rate adjustments for any ship construction program appropriated in law: *Provided*, That the Secretary may transfer not to exceed \$100,000,000 under the authority provided by this section: *Provided further*, That the Secretary may not transfer any funds until 30 days after the proposed transfer has been reported to the Committees on Appropriations of the House of Representatives and the Senate, unless a response from the Committees is received sooner: *Provided further*, That the transfer authority provided by this section is in addition to any other transfer authority contained elsewhere in this Act.

SEC. 8093. For purposes of section 612 of title 41, United States Code, any subdivision of appropriations made under the heading "Shipbuilding and Conversion, Navy" that is not closed at the time reimbursement is made shall be available to reimburse the Judgment Fund and shall be considered for the same purposes as any subdivision under the heading "Shipbuilding and Conversion, Navy" appropriations in the current fiscal year or any prior fiscal year.

SEC. 8094. (a) None of the funds appropriated by this Act may be used to transfer research and development, acquisition, or other program authority relating to current tactical unmanned aerial vehicles (TUAVs) from the Army.

(b) The Army shall retain responsibility for and operational control of the MQ-1C Sky Warrior Unmanned Aerial Vehicle (UAV) in order to support the Secretary of Defense in matters relating to the employment of unmanned aerial vehicles.

(c) None of the funds appropriated by this Act may be used to institute an inter-Service common contract for acquisition of MQ-1 or MQ-1C UAVs until 30 days after the Secretary of Defense certifies to the congressional defense committees that a common contract would achieve cost savings, be interoperable with, and not create undue sustainment costs compared to the current fleet.

SEC. 8095. None of the funds appropriated by this Act, and hereafter, available for the Civilian Health and Medical Program of the Uniformed Services (CHAMPUS) or TRICARE shall be available for the reimbursement of any health care provider for inpatient mental health service for care received when a patient is referred to a provider of inpatient mental health care or residential treatment care by a medical or health care professional having an economic interest in the facility to which the patient is referred: *Provided*, That this limitation does not apply in the case of inpatient mental health services provided under the program for persons with disabilities under subsection (d) of section 1079 of title 10, United States Code, provided as partial hospital care, or provided

pursuant to a waiver authorized by the Secretary of Defense because of medical or psychological circumstances of the patient that are confirmed by a health professional who is not a Federal employee after a review, pursuant to rules prescribed by the Secretary, which takes into account the appropriate level of care for the patient, the intensity of services required by the patient, and the availability of that care.

SEC. 8096. Of the funds provided in this Act, \$10,000,000 shall be available for the operations and development of training and technology for the Joint Interagency Training and Education Center and the affiliated Center for National Response at the Memorial Tunnel and for providing homeland defense/security and traditional warfighting training to the Department of Defense, other Federal agencies, and State and local first responder personnel at the Joint Interagency Training and Education Center.

SEC. 8097. Notwithstanding any other provision of law or regulation, the Secretary of Defense may adjust wage rates for civilian employees hired for certain health care occupations as authorized for the Secretary of Veterans Affairs by section 7455 of title 38, United States Code.

SEC. 8098. The authority to conduct a continuing cooperative program in the proviso in title II of Public Law 102-368 under the heading "Research, Development, Test and Evaluation, Defense Agencies" (106 Stat. 1121) shall be extended through September 30, 2009 and hereafter, in cooperation with NELHA.

SEC. 8099. Up to \$15,000,000 of the funds appropriated under the heading, "Operation and Maintenance, Navy" may be made available for the Asia Pacific Regional Initiative Program for the purpose of enabling the Pacific Command to execute Theater Security Cooperation activities such as humanitarian assistance, and payment of incremental and personnel costs of training and exercising with foreign security forces: *Provided*, That funds made available for this purpose may be used, notwithstanding any other funding authorities for humanitarian assistance, security assistance or combined exercise expenses: *Provided further*, That funds may not be obligated to provide assistance to any foreign country that is otherwise prohibited from receiving such type of assistance under any other provision of law.

SEC. 8100. None of the funds appropriated by this Act for programs of the Office of the Director of National Intelligence shall remain available for obligation beyond the current fiscal year, except for funds appropriated for research and technology, which shall remain available until September 30, 2010.

SEC. 8101. Notwithstanding any other provision of this Act, to reflect savings from revised economic assumptions, the total amount appropriated in title II of this Act is hereby reduced by \$313,780,000, the total amount appropriated in title III of this Act is hereby reduced by \$298,000,000, and the total amount appropriated in title IV of this Act is hereby reduced by \$218,000,000: *Provided*, That the Secretary of Defense shall allocate this reduction proportionally to each budget activity, activity group, sub-activity group, and each program, project, and activity, within each appropriation account.

SEC. 8102. For purposes of section 1553(b) of title 31, United States Code, any subdivision of appropriations made in this Act under the heading "Shipbuilding and Conversion, Navy" shall be considered to be for the same purpose as any subdivision under the heading "Shipbuilding and Conversion, Navy" appropriations in any prior fiscal year, and the 1 percent limitation shall apply to the total amount of the appropriation.

SEC. 8103. Notwithstanding any other provision of law, that not more than 35 percent of funds provided in this Act for environmental remediation may be obligated under indefinite delivery/indefinite quantity contracts with a total contract value of \$130,000,000 or higher.

SEC. 8104. The Secretary of Defense shall create a major force program category for space for the Future Years Defense Program of the Department of Defense. The Secretary of Defense shall designate an official in the Office of the Secretary of Defense to provide overall supervision of the preparation and justification of program recommendations and budget proposals to be included in such major force program category.

SEC. 8105. During the current fiscal year and hereafter, none of the funds appropriated or otherwise available to the Department of Defense may be obligated or expended to provide award fees to any defense contractor contrary to the provisions of section 814 of the National Defense Authorization Act, Fiscal Year 2007 (Public Law 109-364).

SEC. 8106. None of the funds appropriated or otherwise made available by this or any other Act shall be obligated or expended by the United States Government for a purpose as follows:

- (1) To establish any military installation or base for the purpose of providing for the permanent stationing of United States Armed Forces in Iraq.
- (2) To exercise United States control over any oil resource of Iraq.

SEC. 8107. Beginning with the fiscal year 2010 budget request, the Director of National Intelligence shall include the budget exhibits identified in paragraphs (1) and (2) as described in the Department of Defense Financial Management Regulation with the congressional budget justification books.

- (1) For procurement programs requesting more than \$20,000,000 in any fiscal year, the P-1, Procurement Program; P-5, Cost Analysis; P-5a, Procurement History and Planning; P-21, Production Schedule; and P-40 Budget Item Justification.
- (2) For research, development, test and evaluation projects requesting more than \$10,000,000 in any fiscal year, the R-1, RDT&E Program; R-2, RDT&E Budget Item Justification; R-3, RDT&E Project Cost Analysis; and R-4, RDT&E Program Schedule Profile.

SEC. 8108. None of the funds made available in this Act may be used in contravention of the following laws enacted or regulations promulgated to implement the United Nations Convention Against Torture and Other Cruel, Inhuman or Degrading Treatment or Punishment (done at New York on December 10, 1984):

- (1) Section 2340A of title 18, United States Code.



(2) Section 2242 of the Foreign Affairs Reform and Restructuring Act of 1998 (division G of Public Law 105–277; 112 Stat. 2681–822; 8 U.S.C. 1231 note) and regulations prescribed thereto, including regulations under part 208 of title 8, Code of Federal Regulations, and part 95 of title 22, Code of Federal Regulations.

(3) Sections 1002 and 1003 of the Department of Defense, Emergency Supplemental Appropriations to Address Hurricanes in the Gulf of Mexico, and Pandemic Influenza Act, 2006 (Public Law 109–148).

SEC. 8109. Notwithstanding any other provision of law, none of the funds made available in this Act may be used to pay negotiated indirect cost rates on a contract, grant, or cooperative agreement (or similar arrangement) entered into by the Department of Defense and an entity in excess of 35 percent of the total cost of the contract, grant, or agreement (or similar arrangement): *Provided*, That this limitation shall apply only to contracts, grants, or cooperative agreements entered into after the date of the enactment of this Act using funds made available in this Act for basic research.

SEC. 8110. The Secretary of Defense shall maintain on the homepage of the Internet website of the Department of Defense a direct link to the Internet website of the Office of Inspector General of the Department of Defense.

SEC. 8111. (a) Not later than 60 days after enactment of this Act, the Office of the Director of National Intelligence shall submit a report to the congressional intelligence committees to establish the baseline for application of reprogramming and transfer authorities for fiscal year 2009: *Provided*, That the report shall include—

(1) a table for each appropriation with a separate column to display the President’s budget request, adjustments made by Congress, adjustments due to enacted rescissions, if appropriate, and the fiscal year enacted level;

(2) a delineation in the table for each appropriation by Expenditure Center and project; and

(3) an identification of items of special congressional interest.

(b) None of the funds provided for the National Intelligence Program in this Act shall be available for reprogramming or transfer until the report identified in subsection (a) is submitted to the congressional intelligence committees, unless the Director of National Intelligence certifies in writing to the congressional intelligence committees that such reprogramming or transfer is necessary as an emergency requirement.

SEC. 8112. The Director of National Intelligence shall submit to Congress each year, at or about the time that the President’s budget is submitted to Congress that year under section 1105(a) of title 31, United States Code, a future-years intelligence program (including associated annexes) reflecting the estimated expenditures and proposed appropriations included in that budget. Any such future-years intelligence program shall cover the fiscal year with respect to which the budget is submitted and at least the four succeeding fiscal years.

SEC. 8113. For the purposes of this Act, the term “congressional intelligence committees” means the Permanent Select Committee on Intelligence of the House of Representatives, the Select Com-

mittee on Intelligence of the Senate, the Subcommittee on Defense of the Committee on Appropriations of the House of Representatives, and the Subcommittee on Defense of the Committee on Appropriations of the Senate.

SEC. 8114. The Department of Defense shall continue to report incremental contingency operations costs for Operation Iraqi Freedom and Operation Enduring Freedom on a monthly basis in the Cost of War Execution Report as prescribed in the Department of Defense Financial Management Regulation Department of Defense Instruction 7000.14, Volume 12, Chapter 23 “Contingency Operations”, Annex 1, dated September 2005.

SEC. 8115. HORSHAM JOINT INTERAGENCY INSTALLATION.—

(a) ESTABLISHMENT OF INSTALLATION.—The Horsham Joint Interagency Installation located in Horsham Township, Montgomery County, Pennsylvania is hereby established. Pursuant to Section 3703 of the U.S. Troop Readiness, Veterans’ Care, Katrina Recovery, and Iraq Accountability Appropriations Act (121 Stat. 145), at a time determined by the Secretary of the Navy, or upon completion of the associated Defense Base Closure and Realignment Commission recommendations, the Secretary of the Navy shall, notwithstanding any other provision of law, transfer to the Secretary of the Air Force, at no cost, all designated lands, easements, Air Installation Compatible Use Zones, and facilities at NASJRB Willow Grove. The airfield at the Horsham Joint Interagency Installation shall be known as “Pitcairn-Willow Grove Field”.

(b) TRANSFER TO COMMONWEALTH OF PENNSYLVANIA.—Notwithstanding any other provision of law, the Secretary of the Air Force shall convey all of the Navy property transferred to the Air Force, as well as excess Air Force property at the Willow Grove Air Reserve Station, to the Commonwealth of Pennsylvania, at no cost, for operation of the Horsham Joint Interagency Installation so long as it is used continuously as the Horsham Joint Interagency Installation. In the event the property is no longer used for the Horsham Joint Interagency Installation, it shall revert to the Department of Defense. Installation property conveyed to the Commonwealth of Pennsylvania may not be reconveyed, but may be leased, subleased, or licensed by the Commonwealth, for any agreed upon term, for use by the United States, its agencies or instrumentalities, at terms agreeable to the United States, or to State or local government agencies, or other associated users.

(INCLUDING TRANSFER OF FUNDS)

SEC. 8116. (a) STOP-LOSS SPECIAL PAY.—In addition to the amounts appropriated or otherwise made available elsewhere in this Act, \$72,000,000 is hereby appropriated to the Secretary of Defense to carry out this section. Such amount shall be made available to the Secretaries of the military departments only to provide special pay during fiscal year 2009 to members of the Army, Navy, Air Force, and Marine Corps, including members of their reserve components who at any time during fiscal year 2009, serve on active duty while the members’ enlistment or period of obligated service is extended, or whose eligibility for retirement is suspended, pursuant to section 123 or 12305 of title 10, United States Code, or any other provision of law (commonly referred to as a “stop-loss

authority”) authorizing the President to extend an enlistment or period of obligated service, or suspend an eligibility for retirement, of a member of the uniformed services in time of war or of national emergency declared by Congress or the President.

(b) SPECIAL PAY AMOUNT.—The amount of the special pay paid under subsection (a) to or on behalf of an eligible member may not exceed \$500 per month for each month or portion of a month during fiscal year 2009 that the member is retained on active duty as a result of application of the stop-loss authority.

(c) IMPLEMENTATION PLAN.—Before obligating or expending any of the funds made available under subsection (a), the Secretary of Defense shall submit to the Committees on Appropriations of the House of Representatives and the Senate a report containing a plan for the provision of the special pay authorized by this section.

SEC. 8117. Section 3287 of title 18, United States Code, is amended—

(1) by inserting “or Congress has enacted a specific authorization for the use of the Armed Forces, as described in section 5(b) of the War Powers Resolution (50 U.S.C. 1544(b)),” after “is at war”;

(2) by inserting “or directly connected with or related to the authorized use of the Armed Forces” after “prosecution of the war”;

(3) by striking “three years” and inserting “5 years”;

(4) by striking “proclaimed by the President” and inserting “proclaimed by a Presidential proclamation, with notice to Congress,”; and

(5) by adding at the end the following: “For purposes of applying such definitions in this section, the term ‘war’ includes a specific authorization for the use of the Armed Forces, as described in section 5(b) of the War Powers Resolution (50 U.S.C. 1544(b)).”.

SEC. 8118. INCENTIVES FOR ADDITIONAL DOWNBLENDING OF HIGHLY ENRICHED URANIUM BY THE RUSSIAN FEDERATION. The USEC Privatization Act (42 U.S.C. 2297h et seq.) is amended—

(1) in section 3102, by striking “For purposes” and inserting “Except as provided in section 3112A, for purposes”; and

(2) by inserting after section 3112 the following:

**“SEC. 3112A. INCENTIVES FOR ADDITIONAL DOWNBLENDING OF HIGHLY ENRICHED URANIUM BY THE RUSSIAN FEDERATION.**

**“(a) DEFINITIONS.—**In this section:

**“(1) COMPLETION OF THE RUSSIAN HEU AGREEMENT.—**The term ‘completion of the Russian HEU Agreement’ means the importation into the United States from the Russian Federation pursuant to the Russian HEU Agreement of uranium derived from the downblending of not less than 500 metric tons of highly enriched uranium of weapons origin.

**“(2) DOWNBLENDING.—**The term ‘downblending’ means processing highly enriched uranium into a uranium product in any form in which the uranium contains less than 20 percent uranium-235.

**“(3) HIGHLY ENRICHED URANIUM.—**The term ‘highly enriched uranium’ has the meaning given that term in section 3102(4).

“(4) HIGHLY ENRICHED URANIUM OF WEAPONS ORIGIN.—The term ‘highly enriched uranium of weapons origin’ means highly enriched uranium that—

“(A) contains 90 percent or more uranium-235; and

“(B) is verified by the Secretary of Energy to be of weapons origin.

“(5) LOW-ENRICHED URANIUM.—The term ‘low-enriched uranium’ means a uranium product in any form, including uranium hexafluoride (UF<sub>6</sub>) and uranium oxide (UO<sub>2</sub>), in which the uranium contains less than 20 percent uranium-235, including natural uranium, without regard to whether the uranium is incorporated into fuel rods or complete fuel assemblies.

“(6) RUSSIAN HEU AGREEMENT.—The term ‘Russian HEU Agreement’ has the meaning given that term in section 3102(11).

“(7) URANIUM-235.—The term ‘uranium-235’ means the isotope <sup>235</sup>U.

“(b) STATEMENT OF POLICY.—It is the policy of the United States to support the continued downblending of highly enriched uranium of weapons origin in the Russian Federation in order to protect the essential security interests of the United States with respect to the nonproliferation of nuclear weapons.

“(c) PROMOTION OF DOWNBLENDING OF RUSSIAN HIGHLY ENRICHED URANIUM.—

“(1) COMPLETION OF THE RUSSIAN HEU AGREEMENT.—Prior to the completion of the Russian HEU Agreement, the importation into the United States of low-enriched uranium, including low-enriched uranium obtained under contracts for separative work units, that is produced in the Russian Federation and is not imported pursuant to the Russian HEU Agreement, may not exceed the following amounts:

“(A) In the 4-year period beginning with calendar year 2008, 16,559 kilograms.

“(B) In calendar year 2012, 24,839 kilograms.

“(C) In calendar year 2013 and each calendar year thereafter through the calendar year of the completion of the Russian HEU Agreement, 41,398 kilograms.

“(2) INCENTIVES TO CONTINUE DOWNBLENDING RUSSIAN HIGHLY ENRICHED URANIUM AFTER THE COMPLETION OF THE RUSSIAN HEU AGREEMENT.—

“(A) IN GENERAL.—After the completion of the Russian HEU Agreement, the importation into the United States of low-enriched uranium, including low-enriched uranium obtained under contracts for separative work units, that is produced in the Russian Federation, whether or not such low-enriched uranium is derived from highly enriched uranium of weapons origin, may not exceed—

“(i) in calendar year 2014, 485,279 kilograms;

“(ii) in calendar year 2015, 455,142 kilograms;

“(iii) in calendar year 2016, 480,146 kilograms;

“(iv) in calendar year 2017, 490,710 kilograms;

“(v) in calendar year 2018, 492,731 kilograms;

“(vi) in calendar year 2019, 509,058 kilograms; and

“(vii) in calendar year 2020, 514,754 kilograms.

“(B) ADDITIONAL IMPORTS IN EXCHANGE FOR A COMMITMENT TO DOWNBLEND AN ADDITIONAL 300 METRIC TONS OF HIGHLY ENRICHED URANIUM.—

“(i) IN GENERAL.—In addition to the amount authorized to be imported under subparagraph (A) and except as provided in clause (ii), if the Russian Federation enters into a bilateral agreement with the United States under which the Russian Federation agrees to downblend an additional 300 metric tons of highly enriched uranium after the completion of the Russian HEU Agreement, 4 kilograms of low-enriched uranium, whether or not such low-enriched uranium is derived from highly enriched uranium of weapons origin and including low-enriched uranium obtained under contracts for separative work units, may be imported in a calendar year for every 1 kilogram of Russian highly enriched uranium of weapons origin that was downblended in the preceding calendar year, subject to the verification of the Secretary of Energy under paragraph (10).

“(ii) MAXIMUM ANNUAL IMPORTS.—Not more than 120,000 kilograms of low-enriched uranium may be imported in a calendar year under clause (i).

“(3) EXCEPTIONS.—The import limitations described in paragraphs (1) and (2) shall not apply to low-enriched uranium produced in the Russian Federation that is imported into the United States—

“(A) for use in the initial core of a new nuclear reactor;

“(B) for processing and to be certified for reexportation and not for consumption in the United States; or

“(C) to be added to the inventory of the Department of Energy.

“(4) LIMITED WAIVER AUTHORITY.—

“(A) IN GENERAL.—Notwithstanding paragraph (1)(C), if the completion of the Russian HEU Agreement does not occur before December 31, 2013, the import limitations under paragraph (1)(C) shall be waived, and low-enriched uranium may be imported into the United States in the quantities specified in paragraph (2) in a calendar year after 2013, if—

“(i) the Secretary of Energy and the Secretary of State jointly determine that—

“(I) the failure of the completion of the Russian HEU Agreement arises from causes beyond the control and without the fault or negligence of the Government of the Russian Federation; and

“(II) the Government of the Russian Federation has made reasonable efforts to avoid and mitigate the effects of the failure of the completion of the Russian HEU Agreement; and

“(ii) the Secretary of Energy and the Secretary of State jointly notify Congress of, and publish in the Federal Register, the determination under clause (i) and the reasons for the determination.

“(B) NOTICE AND WAIT.—A waiver under subparagraph (A) may not take effect until the date that is 180 days after the date on which Secretary of Energy and the Secretary of State notify Congress under subparagraph (A)(ii).

“(C) TERMINATION.—A waiver under subparagraph (A) shall terminate on December 31 of the calendar year with respect to which the Secretary makes the determination under subparagraph (A)(i).

“(5) ADJUSTMENTS TO IMPORT LIMITATIONS.—

“(A) IN GENERAL.—The import limitations described in paragraph (2)(A) are based on the reference data in the 2005 Market Report on the Global Nuclear Fuel Market Supply and Demand 2005–2030 of the World Nuclear Association. In each of calendar years 2016 and 2019, the Secretary of Commerce shall review the projected demand for uranium for nuclear reactors in the United States and adjust the import limitations described in paragraph (2)(A) to account for changes in such demand in years after the year in which that report or a subsequent report is published.

“(B) INCENTIVE ADJUSTMENT.—Beginning in the second calendar year after the calendar year of the completion of the Russian HEU Agreement, the Secretary of Energy shall increase or decrease the amount of low-enriched uranium that may be imported in a calendar year under paragraph (2)(B) (including the amount of low-enriched uranium that may be imported for each kilogram of highly enriched uranium downblended under paragraph (2)(B)(i)) by a percentage equal to the percentage increase or decrease, as the case may be, in the average amount of uranium loaded into nuclear power reactors in the United States in the most recent 3-calendar-year period for which data are available, as reported by the Energy Information Administration of the Department of Energy, compared to the average amount of uranium loaded into such reactors during the 3-calendar-year period beginning on January 1, 2011, as reported by the Energy Information Administration.

“(C) PUBLICATION OF ADJUSTMENTS.—As soon as practicable, but not later than July 31 of each calendar year, the Secretary of Energy shall publish in the Federal Register the amount of low-enriched uranium that may be imported in the current calendar year after the adjustments under subparagraph (B).

“(6) AUTHORITY FOR ADDITIONAL ADJUSTMENT.—In addition to the adjustment under paragraph (5)(A), the Secretary of Commerce may adjust the import limitations under paragraph (2)(A) for a calendar year if the Secretary—

“(A) in consultation with the Secretary of Energy, determines that the available supply of low-enriched uranium and the available stockpiles of uranium of the Department of Energy are insufficient to meet demand in the United States in the following calendar year; and

“(B) notifies Congress of the adjustment not less than 45 days before making the adjustment.

“(7) EQUIVALENT QUANTITIES OF LOW-ENRICHED URANIUM IMPORTS.—

“(A) IN GENERAL.—The import limitations described in paragraphs (1) and (2) are expressed in terms of uranium containing 4.4 percent uranium-235 and a tails assay of 0.3 percent.

“(B) ADJUSTMENT FOR OTHER URANIUM.—Imports of low-enriched uranium under paragraphs (1) and (2), including low-enriched uranium obtained under contracts for separative work units, shall count against the import limitations described in such paragraphs in amounts calculated as the quantity of low-enriched uranium containing 4.4 percent uranium-235 necessary to equal the total amount of uranium-235 contained in such imports.

“(8) DOWNBLENDING OF OTHER HIGHLY ENRICHED URANIUM.—

“(A) IN GENERAL.—The downblending of highly enriched uranium not of weapons origin may be counted for purposes of paragraph (2)(B), subject to verification under paragraph (10), if the Secretary of Energy determines that the highly enriched uranium to be downblended poses a risk to the national security of the United States.

“(B) EQUIVALENT QUANTITIES OF HIGHLY ENRICHED URANIUM.—For purposes of determining the additional low-enriched uranium imports allowed under paragraph (2)(B), highly enriched uranium not of weapons origin downblended pursuant to subparagraph (A) shall count as downblended highly enriched uranium of weapons origin in amounts calculated as the quantity of highly enriched uranium containing 90 percent uranium-235 necessary to equal the total amount of uranium-235 contained in the highly enriched uranium not of weapons origin downblended pursuant to subparagraph (A).

“(9) TERMINATION OF IMPORT RESTRICTIONS.—The provisions of this subsection shall terminate on December 31, 2020.

“(10) TECHNICAL VERIFICATIONS BY SECRETARY OF ENERGY.—

“(A) IN GENERAL.—The Secretary of Energy shall verify the origin, quantity, and uranium-235 content of the highly enriched uranium downblended for purposes of paragraphs (2)(B) and (8).

“(B) METHODS OF VERIFICATION.—In conducting the verification required under subparagraph (A), the Secretary of Energy shall employ the transparency measures and access provisions agreed to under the Russian HEU Agreement for monitoring the downblending of Russian highly enriched uranium of weapons origin and such other methods as the Secretary determines appropriate.

“(11) ENFORCEMENT OF IMPORT LIMITATIONS.—The Secretary of Commerce shall be responsible for enforcing the import limitations imposed under this subsection and shall enforce such import limitations in a manner that imposes a minimal burden on the commercial nuclear industry.

“(12) EFFECT ON OTHER AGREEMENTS.—

“(A) RUSSIAN HEU AGREEMENT.—Nothing in this section shall be construed to modify the terms of the Russian

HEU Agreement, including the provisions of the Agreement relating to the amount of low-enriched uranium that may be imported into the United States.

“(B) OTHER AGREEMENTS.—If a provision of any agreement between the United States and the Russian Federation, other than the Russian HEU Agreement, relating to the importation of low-enriched uranium, including low-enriched uranium obtained under contracts for separative work units, into the United States conflicts with a provision of this section, the provision of this section shall supersede the provision of the agreement to the extent of the conflict.”.

SEC. 8119. The amounts appropriated in title II of this Act are hereby reduced by \$859,000,000 to reflect excess cash balances in Department of Defense Working Capital Funds, as follows:

- (1) From “Operation and Maintenance, Army”, \$823,000,000;  
and
- (2) From “Operation and Maintenance, Air Force”, \$36,000,000.

This division may be cited as the “Department of Defense Appropriations Act, 2009”.



*[CLERK'S NOTE: Reproduced below is the material relating to division C contained in the "Explanatory Statement Submitted by Mr. Obey, Chairman of the House Committee on Appropriations, Regarding the Amendment of the House of Representatives to the Senate Amendment to H.R. 2638".<sup>1</sup>*

*The amendment discussed in the Explanatory Statement was agreed to without change by both the House of Representatives and the Senate. Therefore, the "bill" referred to in the Statement is the same as the legislation that has been signed into law.*

*Section 4 of the Act provides that this Explanatory Statement "shall have the same effect with respect to the allocation of funds and implementation of this Act as if it were a joint explanatory statement of a committee of conference".]*

#### EXPLANATORY STATEMENT, DIVISION C

#### DIVISION C—DEPARTMENT OF DEFENSE APPROPRIATION ACT FISCAL YEAR 2009

Following is an explanation of the effects of division C, which makes appropriations for the Department of Defense for fiscal year 2009. As provided in section 4 of the consolidated bill, this explanatory statement shall have the same effect with respect to the allocation of funds and implementation of this division as if it were a joint explanatory statement of a committee of conference.

#### DEFINITION OF PROGRAM, PROJECT, AND ACTIVITY

For the purposes of the Balanced Budget and Emergency Deficit Control Act of 1985 (Public Law 99-177) as amended by the Balanced Budget and Emergency Deficit Control Reaffirmation Act of 1987 (Public Law 100-119) and by the Budget Enforcement Act of 1990 (Public Law 101-508), the term program, project, and activity for appropriations contained in this Act shall be defined as the most specific level of budget items identified in the Department of Defense Appropriations Act, 2009, the related classified annexes and explanatory statements, and the P-1 and R-1 budget justification documents as subsequently modified by congressional action. The following exception to the above definition shall apply: for the military personnel and the operation and maintenance accounts, for which the term "program, project, and activity" is defined as the appropriations accounts contained in the Department of Defense Appropriations Act.

At the time the President submits his budget for fiscal year 2010, the Department of Defense is directed to transmit to the congress-

<sup>1</sup>This Explanatory Statement was submitted for printing in the CONGRESSIONAL RECORD on September 24, 2008, prior to House consideration of the amendment and as directed by the House of Representatives in section 3 of H. Res. 1488. The statement appears in Book II of the September 24 CONGRESSIONAL RECORD, with the division C portion beginning on page H9434.

sional defense committees budget justification documents to be known as the “M-1” and “O-1” which shall identify, at the budget activity, activity group, and subactivity group level, the amounts requested by the President to be appropriated to the Department of Defense for military personnel and operation and maintenance in any budget request, or amended budget request, for fiscal year 2010.

#### CLASSIFIED ANNEX

Adjustments to classified programs are addressed in the accompanying classified annex.

#### CONGRESSIONAL 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” are congressional special interest items for purposes of the Base for Reprogramming (DD Form 1414). Each of these items must be carried on the DD Form 1414 at the stated amount, as specifically addressed in these materials.

#### REPROGRAMMING GUIDANCE

The Department of Defense is directed to continue to follow the reprogramming guidance for acquisition accounts as specified in the House Report (H. Rept. 110-279) accompanying the Fiscal Year 2008 Department of Defense Appropriations Act. For operation and maintenance accounts, the Department of Defense shall continue to follow the reprogramming guidelines specified in the conference report accompanying H.R. 3222, the Department of Defense Appropriations Act, 2008, which are also reiterated herein under title II. The dollar threshold for reprogramming funds shall remain at \$15,000,000 for operation and maintenance; \$20,000,000 for procurement; and \$10,000,000 for research, development, test and evaluation.

Also, the Under Secretary of Defense, Comptroller, is directed to continue to provide the congressional defense committees quarterly, spreadsheet-based DD Form 1416 reports for service and defense-wide accounts in titles I, II, III and IV of this Act. 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 operation and maintenance (O-1), a procurement (P-1) or research, development, test and evaluation (R-1) line exceed 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 these materials.

FUNDING INCREASES

The funding increases outlined in the tables for each appropriation account shall be provided only for the specific purposes indicated in the tables.

TITLE I—MILITARY PERSONNEL

For Military Personnel, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
RECAPITULATION			
MILITARY PERSONNEL, ARMY.....	36,523,817	36,382,736	-141,081
MILITARY PERSONNEL, NAVY.....	24,080,598	24,037,553	-43,045
MILITARY PERSONNEL, MARINE CORPS.....	11,809,845	11,792,974	-16,871
MILITARY PERSONNEL, AIR FORCE.....	25,271,443	25,103,789	-167,654
RESERVE PERSONNEL, ARMY.....	3,921,796	3,904,296	-17,500
RESERVE PERSONNEL, NAVY.....	1,869,968	1,855,968	-14,000
RESERVE PERSONNEL, MARINE CORPS.....	594,910	584,910	-10,000
RESERVE PERSONNEL, AIR FORCE.....	1,436,676	1,423,676	-13,000
NATIONAL GUARD PERSONNEL, ARMY.....	6,595,293	6,616,220	+20,927
NATIONAL GUARD PERSONNEL, AIR FORCE.....	2,791,994	2,741,768	-50,226
	=====	=====	=====
GRAND TOTAL, MILITARY PERSONNEL.....	114,896,340	114,443,890	-452,450

## Summary of Military Personnel End Strength

	Fiscal Year 2009		
	Budget Request	Recommendation	Change from Request
<b>Active Forces (End Strength)</b>			
Army.....	532,400	532,400	-
Navy.....	325,300	325,300	-
Marine Corps.....	194,000	194,000	-
Air Force.....	316,600	316,771	+171
<b>Total, Active Forces.....</b>	<b>1,368,300</b>	<b>1,368,471</b>	<b>+171</b>
<b>Guard and Reserve Forces (End Strength)</b>			
Army Reserve.....	205,000	205,000	-
Navy Reserve.....	66,700	66,700	-
Marine Corps Reserve.....	39,600	39,600	-
Air Force Reserve.....	67,400	67,400	-
Army National Guard.....	352,600	352,600	-
Air National Guard.....	106,700	106,756	+56
<b>Total, Selected Reserve.....</b>	<b>838,000</b>	<b>838,056</b>	<b>+56</b>
<b>Total, Military Personnel.....</b>	<b>2,206,300</b>	<b>2,206,527</b>	<b>+227</b>

## Summary of Guard and Reserve Full-Time Support

	Fiscal Year 2009		
	Budget Request	Recommendation	Change from Request
Army Reserve:			
AGR.....	16,170	16,261	+91
Technicians.....	8,990	8,990	-
Navy Reserve:			
AGR.....	11,099	11,099	-
Marine Corps Reserve:			
AGR.....	2,261	2,261	-
Air Force Reserve:			
AGR.....	2,733	2,733	-
Technicians.....	10,093	10,093	-
Army National Guard:			
AGR.....	29,950	32,060	+2,110
Technicians.....	28,810	28,810	-
Air National Guard:			
AGR.....	14,337	14,337	-
Technicians.....	22,802	22,802	-
Totals:			
AGR.....	76,550	78,751	+2,201
Technicians.....	70,695	70,695	-
Total Full-Time Support	147,245	149,446	+2,201

## STOP LOSS

The Department of Defense continues to involuntarily extend the service commitments of active duty and selected reserve servicemembers. These extensions, known as stop loss, are used to retain servicemembers an average of six months beyond their initial end-of-term-of-service date. Although the Secretary of Defense has tried to minimize the use of this practice, the Army continues to use stop loss for its active and reserve components, arguing that it allows the Service to maintain unit integrity. However, the continued use of stop loss remains a concern as it may undermine the morale of the Nation's servicemembers and the voluntary nature of the Armed Forces.

Therefore, the Secretary of Defense and the Services are directed to provide stop loss data as part of the end-strength portion of the fiscal year 2010 military personnel budget justification material and a report to the congressional defense committees that examines the impact, if any, stop loss has had on recruiting and any correlations between extended deployments, often involving stop-lossed servicemembers, and domestic assaults, sexual assaults and alcohol offenses. This report shall be submitted no later than 180 days after enactment of this Act. Furthermore, the Secretary of Defense shall submit to the congressional defense committees a report containing the results of a study evaluating the feasibility and costs of providing a special pay, in the manner authorized by section 8116, to all members of the Army, Navy, Air Force, and Marine Corps, including former and retired members, who at any time during the period beginning on October 1, 2001, and ending on September 30, 2008, served on active duty while the member's enlistment or period of obligated service was extended, or whose eligibility for retirement was suspended. This report shall be submitted no later than 60 days after enactment of this Act.

## CASH INCENTIVES

The Department has initiated many programs that rely solely on cash incentives when enlisting new recruits and retaining current personnel. While these cash incentives have enhanced recruitment and retention efforts and helped the Services meet their end-strength goals, there is concern that the Services have increased both the size and scope of these cash incentives without performance metrics to determine whether these bonuses are cost effective and necessary in light of the other, improved personnel benefits now being provided. Accordingly, the Secretary of Defense is directed to provide a report to the congressional defense committees that describes these cash incentives, specifically to include: the number of cash incentives used for recruitment and retention; the average amount provided for each military occupational specialty; the length of contract required for each type of enlistment and reenlistment bonus; and the performance metrics used to determine the effectiveness of, and requirement for, various levels of bonus compensation. This report shall be submitted not later than February 1, 2009.

## REALIGNMENT OF FUNDS

Funds were realigned within the Military Personnel, Air Force, account to support Air Force efforts to halt its personnel draw-down. The Air Force had been on course to drawdown end strength from 329,563 to 316,600 in fiscal year 2009. However, they have recently changed course to support a manning level of 326,000 airmen and grow to 330,000 in fiscal year 2010. This newly planned personnel growth, along with readjusted cost calculations, has led to savings in officer voluntary separation pay and permanent change of station expenses and has created additional costs in enlisted personnel pay and allowances. The majority of these savings have been realigned to fund the enlisted personnel increase. The remainder of the savings was not realigned as the Air Force, which is already below its planned end-strength, will likely not achieve its end-strength goal of 326,000.

## DWELL TIME

The Army and Marine Corps active duty and reserve personnel have experienced reduced dwell time due to an accelerated deployment cycle. This reduction in dwell time has placed a significant strain on servicemembers, their families, and the employers of reservists. In addition, the frequent and extended deployments of National Guard and Reserve personnel have left our Nation more vulnerable during national emergencies, such as forest fires and hurricane disaster evacuation and response. Reduced dwell time has further contributed to reduced opportunities to train for the full spectrum of combat missions. Although the Services expect to return to more normal deployment lengths at the end of fiscal year 2008, the Secretary of Defense is directed to provide a report on the unit rotation cycle (i.e., the patch report) to the congressional defense committees within 30 days of the end of each quarter.

## HEALTH PROFESSIONS SCHOLARSHIP PROGRAM

Personnel shortages in numerous medical specialties across the Services remain a concern. Recruiting and retaining these specialized personnel has proven to be challenging. The health professions scholarship program has been a successful tool in recruiting military medical personnel and, for this reason, it is disappointing that the Army and Air Force health professions scholarship programs are significantly underfunded in the budget request. To support continued efforts to recruit military medical personnel, an additional \$18,400,000 in Reserve Personnel, Army, and \$13,000,000 in Reserve Personnel, Air Force are included for the health professions scholarship program. This additional funding shall be used solely for this purpose. The Services are expected to fully fund this program in fiscal year 2010.

## RESERVE COMPONENT PARTICIPATION RATE AND MOBILIZATION ASSUMPTIONS

When constructing reserve personnel budgets, planners must project what percentage of reservists is likely to participate in annual training and weekend drills. Since operations began in Af-



ghanistan and Iraq, participation levels have varied widely based on the number of mobilized reservists who are unavailable to drill and the number of reservists using extra drill periods to perform pre-mobilization training. Some Services have incorporated these factors into their projections, while others have not. Currently, there is no Department-wide guidance on the assumptions and methodology that should be used when budgeting for future-year annual training and weekend drill participation rates. This lack of guidance has led to unjustified growth in the Pay Group A and B accounts for several reserve components. For fiscal year 2009, funding has again been shifted from these activities to other activities within the same account where shortfalls were identified.

The deployment of Active Guard and Reserve (AGR) personnel has also complicated the process of budgeting for full time personnel costs. Deployed AGRs from some reserve components are paid from reserve personnel accounts, while AGRs from other reserve components are paid from active duty accounts. It is not clear that these reserve components have accurately incorporated AGR deployment assumptions and the corresponding personnel savings into their AGR cost analysis.

The Secretary of Defense is directed to work with the Services to establish guidelines for what assumptions and methodology should be used when constructing future-year training participation rate and AGR cost projections. The Department is directed to provide a report to the congressional defense committees that details the guidance issued to the Services. This report shall be submitted not later than February 15, 2009.

#### RESERVE COMPONENT BUDGET STRUCTURE

In fiscal year 2008, Congress extended testing of a consolidated budget structure for the reserve components' military personnel accounts. Since that time, the single budget activity format has provided additional spending flexibility to the reserve components. Therefore, the consolidated budget structure shall be made permanent with the understanding that the Department will submit quarterly reports to the congressional defense committees showing all transfers between activities and sub-activities of each reserve personnel appropriation. The reports shall provide separate explanations for all transfers that equal, exceed, or cumulate to \$2,000,000; and a beginning and ending total by line item. The report shall be due 30 days following the end of each quarter.

#### GOVERNMENT ACCOUNTABILITY OFFICE UNOBLIGATED BALANCE AND END-STRENGTH REPORTS

The Government Accountability Office is requested to continue its annual analysis of military personnel unobligated balances and end-strength levels. These reports serve as an important resource for Congress' budgetary analysis. The reports should be submitted to the congressional defense committees not later than May 15th of each year.

## BOOTS-ON-THE-GROUND AND COST OF WAR REPORTING

There remains a continuing need for accurate and timely information on actual/estimated costs and deployment numbers associated with Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF). Therefore, not later than the 10th day of each month following the enactment of this Act, the Secretary of Defense is directed to submit to the congressional defense committees:

(1) a “Boots-on-the-Ground” report providing, for the most recent month for which data is available, the total number of troops deployed in support of OIF and OEF, further delineated by service and component (active, Reserve, or National Guard) and a monthly estimate for the three-month period following the date such report is submitted of the total number of troops expected to be deployed in support of OIF and OEF, further delineated by service and component (active, Reserve, or National Guard). This report may be submitted in classified form; and

(2) a monthly report of funds obligated in support of OIF and OEF covering the most recent period for which data are available, by month and fiscal year. This report shall be delineated and summarized by operation, by military service, by component (active, Reserve, or National Guard), and by appropriations account.

## MILITARY PERSONNEL, ARMY

For Military Personnel, Army, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
50 MILITARY PERSONNEL, ARMY			
100 ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
150 BASIC PAY.....	5,490,045	5,490,045	---
200 RETIRED PAY ACCRUAL.....	1,603,046	1,603,046	---
250 BASIC ALLOWANCE FOR HOUSING.....	1,633,161	1,633,161	---
300 BASIC ALLOWANCE FOR SUBSISTENCE.....	213,805	213,805	---
350 INCENTIVE PAYS.....	105,273	105,273	---
400 SPECIAL PAYS.....	315,178	302,874	-12,304
450 ALLOWANCES.....	130,409	130,409	---
500 SEPARATION PAY.....	56,471	56,471	---
550 SOCIAL SECURITY TAX.....	419,439	419,439	---
600 TOTAL, BUDGET ACTIVITY 1.....	9,966,827	9,954,523	-12,304
650 ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
700 BASIC PAY.....	12,288,160	12,288,160	---
750 RETIRED PAY ACCRUAL.....	3,588,132	3,588,132	---
800 BASIC ALLOWANCE FOR HOUSING.....	3,744,251	3,744,251	---
850 INCENTIVE PAYS.....	91,473	91,473	---
900 SPECIAL PAYS.....	975,427	914,150	-61,277
950 ALLOWANCES.....	645,897	645,897	---
1000 SEPARATION PAY.....	234,252	234,252	---
1050 SOCIAL SECURITY TAX.....	940,037	940,037	---
1100 TOTAL, BUDGET ACTIVITY 2.....	22,507,629	22,446,352	-61,277
1150 ACTIVITY 3: PAY AND ALLOW OF CADETS			
1200 ACADEMY CADETS.....	61,496	61,496	---
1250 ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
1300 BASIC ALLOWANCE FOR SUBSISTENCE.....	1,130,401	1,130,401	---
1350 SUBSISTENCE-IN-KIND.....	772,209	772,209	---
1400 FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE.....	638	638	---
1450 TOTAL, BUDGET ACTIVITY 4.....	1,903,248	1,903,248	---

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
1500 ACTIVITY 5: PERMANENT CHANGE OF STATION			
1550 ACCESSION TRAVEL.....	267,164	262,164	-5,000
1600 TRAINING TRAVEL.....	117,430	109,930	-7,500
1650 OPERATIONAL TRAVEL.....	372,731	360,231	-12,500
1700 ROTATIONAL TRAVEL.....	809,132	784,132	-25,000
1750 SEPARATION TRAVEL.....	251,729	234,229	-17,500
1800 TRAVEL OF ORGANIZED UNITS.....	28,368	28,368	---
1850 NON-TEMPORARY STORAGE.....	26,977	26,977	---
1900 TEMPORARY LODGING EXPENSE.....	57,176	57,176	---
1950 TOTAL, BUDGET ACTIVITY 5.....	1,930,707	1,863,207	-67,500
2000 ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
2050 APPREHENSION OF MILITARY DESERTERS.....	1,059	1,059	---
2100 INTEREST ON UNIFORMED SERVICES SAVINGS.....	657	657	---
2150 DEATH GRATUITIES.....	49,100	49,100	---
2200 UNEMPLOYMENT BENEFITS.....	172,666	172,666	---
2250 EDUCATION BENEFITS.....	3,108	3,108	---
2300 ADOPTION EXPENSES.....	1,598	1,598	---
2350 TRANSPORTATION SUBSIDY.....	7,428	7,428	---
2400 PARTIAL DISLOCATION ALLOWANCE.....	2,655	2,655	---
2450 RESERVE OFFICERS TRAINING CORPS (ROTC).....	123,602	123,602	---
2500 JUNIOR ROTC.....	39,857	39,857	---
2550 TOTAL, BUDGET ACTIVITY 6.....	401,730	401,730	---
2600 LESS REIMBURSABLES.....	-247,820	-247,820	---
2700 TOTAL, ACTIVE FORCES, ARMY.....	36,523,817	36,382,736	-141,081
6300 TOTAL, MILITARY PERSONNEL, ARMY.....	36,523,817	36,382,736	-141,081

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[in thousands of dollars]

	Budget Request	Recommendation
<b>BA-1: PAY AND ALLOWANCES OF OFFICERS</b>		
<b>SPECIAL PAYS</b>	<b>315,178</b>	<b>302,874</b>
Hardship Duty Pay - Defer Consideration to GWOT Supplemental		-7,560
Hostile Fire Pay - Defer Consideration to GWOT Supplemental		-4,744
<b>BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL</b>		
<b>SPECIAL PAYS</b>	<b>975,427</b>	<b>914,150</b>
Hardship Duty Pay - Defer Consideration to GWOT Supplemental		-45,000
Hostile Fire Pay - Defer Consideration to GWOT Supplemental		-16,277
<b>BA-5: PERMANENT CHANGE OF STATION</b>		
<b>ACCESSION TRAVEL</b>	<b>267,164</b>	<b>262,164</b>
Excessive Growth		-5,000
<b>TRAINING TRAVEL</b>	<b>117,430</b>	<b>109,930</b>
Excessive Growth		-7,500
<b>OPERATIONAL TRAVEL</b>	<b>372,731</b>	<b>360,231</b>
Excessive Growth		-12,500
<b>ROTATIONAL TRAVEL</b>	<b>809,132</b>	<b>784,132</b>
Excessive Growth		-25,000
<b>SEPARATION TRAVEL</b>	<b>251,729</b>	<b>234,229</b>
Excessive Growth		-17,500

MILITARY PERSONNEL, NAVY

For Military Personnel, Navy, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
6400 MILITARY PERSONNEL, NAVY			
6450 ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
6500 BASIC PAY.....	3,430,563	3,430,563	---
6550 RETIRED PAY ACCRUAL.....	1,000,408	1,000,408	---
6600 BASIC ALLOWANCE FOR HOUSING.....	1,161,179	1,161,179	---
6650 BASIC ALLOWANCE FOR SUBSISTENCE.....	126,874	126,874	---
6700 INCENTIVE PAYS.....	166,850	166,850	---
6750 SPECIAL PAYS.....	368,156	364,511	-3,645
6800 ALLOWANCES.....	109,483	109,483	---
6850 SEPARATION PAY.....	33,631	33,631	---
6900 SOCIAL SECURITY TAX.....	260,985	260,985	---
6950 TOTAL, BUDGET ACTIVITY 1.....	6,658,129	6,654,484	-3,645
-----			
7000 ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
7050 BASIC PAY.....	7,786,068	7,786,068	---
7100 RETIRED PAY ACCRUAL.....	2,272,782	2,272,782	---
7150 BASIC ALLOWANCE FOR HOUSING.....	3,452,761	3,452,761	---
7200 INCENTIVE PAYS.....	106,960	106,960	---
7250 SPECIAL PAYS.....	943,079	915,679	-27,400
7300 ALLOWANCES.....	562,579	562,579	---
7350 SEPARATION PAY.....	128,466	128,466	---
7400 SOCIAL SECURITY TAX.....	595,634	595,634	---
7450 TOTAL, BUDGET ACTIVITY 2.....	15,848,329	15,820,929	-27,400
-----			
7500 ACTIVITY 3: PAY AND ALLOWANCES OF MIDSHIPMEN			
7550 MIDSHIPMEN.....	62,565	62,565	---
7600 ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
7650 BASIC ALLOWANCE FOR SUBSISTENCE.....	590,769	590,769	---
7700 SUBSISTENCE-IN-KIND.....	354,028	354,028	---
7750 FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE.....	11	11	---
7800 TOTAL, BUDGET ACTIVITY 4.....	944,808	944,808	---
-----			

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
7850 ACTIVITY 5: PERMANENT CHANGE OF STATION			
7900 ACCESSION TRAVEL.....	82,223	82,223	---
7950 TRAINING TRAVEL.....	71,890	71,890	---
8000 OPERATIONAL TRAVEL.....	205,866	205,866	---
8050 ROTATIONAL TRAVEL.....	281,934	281,934	---
8100 SEPARATION TRAVEL.....	111,890	111,890	---
8150 TRAVEL OF ORGANIZED UNITS.....	20,345	20,345	---
8200 NON-TEMPORARY STORAGE.....	7,058	7,058	---
8250 TEMPORARY LODGING EXPENSE.....	6,956	6,956	---
8300 OTHER.....	6,272	6,272	---
8350 TOTAL, BUDGET ACTIVITY 5.....	794,434	794,434	---
8400 ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
8450 APPREHENSION OF MILITARY DESERTERS.....	477	477	---
8500 INTEREST ON UNIFORMED SERVICES SAVINGS.....	1,190	1,190	---
8550 DEATH GRATUITIES.....	25,400	25,400	---
8600 UNEMPLOYMENT BENEFITS.....	60,034	60,034	---
8650 EDUCATION BENEFITS.....	7,156	7,156	---
8700 ADOPTION EXPENSES.....	300	300	---
8750 TRANSPORTATION SUBSIDY.....	5,963	5,963	---
8800 PARTIAL DISLOCATION ALLOWANCE.....	548	548	---
8900 RESERVE OFFICERS TRAINING CORPS (ROTC).....	20,246	20,246	---
8950 JUNIOR R.O.T.C.....	13,493	13,493	---
9000 TOTAL, BUDGET ACTIVITY 6.....	134,807	134,807	---
9050 LESS REIMBURSABLES.....	-362,474	-362,474	---
9100 UNDISTRIBUTED ADJUSTMENT.....	---	-12,000	-12,000
9200 TOTAL, ACTIVE FORCES, NAVY.....	24,080,598	24,037,553	-43,045
11000 TOTAL, MILITARY PERSONNEL, NAVY.....	24,080,598	24,037,553	-43,045



**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [in thousands of dollars]

	<b>Budget Request</b>	<b>Recommendation</b>
<b>BA-1: PAY AND ALLOWANCES OF OFFICERS</b>		
<b>SPECIAL PAYS</b>	<b>368,156</b>	<b>364,511</b>
Hardship Duty Pay - Defer Consideration to GWOT		
Supplemental		-1,463
Imminent Danger Pay - Defer Consideration to GWOT		
Supplemental		-2,182
<b>BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL</b>		
<b>SPECIAL PAYS</b>	<b>943,079</b>	<b>915,679</b>
Hardship Duty Pay - Defer Consideration to GWOT		
Supplemental		-7,400
Reenlistment Bonus- Excess to Requirement		-20,000
<b>UNDISTRIBUTED ADJUSTMENT</b>		<b>-12,000</b>
Unobligated/Unexpended Balances		-12,000

MILITARY PERSONNEL, MARINE CORPS

For Military Personnel, Marine Corps, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
12000 MILITARY PERSONNEL, MARINE CORPS			
12050 ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
12100 BASIC PAY.....	1,280,845	1,280,845	---
12150 RETIRED PAY ACCRUAL.....	373,135	373,135	---
12200 BASIC ALLOWANCE FOR HOUSING.....	403,572	403,572	---
12250 BASIC ALLOWANCE FOR SUBSISTENCE.....	50,575	50,575	---
12300 INCENTIVE PAYS.....	49,675	49,675	---
12350 SPECIAL PAYS.....	15,992	15,723	-269
12400 ALLOWANCES.....	32,033	32,033	---
12450 SEPARATION PAY.....	14,186	14,186	---
12500 SOCIAL SECURITY TAX.....	97,985	97,985	---
12550 TOTAL, BUDGET ACTIVITY 1.....	2,317,998	2,317,729	-269
12600 ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
12650 BASIC PAY.....	4,415,953	4,415,953	---
12700 RETIRED PAY ACCRUAL.....	1,289,091	1,289,091	---
12750 BASIC ALLOWANCE FOR HOUSING.....	1,338,567	1,338,567	---
12800 INCENTIVE PAYS.....	8,681	8,681	---
12850 SPECIAL PAYS.....	558,693	556,091	-2,602
12900 ALLOWANCES.....	259,465	259,465	---
12950 SEPARATION PAY.....	79,279	79,279	---
13000 SOCIAL SECURITY TAX.....	337,821	337,821	---
13050 TOTAL, BUDGET ACTIVITY 2.....	8,287,550	8,284,948	-2,602
13100 ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
13150 BASIC ALLOWANCE FOR SUBSISTENCE.....	416,397	416,397	---
13200 SUBSISTENCE-IN-KIND.....	260,847	260,847	---
13250 FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE.....	750	750	---
13300 TOTAL, BUDGET ACTIVITY 4.....	677,994	677,994	---

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
13350 ACTIVITY 5: PERMANENT CHANGE OF STATION			
13400 ACCESSION TRAVEL.....	68,387	68,387	---
13450 TRAINING TRAVEL.....	13,128	13,128	---
13500 OPERATIONAL TRAVEL.....	134,180	134,180	---
13550 ROTATIONAL TRAVEL.....	162,944	162,944	---
13600 SEPARATION TRAVEL.....	66,924	66,924	---
13650 TRAVEL OF ORGANIZED UNITS.....	2,139	2,139	---
13700 NON-TEMPORARY STORAGE.....	6,801	6,801	---
13750 TEMPORARY LODGING EXPENSE.....	16,201	16,201	---
13800 OTHER.....	3,248	3,248	---
13850 TOTAL, BUDGET ACTIVITY 5.....	473,952	473,952	---
13900 ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
13950 APPREHENSION OF MILITARY DESERTERS.....	1,747	1,747	---
14000 INTEREST ON UNIFORMED SERVICES SAVINGS.....	18	18	---
14050 DEATH GRATUITIES.....	16,800	16,800	---
14100 UNEMPLOYMENT BENEFITS.....	54,176	54,176	---
14150 EDUCATION BENEFITS.....	135	135	---
14200 ADOPTION EXPENSES.....	380	380	---
14250 TRANSPORTATION SUBSIDY.....	2,049	2,049	---
14300 PARTIAL DISLOCATION ALLOWANCE.....	714	714	---
14400 JUNIOR R.O.T.C.....	4,250	4,250	---
14450 TOTAL, BUDGET ACTIVITY 6.....	80,269	80,269	---
14500 LESS REIMBURSABLES.....	-27,918	-27,918	---
14600 UNDISTRIBUTED ADJUSTMENT.....	---	-14,000	-14,000
14650 TOTAL, ACTIVE FORCES, MARINE CORPS.....	11,809,845	11,792,974	-16,871
16000 TOTAL, MILITARY PERSONNEL, MARINE CORPS.....	11,809,845	11,792,974	-16,871

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

	Budget Request	Recommendation
<b>BA-1: PAY AND ALLOWANCES OF OFFICERS</b>		
<b>SPECIAL PAYS</b>	<b>15,992</b>	<b>15,723</b>
Hardship Duty Pay - Defer Consideration to GWOT		
Supplemental		-269
<b>BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL</b>		
<b>SPECIAL PAYS</b>	<b>558,693</b>	<b>558,091</b>
Hardship Duty Pay - Defer Consideration to GWOT		
Supplemental		-2,602
<b>UNDISTRIBUTED ADJUSTMENT</b>		<b>-14,000</b>
Unobligated/Unexpended Balances		-14,000

MILITARY PERSONNEL, AIR FORCE

For Military Personnel, Air Force, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
17000 MILITARY PERSONNEL, AIR FORCE			
17050 ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
17100 BASIC PAY.....	4,418,967	4,418,967	---
17150 RETIRED PAY ACCRUAL.....	1,290,338	1,290,338	---
17200 BASIC ALLOWANCE FOR HOUSING.....	1,160,384	1,160,384	---
17250 BASIC ALLOWANCE FOR SUBSISTENCE.....	162,425	162,425	---
17300 INCENTIVE PAYS.....	269,520	269,520	---
17350 SPECIAL PAYS.....	280,852	272,641	-8,211
17400 ALLOWANCES.....	110,344	110,344	---
17450 SEPARATION PAY.....	391,502	225,947	-165,555
17500 SOCIAL SECURITY TAX.....	336,335	336,335	---
17550 TOTAL, BUDGET ACTIVITY 1.....	8,420,667	8,246,901	-173,766
17600 ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
17650 BASIC PAY.....	7,914,059	8,085,467	+171,408
17700 RETIRED PAY ACCRUAL.....	2,310,905	2,310,905	---
17750 BASIC ALLOWANCE FOR HOUSING.....	2,550,817	2,550,817	---
17800 INCENTIVE PAYS.....	35,116	35,116	---
17850 SPECIAL PAYS.....	293,186	253,743	-39,443
17900 ALLOWANCES.....	529,092	529,092	---
17950 SEPARATION PAY.....	145,507	145,507	---
18000 SOCIAL SECURITY TAX.....	605,426	605,426	---
18050 TOTAL, BUDGET ACTIVITY 2.....	14,384,108	14,516,073	+131,965
18100 ACTIVITY 3: PAY AND ALLOWANCES OF CADETS			
18150 ACADEMY CADETS.....	61,132	61,132	---
18200 ACTIVITY 4: SUBSISTENCE OF ENLISTED PERS			
18250 BASIC ALLOWANCE FOR SUBSISTENCE.....	791,663	791,663	---
18300 SUBSISTENCE-IN-KIND.....	144,862	144,862	---
18350 FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE.....	24	24	---
18400 TOTAL, BUDGET ACTIVITY 4.....	936,549	936,549	---

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
18450 ACTIVITY 5: PERMANENT CHANGE OF STATION			
18500 ACCESSION TRAVEL.....	96,162	96,162	---
18550 TRAINING TRAVEL.....	76,778	76,778	---
18600 OPERATIONAL TRAVEL.....	430,836	430,836	---
18650 ROTATIONAL TRAVEL.....	652,314	652,314	---
18700 SEPARATION TRAVEL.....	264,276	264,276	---
18750 TRAVEL OF ORGANIZED UNITS.....	22,995	22,995	---
18800 NON-TEMPORARY STORAGE.....	55,570	55,570	---
18850 TEMPORARY LODGING EXPENSE.....	37,891	37,891	---
18900 OTHER.....	---	-105,853	-105,853
18950 TOTAL, BUDGET ACTIVITY 5.....	1,636,822	1,530,969	-105,853
19000 ACTIVITY 6: OTHER MILITARY PERS COSTS			
19050 APPREHENSION OF MILITARY DESERTERS.....	89	89	---
19100 INTEREST ON UNIFORMED SERVICES SAVINGS.....	1,318	1,318	---
19150 DEATH GRATUITIES.....	19,500	19,500	---
19200 UNEMPLOYMENT BENEFITS.....	55,317	55,317	---
19250 SURVIVOR BENEFITS.....	1,184	1,184	---
19300 EDUCATION BENEFITS.....	486	486	---
19350 ADOPTION EXPENSES.....	611	611	---
19400 TRANSPORTATION SUBSIDY.....	4,966	4,966	---
19450 PARTIAL DISLOCATION ALLOWANCE.....	2,297	2,297	---
19550 RESERVE OFFICERS TRAINING CORPS (ROTC).....	44,552	44,552	---
19600 JUNIOR ROTC.....	21,022	21,022	---
19650 TOTAL, BUDGET ACTIVITY 6.....	151,342	151,342	---
19700 LESS REIMBURSABLES.....	-319,177	-319,177	---
19750 UNDISTRIBUTED ADJUSTMENT.....	---	-20,000	-20,000
19800 TOTAL, ACTIVE FORCES, AIR FORCE.....	25,271,443	25,103,789	-167,654
21000 TOTAL, MILITARY PERSONNEL, AIR FORCE.....	25,271,443	25,103,789	-167,654



**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [in thousands of dollars]

	Budget Request	Recommendation
<b>BA-1: PAY AND ALLOWANCES OF OFFICERS</b>		
<b>SPECIAL PAYS</b>	<b>280,852</b>	<b>272,641</b>
Hostile Fire Pay - Defer Consideration to GWOT Supplemental		-6,670
Hardship Duty Pay - Defer Consideration to GWOT Supplemental		-1,541
<b>SEPARATION PAY</b>	<b>391,502</b>	<b>225,947</b>
Excess to Requirements		-165,555
<b>BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL</b>		
<b>BASIC PAY</b>	<b>7,914,059</b>	<b>8,085,467</b>
End Strength Growth		171,408
<b>SPECIAL PAYS</b>	<b>293,186</b>	<b>253,743</b>
Hostile Fire Pay - Defer Consideration to GWOT Supplemental		-31,855
Hardship Duty Pay - Defer Consideration to GWOT Supplemental		-7,588
<b>BA-5: PERMANENT CHANGE OF STATION</b>		
<b>OTHER</b>		<b>-105,853</b>
Excess to Requirements		-105,853
<b>UNDISTRIBUTED ADJUSTMENT</b>		<b>-20,000</b>
Underexecution of End Strength		-20,000

RESERVE PERSONNEL, ARMY

For Reserve Personnel, Army, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
23000 RESERVE PERSONNEL, ARMY			
23050 ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
23100 PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	1,157,222	1,157,222	---
23150 PAY GROUP B TRAINING (BACKFILL FOR ACT DUTY).....	38,568	38,568	---
23200 PAY GROUP F TRAINING (RECRUITS).....	202,217	202,217	---
23250 PAY GROUP P TRAINING (PIPELINE RECRUITS).....	9,037	9,037	---
23300 MOBILIZATION TRAINING .....	19,870	19,870	---
23350 SCHOOL TRAINING.....	194,979	194,979	---
23400 SPECIAL TRAINING.....	177,124	177,124	---
23450 ADMINISTRATION AND SUPPORT.....	1,938,381	1,943,081	+4,700
23500 EDUCATION BENEFITS.....	92,039	92,039	---
23550 HEALTH PROFESSION SCHOLARSHIP .....	35,321	53,721	+18,400
23600 OTHER PROGRAMS .....	57,038	57,038	---
23650 TOTAL, BUDGET ACTIVITY 1.....	3,921,796	3,944,896	+23,100
23800 UNDISTRIBUTED ADJUSTMENT.....	---	-40,600	-40,600
24000 TOTAL RESERVE PERSONNEL, ARMY.....	3,921,796	3,904,296	-17,500

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [in thousands of dollars]

	Budget Request	Recommendation
<b>BA-1: UNIT AND INDIVIDUAL TRAINING</b>		
<b>ADMINISTRATION AND SUPPORT</b>	1,938,381	1,943,081
Full Time Support (AGRs)		4,700
<b>HEALTH PROFESSION SCHOLARSHIP</b>	35,321	53,721
Identified Shortfall		18,400
<b>UNDISTRIBUTED ADJUSTMENT</b>		<b>-40,600</b>
Underexecution of End Strength		-19,600
Unobligated/Unexpended Balances		-21,000

RESERVE PERSONNEL, NAVY

For Reserve Personnel, Navy, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
26000 RESERVE PERSONNEL, NAVY			
26050 ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
26100 PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	612,049	598,049	-14,000
26150 PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY).....	8,337	8,337	---
26200 PAY GROUP F TRAINING (RECRUITS).....	48,568	48,568	---
26250 MOBILIZATION TRAINING.....	7,961	7,961	---
26300 SCHOOL TRAINING.....	35,089	35,089	---
26350 SPECIAL TRAINING.....	70,295	70,295	---
26400 ADMINISTRATION AND SUPPORT.....	1,043,388	1,043,388	---
26450 EDUCATION BENEFITS.....	5,565	5,565	---
26500 HEALTH PROFESSION SCHOLARSHIP.....	38,716	38,716	---
26550 TOTAL, BUDGET ACTIVITY 1.....	1,869,968	1,855,968	-14,000
	=====	=====	=====
27000 TOTAL, RESERVE PERSONNEL, NAVY.....	1,869,968	1,855,968	-14,000

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

	Budget Request	Recommendation
BA-1: UNIT AND INDIVIDUAL TRAINING		
PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	612,049	598,049
Excessive Growth		-14,000

RESERVE PERSONNEL, MARINE CORPS

For Reserve Personnel, Marine Corps, funds are to be available for fiscal year 2009, as follows:



(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
28000 RESERVE PERSONNEL, MARINE CORPS			
28050 ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
28100 PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	178,749	178,749	---
28150 PAY GROUP B TRAINING (BACKFILL FOR ACT DUTY).....	34,485	30,485	-4,000
28200 PAY GROUP F TRAINING (RECRUITS).....	95,858	95,858	---
28300 MOBILIZATION TRAINING.....	2,920	2,920	---
28350 SCHOOL TRAINING.....	14,870	14,870	---
28400 SPECIAL TRAINING.....	38,222	38,222	---
28450 ADMINISTRATION AND SUPPORT.....	190,257	190,257	---
28500 PLATOON LEADER CLASS.....	13,200	13,200	---
28550 EDUCATION BENEFITS.....	26,349	26,349	---
28600 TOTAL, BUDGET ACTIVITY 1.....	594,910	590,910	-4,000
28700 UNDISTRIBUTED ADJUSTMENT.....	---	-6,000	-6,000
	=====	=====	=====
29000 TOTAL, RESERVE PERSONNEL, MARINE CORPS.....	594,910	584,910	-10,000

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

	Budget Request	Recommendation
<b>BA-1: UNIT AND INDIVIDUAL TRAINING</b>		
<b>PAY GROUP B (BACKFILL FOR ACTIVE DUTY)</b>	<b>34,485</b>	<b>30,485</b>
Excessive Growth		-4,000
<b>UNDISTRIBUTED ADJUSTMENT</b>		<b>-6,000</b>
Underexecution of End Strength		-2,000
Unobligated/Unexpended Balances		-4,000

RESERVE PERSONNEL, AIR FORCE

For Reserve Personnel, Air Force, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
30000 RESERVE PERSONNEL, AIR FORCE			
30050 ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
30100 PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	594,045	587,045	-7,000
30150 PAY GROUP B TRAINING (BACKFILL FOR ACT DUTY).....	78,416	78,416	---
30200 PAY GROUP F TRAINING (RECRUITS).....	45,928	43,928	-2,000
30250 PAY GROUP P TRAINING (PIPELINE RECRUITS).....	120	120	---
30300 MOBILIZATION TRAINING.....	1,800	1,800	---
30350 SCHOOL TRAINING.....	147,277	147,277	---
30400 SPECIAL TRAINING.....	163,403	163,403	---
30450 ADMINISTRATION AND SUPPORT.....	338,510	338,510	---
30500 EDUCATION BENEFITS.....	35,288	35,288	---
30550 HEALTH PROFESSION SCHOLARSHIP.....	28,507	41,507	+13,000
30600 OTHER PROGRAMS (ADMIN & SUPPORT).....	3,382	3,382	---
30650 TOTAL, BUDGET ACTIVITY 1.....	1,436,676	1,440,676	+4,000
30750 UNDISTRIBUTED ADJUSTMENT.....	---	-17,000	-17,000
	=====	=====	=====
31000 TOTAL, RESERVE PERSONNEL, AIR FORCE.....	1,436,676	1,423,676	-13,000

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

	Budget Request	Recommendation
<b>BA-1: UNIT AND INDIVIDUAL TRAINING</b>		
<b>PAY GROUP A TRAINING (15 DAYS &amp; DRILLS 24/48)</b>	<b>594,045</b>	<b>587,045</b>
Excessive Growth		-7,000
<b>PAY GROUP F TRAINING (RECRUITS)</b>	<b>45,928</b>	<b>43,928</b>
Excessive Growth		-2,000
<b>HEALTH PROFESSION SCHOLARSHIP</b>	<b>28,507</b>	<b>41,507</b>
Identified Shortfall		13,000
<b>UNDISTRIBUTED ADJUSTMENT</b>		<b>-17,000</b>
Underexecution of End Strength		-2,000
Unobligated/Unexpended Balances		-15,000

NATIONAL GUARD PERSONNEL, ARMY

For National Guard Personnel, Army, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
32000 NATIONAL GUARD PERSONNEL, ARMY			
32050 ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
32100 PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	1,951,432	1,951,432	---
32150 PAY GROUP F TRAINING (RECRUITS).....	424,539	424,539	---
32200 PAY GROUP P TRAINING (PIPELINE RECRUITS).....	35,896	35,896	---
32250 SCHOOL TRAINING.....	546,610	546,610	---
32300 SPECIAL TRAINING.....	301,116	301,116	---
32350 ADMINISTRATION AND SUPPORT.....	3,108,536	3,211,036	+102,500
32400 EDUCATION BENEFITS.....	227,164	227,164	---
32450 TOTAL, BUDGET ACTIVITY 1.....	6,595,293	6,697,793	+102,500
32600 UNDISTRIBUTED ADJUSTMENT.....	---	-81,573	-81,573
	=====	=====	=====
33000 TOTAL, NATIONAL GUARD PERSONNEL, ARMY.....	6,595,293	6,616,220	+20,927

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

	Budget Request	Recommendation
<b>BA-1: UNIT AND INDIVIDUAL TRAINING</b>		
<b>ADMINISTRATION AND SUPPORT</b>	3,108,536	3,211,036
Full Time Support (AGRs)		102,500
<b>UNDISTRIBUTED ADJUSTMENT</b>		<b>-81,573</b>
Unobligated/Unexpended Balances		-88,000
WMD Civil Support Team for Florida		1,200
WMD Civil Support Team for New York State		1,627
Joint Interagency Training and Education Center		3,600



NATIONAL GUARD PERSONNEL, AIR FORCE

For National Guard Personnel, Air Force, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
34000 NATIONAL GUARD PERSONNEL, AIR FORCE			
34050 ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
34100 PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	959,948	946,948	-13,000
34150 PAY GROUP F TRAINING (RECRUITS).....	72,991	72,991	---
34200 PAY GROUP P TRAINING (PIPELINE RECRUITS).....	212	212	---
34250 SCHOOL TRAINING.....	194,161	197,861	+3,700
34300 SPECIAL TRAINING.....	101,120	112,120	+11,000
34350 ADMINISTRATION AND SUPPORT.....	1,411,089	1,411,089	---
34400 EDUCATION BENEFITS.....	52,473	52,473	---
34450 TOTAL, BUDGET ACTIVITY 1.....	2,791,994	2,793,694	+1,700
34700 UNDISTRIBUTED ADJUSTMENT.....	---	-51,926	-51,926
	=====	=====	=====
35000 TOTAL, NATIONAL GUARD PERSONNEL, AIR FORCE.....	2,791,994	2,741,768	-50,226

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

	<b>Budget Request</b>	<b>Recommendation</b>
<b>BA-1: UNIT AND INDIVIDUAL TRAINING</b>		
<b>PAY GROUP A TRAINING (15 DAYS &amp; DRILLS 24/48)</b>	<b>959,948</b>	<b>946,948</b>
Excessive Growth		-13,000
<b>SCHOOL TRAINING</b>	<b>194,161</b>	<b>197,861</b>
Specialized Mission Training		3,700
<b>SPECIAL TRAINING</b>	<b>101,120</b>	<b>112,120</b>
Air Sovereignty Alert Mission		11,000
<b>UNDISTRIBUTED ADJUSTMENT</b>		<b>-51,926</b>
Underexecution of End Strength		-25,000
Unobligated/Unexpended Balances		-31,000
WMD Civil Support Team for Florida		400
WMD Civil Support Team for New York State		304
Joint Interagency Training and Education Center		650
Crypto-Linguist/Intelligence Officer Initiative		2,720

TITLE II—OPERATION AND MAINTENANCE

For Operation and Maintenance, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
RECAPITULATION			
OPERATION & MAINTENANCE, ARMY.....	31,243,092	31,207,243	-35,849
OPERATION & MAINTENANCE, NAVY.....	34,922,398	34,410,773	-511,625
OPERATION & MAINTENANCE, MARINE CORPS.....	5,597,254	5,519,232	-78,022
OPERATION & MAINTENANCE, AIR FORCE.....	35,902,487	34,865,964	-1,036,523
OPERATION & MAINTENANCE, DEFENSE-WIDE.....	26,091,864	25,939,466	-152,398
OPERATION & MAINTENANCE, ARMY RESERVE.....	2,642,341	2,628,896	-13,445
OPERATION & MAINTENANCE, NAVY RESERVE.....	1,311,085	1,308,141	-2,944
OPERATION & MAINTENANCE, MARINE CORPS RESERVE.....	213,131	212,487	-644
OPERATION & MAINTENANCE, AIR FORCE RESERVE.....	3,142,892	3,018,151	-124,741
OPERATION & MAINTENANCE, ARMY NATIONAL GUARD.....	5,875,546	5,858,303	-17,243
OPERATION & MAINTENANCE, AIR NATIONAL GUARD.....	5,879,576	5,901,044	+21,468
OVERSEAS CONTINGENCY OPERATIONS TRANSFER ACCOUNT.....	9,101	---	-9,101
UNITED STATES COURT OF APPEALS FOR THE ARMED FORCES...	13,254	13,254	---
ENVIRONMENTAL RESTORATION, ARMY.....	447,776	457,776	+10,000
ENVIRONMENTAL RESTORATION, NAVY.....	290,819	290,819	---
ENVIRONMENTAL RESTORATION, AIR FORCE.....	496,277	496,277	---
ENVIRONMENTAL RESTORATION, DEFENSE-WIDE.....	13,175	13,175	---
ENVIRONMENTAL RESTORATION, FORMERLY USED DEF. SITES...	257,796	291,296	+33,500
OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID.....	83,273	83,273	---
COOPERATIVE THREAT REDUCTION ACCOUNT.....	414,135	434,135	+20,000
GRAND TOTAL, OPERATION & MAINTENANCE.....	154,847,272	152,949,705	-1,897,567

## DIRECTED TRANSFER OF WORKING CAPITAL FUND CASH

Section 8119 reduces funding to the Operation and Maintenance accounts to reflect cash balance adjustments in the Defense Working Capital Funds. The Department is directed to transfer \$823,000,000 from Defense Working Capital Fund, Army, to Operation and Maintenance, Army, and transfer \$36,000,000 from the Defense Working Capital Fund Air Force, to Operation and Maintenance, Air Force.

## "SOFT" POWER AND INTER-AGENCY BURDEN SHARING

The current inter-agency allocation of resources and responsibilities does not support an appropriate balance of the civilian and military instruments of national security. The Department of Defense has learned in recent years that successful security and stability operations require not only military action, but also sustained application of the diplomatic, development and economic tools that are the traditional responsibilities of the Department of State and the U.S. Agency for International Development (USAID). Reflecting the importance of these non-military national security assets, the Secretary of Defense has repeatedly called for a dramatic increase in U.S. spending on diplomacy, foreign assistance, civic action, and economic development and reconstruction.

The Department has often assumed responsibility for development and reconstruction activities reluctantly and because the civilian agencies are either unable or unwilling to carry them out. However, significant increases were requested for several programs that duplicate efforts traditionally carried out by the Department of State and USAID, notably, the global train and equip and global security and stability programs; the new humanitarian relief aspect of the Combatant Commander's Initiative Fund; and a thirty-percent increase in the funds requested for the Commander's Emergency Response Program (CERP).

This apparent consolidation of U.S. security assistance, foreign aid, and humanitarian assistance and development programs within the Department of Defense is concerning. Neither the Nation's nor the Department's interests are well served by this institutional shift of responsibility for traditional elements of "soft power" from U.S. civilian agencies to the military. Given the tremendous strains the services face in the current operational environment, the Department should refrain from assuming additional soft power roles and work with Congress and the next Administration toward a more rational balance of inter-agency burden sharing and resource allocation.

## FAMILY ADVOCACY PROGRAM

The bill provides a total of \$410,000,000 for family advocacy programs in fiscal year 2009. The additional funding provided herein will enhance the activities of the Family Advocacy Program (FAP) and provide for children and families managing the difficult challenges of military service. The concern about the growing need for family members to have access to professional counseling to help alleviate the mental stresses associated with deployments continues as stress on families reaches unprecedented levels. Current

challenges facing today's military families include multiple and lengthy deployments, frequent moves, a shortage of child care nationwide, a wide range of financial complexities, the need for a two-income family and family reintegration. The loss of the daily presence of a parent—or parents—in the home and the worry about the safety of a deployed parent is a difficult burden for children. The activities provided by FAP products and services help mitigate the disruption and stress in the military family when facing a variety of stressors, such as relocation, deployment, shifts in family responsibility, and the loss or injury of loved ones.

The Department is taking action to create a Military OneSource Center to develop cutting-edge quality of life support for the military's emerging needs including deployment, mobilization, and reintegration. The Center will promote the readiness of military families throughout the military life cycle, from recruitment, relocation, deployment and mobilization, to retirement.

Therefore, a family advocacy program line has been created within the Operation and Maintenance, Defense-Wide account to enable better execution of the funding provided and to enable the Military OneSource Center to conduct appropriate evaluation and development of cost-effective quality of life resources that can be made available to all servicemembers and their families. The Family Advocacy Program should continue umbrella programs to include Military OneSource call center, counseling (financial and family), and other outreach programs that are most efficiently resourced at the Department level and any other missions deemed necessary that demonstrate a benefit to the servicemembers and their families. The Center will institutionalize the support that has been provided to servicemembers and their families since the beginning of the Global War on Terror.

#### JOINT TASK FORCE GUANTANAMO/DETAINEE OPERATIONS

The Secretary of Defense has indicated that he favors closing the detention facilities at Guantanamo Bay, Cuba. The June 12, 2008 decision by the United States Supreme Court that detainees at Guantanamo are entitled to the procedural protection of habeas corpus undermines the rationale to continue holding detainees off-shore. Therefore, the Secretary is directed to develop options for the disposition of the Guantanamo Bay detention facility (to include potential closure), and the relocation of its population to alternative detention facilities; and to provide a report on such options, including the potential cost, schedule and disposition of detainees to the congressional defense committees within 180 days of enactment of this Act.

#### FACILITIES SUSTAINMENT, RESTORATION AND MODERNIZATION

The Department of Defense has not directed sufficient management attention to maintaining and repairing facilities and the Department is deferring maintenance on barracks and other facilities affecting the quality of life of Service personnel. Early this year, the deplorable living conditions that servicemembers had to endure upon returning from deployment came to light. Billions of dollars have been provided over the years for facilities repair; however,

these funds are often used as funding sources for other operation and maintenance year-of-execution funding requirements. The bill provides an additional \$493,500,000 for sustainment, restoration and modernization of barracks. In order to ensure that these funds are obligated and expended for sustainment, restoration and modernization of barracks, these funds shall be treated as a congressional interest item and should be so designated on the DD Form 1414.

Further, to focus management attention on the condition of barracks, the Department is directed to survey barracks at all Defense installations and document the extent to which barracks meet the established Department standards; reasons why such facilities fail to meet such standards; and estimate the funding required by fiscal year for each military service to bring barracks into compliance with the Department's standards. The Secretary of Defense is to provide the results of this survey to the congressional defense committees not later than February 27, 2009.

#### OPERATION AND MAINTENANCE REPROGRAMMINGS

The bill includes a provision identical to the provision enacted in fiscal year 2008 that requires the Department to submit the DD Form 1414, Base for Reprogramming Actions, for each of the fiscal year 2009 appropriations accounts within 60 days after the enactment of this Act. This provision prohibits the Department from executing any reprogramming or transfer of funds for any purpose other than originally appropriated until the aforementioned report is submitted to the House and the Senate Committees on Appropriations.

With respect to the Service's operation and maintenance accounts, the Department shall submit prior approval reprogramming requests to the congressional defense committees for proposed transfers of funds in excess of \$15,000,000 to or from the levels specified for budget activities. In addition, the Department should follow prior approval reprogramming procedures for transfers in excess of \$15,000,000 out of the following budget subactivities:

*Operation and Maintenance, Army:*

Land Forces Depot Maintenance

*Operation and Maintenance, Navy:*

Aircraft Depot Maintenance

Ship Depot Maintenance

*Operation and Maintenance, Marine Corps:*

Depot Maintenance

*Operation and Maintenance, Air Force:*

Air Operations Depot Maintenance

Mobility Operations Depot Maintenance

Basic Skills/Training Depot Maintenance

Logistics Operations Depot Maintenance

Further, the Department shall provide written notification of cumulative transfers in excess of \$15,000,000 from the following budget subactivities:

*Operation and Maintenance, Army:*

Maneuver Units

Modular Support Brigades

Land Forces Operations Support



Force Readiness Operations Support  
 Base Operations Support  
 Facilities, Sustainment, Restoration and Modernization  
*Operation and Maintenance, Navy:*  
 Facilities Sustainment, Restoration and Modernization  
*Operation and Maintenance, Marine Corps:*  
 Facilities Sustainment, Restoration and Modernization  
*Operation and Maintenance, Air Force: Primary Combat Forces*  
 Combat Enhancement Forces  
 Combat Communications  
 Facilities Sustainment, Restoration and Modernization

With respect to Operation and Maintenance, Defense-Wide, proposed transfers of funds to or from the levels specified for defense agencies in excess of \$15,000,000 shall be subject to prior approval reprogramming procedures. In addition, the Department shall provide written notification of cumulative transfers in excess of \$15,000,000 or 20 percent, whichever is less, from the following line items identified in the Operation and Maintenance, Defense-Wide project level table contained in this Act:

*Defense Legal Service Agency*  
*Office of the Secretary of Defense*  
 Acquisition, Technology, and Logistics Programs  
 Personnel and Readiness  
 Comptroller and Chief Financial Officer  
 Under Secretary of Defense (Intelligence)  
 Under Secretary of Defense (Policy)  
 Director, Program Analysis and Evaluation

Assistant Secretary for Defense (Networks and Information Integration)

A congressional interest item contained in Operation and Maintenance, Defense-Wide is defined only as a specified increase provided in this Act.

#### OPERATION AND MAINTENANCE BUDGET EXECUTION DATA

The Department of Defense is directed to continue to provide the congressional defense committees with quarterly budget execution data. Such data should be provided not later than forty-five days past the close of each quarter for the fiscal year, and shall be provided for each O-1 budget activity, activity group, and subactivity group for each of the active, defense-wide, reserve and National Guard components. For each O-1 budget activity, activity group, and subactivity group, these reports shall include: the budget request and actual obligations; the Department of Defense distribution of unallocated congressional adjustments to the budget request; all adjustments made in establishing the Base for Reprogramming (DD Form 1414) report; all adjustments resulting from below threshold reprogrammings; and all adjustments resulting from prior approval reprogramming requests.

## ELECTRICAL FIRES AT MILITARY BASES IN IRAQ

There is concern with the number and severity of electrical fires at military bases in Iraq. In a single six month period, 283 fires destroyed or damaged military facilities in Iraq. More than a dozen servicemembers have been electrocuted in Iraq since the beginning of the war, with many more injured, some seriously. This is unacceptable. The Secretary is directed, within 60 days of enactment of this Act, to provide a report to the congressional defense committees that details the extent and causes of the problem, and what mitigating and corrective actions the Department plans.

## GROUND COMBAT HELMET PADS

The frequency of traumatic brain injury among ground combat forces due to accidents and combat operations, including attacks by improvised explosive devices and explosively formed penetrators, is a matter of great concern. The Army and Marine Corps should leverage all available technology to provide combat helmets that offer the best possible protection against traumatic brain injury. Reportedly, the Army may be exploring the possibilities of adapting certain aspects of padding used in protective helmets worn in professional sports to better protect soldiers against concussions, and the Army and the Marine Corps may accept helmet padding that meets minimum standards when better performing padding may be available, albeit at a greater cost. The Army and Marine Corps are encouraged to aggressively pursue all available advances in protection against head injuries among ground combat soldiers.

The Government Accountability Office is directed to provide a report and recommendations to the congressional defense committees within 120 days of enactment of this Act on the padding used in ground combat helmets by the Army and Marine Corps. The report shall address the materials in use and improved products that may be available for use for shock absorption, all weather performance, maintainability and overall best value attributes.

## ALASKAN COMMAND DEPLOYMENT SUPPORT

In light of the recent and projected deployment of military forces from Alaska in support of the Global War on Terror, the significant hardships encountered by many families and spouses during these lengthy deployments are recognized. Considering that two Army brigades and an Air Expeditionary Force will be deployed at the same time in 2009, the stress of these deployments on families will be significant. During a servicemembers' absence, military spouses are solely responsible for caring for children, maintaining employment, and managing household finances. Accordingly, \$6,000,000 is provided to support the needs of these families, of which \$2,000,000 is specifically intended for child care support services.

## INTELLIGENCE, SURVEILLANCE AND RECONNAISSANCE

The Secretary of Defense notified the House and the Senate Committees on Appropriations of a number of urgent Intelligence, Surveillance and Reconnaissance needs for fiscal year 2009 that were not contained in the President's budget request. In order to

respond to these emerging requirements, an increase of \$750,000,000 is provided in operation and maintenance, procurement, and research, development, test and evaluation accounts. The following table includes operation and maintenance funds provided in support of this initiative.

[In thousands of dollars]

Line	Account	Item	
140	OM,A	O&M for 8 MARSS multi-INT Aircraft	\$65,600
140	OM,A	O&M for 3 Constant Hawk	45,000
80	OM,A	Upgraded Hunter capabilities	15,200
140	OM,A	O&M for 15 TRITON (ground vehicle SIGINT)	20,500
30	OM,AF	O&M for 14 SIGINT pods for conventional support	3,300
SOCOM	OM,DW	Continuation of additional O8 GWOT ISR	80,000
SOCOM	OM,DW	Processing, Exploitation and Dissemination, PED Support	30,000
SOCOM	OM,DW	SOF deployable nodes/Tac Assured connectivity system	1,000
SOCOM	OM,DW	DCGS-SOF	7,000
SOCOM	OM,DW	O&M for manned FMV/SIGINT Aircraft	3,600
SOCOM	OM,DW	O&M for increased crew ratio for RC-26 fleet	2,000
999	OM,DW	Storage, movement and access of full motion video data	26,000
999	OM,DW	Passive and Active ground/airborne SIGINT (NSA)	1,800
20	OM,ANG	Mobilize non-mobilized ANG for DCGS PED	10,000

#### OPERATION AND MAINTENANCE, ARMY

For Operation and Maintenance, Army, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
50 OPERATION AND MAINTENANCE, ARMY			
100 BUDGET ACTIVITY 1: OPERATING FORCES			
150 LAND FORCES			
200 MANEUVER UNITS.....	1,259,183	982,978	-276,205
250 MODULAR SUPPORT BRIGADES.....	107,517	115,517	+8,000
300 ECHELONS ABOVE BRIGADES.....	606,827	608,827	+2,000
350 THEATER LEVEL ASSETS.....	963,864	936,235	-27,629
400 LAND FORCES OPERATIONS SUPPORT.....	1,244,812	1,248,112	+3,500
450 AVIATION ASSETS.....	1,013,851	1,018,251	+4,400
500 LAND FORCES READINESS			
550 FORCE READINESS OPERATIONS SUPPORT.....	1,821,481	1,873,881	+52,400
600 LAND FORCES SYSTEMS READINESS.....	624,053	639,253	+15,200
650 LAND FORCES DEPOT MAINTENANCE.....	737,303	702,743	-34,560
700 LAND FORCES READINESS SUPPORT			
750 BASE OPERATIONS SUPPORT.....	7,309,710	7,319,310	+9,600
800 FACILITIES SUSTAINMENT, RESTORATION, & MODERNIZATION..	2,093,829	2,607,529	+513,700
850 MANAGEMENT AND OPERATIONAL HEADQUARTERS.....	301,149	284,149	-17,000
900 COMBATANT COMMANDER'S CORE OPERATIONS.....	262,556	189,556	-73,000
950 ADDITIONAL ACTIVITIES.....	274,854	405,754	+131,100
1060 COMBATANT COMMANDERS ANCILLARY MISSIONS.....	282,990	282,990	---
1100 TOTAL, BUDGET ACTIVITY 1.....	18,903,579	19,215,085	+311,506
1150 BUDGET ACTIVITY 2: MOBILIZATION			
1200 MOBILITY OPERATIONS			
1250 STRATEGIC MOBILITY.....	204,559	205,759	+1,200
1300 ARMY PREPOSITIONED STOCKS.....	122,273	122,273	---
1350 INDUSTRIAL PREPAREDNESS.....	---	1,600	+1,600
1400 TOTAL, BUDGET ACTIVITY 2.....	326,832	329,632	+2,800

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
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1450 BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
1500 ACCESSION TRAINING			
1550 OFFICER ACQUISITION.....	121,985	121,985	---
1600 RECRUIT TRAINING.....	90,999	90,999	---
1650 ONE STATION UNIT TRAINING.....	66,512	64,350	-2,162
1700 SENIOR RESERVE OFFICERS TRAINING CORPS.....	441,264	442,864	+1,600
1750 BASIC SKILL AND ADVANCED TRAINING			
1800 SPECIALIZED SKILL TRAINING.....	825,237	830,437	+5,200
1850 FLIGHT TRAINING.....	781,761	781,761	---
1900 PROFESSIONAL DEVELOPMENT EDUCATION.....	130,208	131,808	+1,600
1950 TRAINING SUPPORT.....	852,545	850,545	-2,000
2000 RECRUITING AND OTHER TRAINING AND EDUCATION			
2050 RECRUITING AND ADVERTISING.....	645,968	581,520	-64,448
2100 EXAMINING.....	148,274	148,274	---
2150 OFF-DUTY AND VOLUNTARY EDUCATION.....	244,844	263,844	+19,000
2200 CIVILIAN EDUCATION AND TRAINING.....	223,957	210,957	-13,000
2250 JUNIOR RESERVE OFFICERS TRAINING CORPS.....	149,329	149,329	---
2300 TOTAL, BUDGET ACTIVITY 3.....	4,722,883	4,668,673	-54,210
-----			
2350 BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
2400 SECURITY PROGRAMS			
2450 SECURITY PROGRAMS.....	876,020	871,188	-4,832
2500 LOGISTICS OPERATIONS			
2550 SERVICEWIDE TRANSPORTATION.....	552,629	552,629	---
2600 CENTRAL SUPPLY ACTIVITIES.....	630,145	639,145	+9,000
2650 LOGISTICS SUPPORT ACTIVITIES.....	510,326	499,326	-11,000
2700 AMMUNITION MANAGEMENT.....	450,394	453,594	+3,200

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
2750 SERVICEWIDE SUPPORT			
2800 ADMINISTRATION.....	768,681	768,681	---
2850 SERVICEWIDE COMMUNICATIONS.....	1,154,085	1,158,385	+4,300
2900 MANPOWER MANAGEMENT.....	276,925	276,925	---
2950 OTHER PERSONNEL SUPPORT.....	195,129	195,129	---
3000 OTHER SERVICE SUPPORT.....	1,152,968	1,155,368	+2,400
3050 ARMY CLAIMS ACTIVITIES.....	233,680	233,680	---
3100 REAL ESTATE MANAGEMENT.....	58,345	58,345	---
3150 SUPPORT OF OTHER NATIONS			
3200 SUPPORT OF NATO OPERATIONS.....	408,788	408,788	---
3250 MISC. SUPPORT OF OTHER NATIONS.....	21,683	21,683	---
3300 TOTAL, BUDGET ACTIVITY 4.....	7,289,798	7,292,866	+3,068
3410 CONTRACT SERVICES 5 PERCENT REDUCTION.....	---	-229,013	-229,013
3430 TRANSFER TO AFRICOM NOT PROPERLY ACCOUNTED FOR.....	---	-70,000	-70,000
4000 TOTAL, OPERATION AND MAINTENANCE, ARMY.....	31,243,092	31,207,243	-35,849

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Recommendation
<b>111 MANEUVER UNITS</b>	<b>1,259,183</b>	<b>982,978</b>
Unexecutable Peacetime Operations Due to Deployments		-278,205
Stryker Situation Awareness Soldier Protection Package		2,000
<b>112 MODULAR SUPPORT BRIGADES</b>	<b>107,517</b>	<b>115,517</b>
Air-Supported Temper Tent		5,000
Modular Command Post Tent		3,000
<b>113 ECHELONS ABOVE BRIGADES</b>	<b>606,827</b>	<b>608,827</b>
Army Force Generation Synchronization Tool (AST)		2,000
<b>114 THEATER LEVEL ASSETS</b>	<b>963,864</b>	<b>936,235</b>
Unexecutable Peacetime Operations Due to Deployments		-27,629
<b>115 LAND FORCES OPERATIONS SUPPORT</b>	<b>1,244,612</b>	<b>1,248,112</b>
Light-weight Tactical Utility Vehicles		3,200
WMD Civil Support Team for Florida		300
<b>116 AVIATION ASSETS</b>	<b>1,013,851</b>	<b>1,018,251</b>
UH-60 Leak Proof Transmission Drip Pans		2,000
UAS Center of Excellence		2,400
<b>121 FORCE READINESS OPERATIONS SUPPORT</b>	<b>1,821,481</b>	<b>1,873,881</b>
Biometrics Operations Directorate Transition		2,000
Joint National Training Capability-Red Flag/Northern Edge Training Range Enhancements		14,700
Lightweight Ballistic Maxillofacial Protection System		3,500
Sawfly Laser Protective Lenses		3,000
USARPAC C4 Mission Program		24,000
Fort Hood Training Lands Restoration and Maintenance		2,800
Operational/Technical Training Validation Testbed		2,400
<b>122 LAND FORCES SYSTEMS READINESS</b>	<b>624,053</b>	<b>639,253</b>
Upgraded Hunter Capabilities		15,200
<b>123 LAND FORCES DEPOT MAINTENANCE</b>	<b>737,303</b>	<b>702,743</b>
Missile Maintenance - Rephase Funds To Match Workload		-34,560
<b>131 Base Operations Support</b>	<b>7,309,710</b>	<b>7,319,310</b>
Army Conservation and Ecosystem Management		4,000
Family Support for the 1/25th and 4/25th		4,000
Subterranean Infrastructure Security Demonstration Program		1,600

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1		Budget Request	Recommendation
132	<b>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>	<b>2,093,829</b>	<b>2,607,529</b>
	Barracks Restoration		493,500
	Roof Removal and Replacement at Fort Stewart, GA		2,160
	United States Army Sergeants Major Academy Lecture Center		
	Audio-Visual Expansion and Upgrade		520
	49th Missile Defense Battalion Infrastructure and Security		
	Upgrades		2,200
	Ladd Field Paving		2,500
	Soldier Barracks Roof Removal and Replacement at Fort Knox,		
	Kentucky		2,320
	Rock Island Arsenal, Building #299 Roof Removal and		
	Replacement, Phase III		5,000
	Training Area Restoration		5,500
133	<b>MANAGEMENT &amp; OPERATIONAL HEADQUARTERS</b>	<b>301,149</b>	<b>284,149</b>
	Unjustified Growth for Personnel		-17,000
134	<b>COMBATANT COMMANDER'S CORE OPERATIONS</b>	<b>262,556</b>	<b>189,556</b>
	AFRICOM: Theater Special Operations and Presence in Africa		-40,000
	AFRICOM: Deny Inter-agency Civilian Pay Reimbursement		-13,000
	Management Headquarters Activities Understated Growth		-20,000
135	<b>ADDITIONAL ACTIVITIES</b>	<b>274,654</b>	<b>405,754</b>
	O&M for 8 Additional MARSS Multi-INT a/c		65,800
	O&M for 3 Constant Hawk		45,000
	O&M for 15 TRITON III (Ground Vehicle SIGINT)		20,500
211	<b>STRATEGIC MOBILITY</b>	<b>204,559</b>	<b>205,759</b>
	Tricon and Quadcon Shipping Containers		1,200
213	<b>INDUSTRIAL PREPAREDNESS</b>	<b>0</b>	<b>1,600</b>
	Army Manufacturing Technical Assistance Production Program		
	(MTAPP)		1,600
313	<b>ONE STATION UNIT TRAINING</b>	<b>66,512</b>	<b>64,350</b>
	Unjustified Program Growth		-2,162
314	<b>SENIOR RESERVE OFFICERS' TRAINING CORPS</b>	<b>441,264</b>	<b>442,864</b>
	Air Battle Captain		1,600
321	<b>SPECIALIZED SKILL TRAINING</b>	<b>825,237</b>	<b>830,437</b>
	TranSim Driver's Training at Fort Stewart		4,000
	TranSim Driver's Training Program		1,200
323	<b>PROFESSIONAL DEVELOPMENT EDUCATION</b>	<b>130,208</b>	<b>131,808</b>
	Army Command and General Staff College Leadership Training		1,600
324	<b>TRAINING SUPPORT</b>	<b>852,545</b>	<b>850,545</b>
	Unjustified Program Growth		-2,000



EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Recommendation
<b>331 RECRUITING AND ADVERTISING</b>	<b>645,968</b>	<b>581,520</b>
Unjustified Program Growth		-64,448
<b>333 OFF-DUTY AND VOLUNTARY EDUCATION</b>	<b>244,844</b>	<b>263,844</b>
Army Continuing Education System		19,000
<b>334 CIVILIAN EDUCATION AND TRAINING</b>	<b>223,957</b>	<b>210,957</b>
Unjustified Growth for Training		-15,000
Human Resource Command Training		2,000
<b>411 SECURITY PROGRAMS</b>	<b>876,020</b>	<b>871,188</b>
Classified Programs		-4,832
<b>422 CENTRAL SUPPLY ACTIVITIES</b>	<b>630,145</b>	<b>639,145</b>
Army Battery Management Program Utilizing Pulse Technology Project		800
Directed Transfer To Defense Commissary Agency Surcharge		
Account for Coraopolis Commissary		8,200
<b>423 LOGISTICS SUPPORT ACTIVITIES</b>	<b>510,326</b>	<b>499,326</b>
Net Centric Decision Support Environment Sense and Respond		
Logistics		3,200
Army/Marine Corps Interoperability at Echelons Above the Brigade		2,400
Nanotechnology Corrosion Support		800
Fuel Tracking Capabilities		4,000
Common Logistics Operating Environment (CLOE) System		1,200
Savings for Logistics Support Activities		-25,000
Army Condition-Based Maintenance		2,400
<b>424 AMMUNITION MANAGEMENT</b>	<b>450,394</b>	<b>453,594</b>
M24 Sniper Weapons System Upgrade		3,200
<b>432 SERVICEWIDE COMMUNICATIONS</b>	<b>1,154,085</b>	<b>1,158,385</b>
US Army Alaska Bandwidth Shortfalls		3,000
US Army Alaska Critical Communications Infrastructure		1,300
<b>435 OTHER SERVICE SUPPORT</b>	<b>1,152,968</b>	<b>1,155,368</b>
Electronic Records Management Pilot Program		1,200
Memorial Day Concert		1,200
<b>5% REDUCTION IN CONTRACT SERVICES</b>		<b>-229,013</b>
Transfer to AFRICOM not properly accounted for		-70,000

## ARMY CONTINUING EDUCATION SYSTEM

It is important to provide returning soldiers and wounded warriors with opportunities to engage in retraining and vocational education programs. Community college systems throughout the Nation can readily provide these opportunities without duplicating the military's efforts. Therefore, \$19,000,000 is provided for the Army's off-duty and voluntary education retraining programs under the Army Continuing Education System to provide increased opportunity for soldiers and wounded warriors to acquire technical, vocational or advanced training and re-training. The Army is directed to work with accredited community colleges to build upon existing programs and develop new pilot re-training programs in high demand career occupations, including rehabilitation, nursing, medical technology and other health care occupations.

## SMART CONTRACTING

For the past several years, significant attention and resources have been focused on the Department's acquisition process and its workforce. There is commitment to providing the tools and resources to facilitate smarter contracting processes. The Secretary of the Army is directed to submit a report to the congressional defense committees no later than 60 days after enactment of this Act, detailing the Army's progress in implementing the key recommendations of the Gansler Commission.

## OPERATION AND MAINTENANCE, NAVY

For Operation and Maintenance, Navy, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
4300 OPERATION AND MAINTENANCE, NAVY			
4350 BUDGET ACTIVITY 1: OPERATING FORCES			
4400 AIR OPERATIONS			
4450 MISSION AND OTHER FLIGHT OPERATIONS.....	3,873,884	3,773,884	-100,000
4500 FLEET AIR TRAINING.....	969,661	969,661	---
4560 AVIATION TECHNICAL DATA AND ENGINEERING SERVICES.....	53,272	53,272	---
4600 AIR OPERATIONS AND SAFETY SUPPORT.....	120,305	120,305	---
4650 AIR SYSTEMS SUPPORT.....	494,832	497,232	+2,400
4700 AIRCRAFT DEPOT MAINTENANCE.....	1,127,774	1,127,774	---
4750 AIRCRAFT DEPOT OPERATIONS SUPPORT.....	142,618	143,418	+800
4800 SHIP OPERATIONS			
4850 MISSION AND OTHER SHIP OPERATIONS.....	3,536,837	3,336,837	-200,000
4900 SHIP OPERATIONS SUPPORT AND TRAINING.....	689,893	689,893	---
4950 SHIP DEPOT MAINTENANCE.....	4,139,996	4,139,996	---
5000 SHIP DEPOT OPERATIONS SUPPORT.....	1,167,411	1,168,171	+760
5050 COMBAT COMMUNICATIONS/SUPPORT			
5100 COMBAT COMMUNICATIONS.....	633,376	630,879	-2,497
5150 ELECTRONIC WARFARE.....	85,349	85,349	---
5200 SPACE SYSTEMS AND SURVEILLANCE.....	160,175	160,175	---
5250 WARFARE TACTICS.....	397,763	389,363	-8,400
5300 OPERATIONAL METEOROLOGY AND OCEANOGRAPHY.....	315,803	315,803	---
5350 COMBAT SUPPORT FORCES.....	783,689	762,589	-21,100
5400 EQUIPMENT MAINTENANCE.....	186,860	187,980	+1,120
5450 DEPOT OPERATIONS SUPPORT.....	3,256	3,256	---
5460 COMBATANT COMMANDERS CORE OPERATIONS.....	152,167	167,167	+15,000
5470 COMBATANT COMMANDERS DIRECT MISSION SUPPORT.....	261,105	261,105	---
5500 WEAPONS SUPPORT			
5550 CRUISE MISSILE.....	131,692	131,692	---
5600 FLEET BALLISTIC MISSILE.....	1,046,422	1,046,422	---
5650 IN-SERVICE WEAPONS SYSTEMS SUPPORT.....	64,298	64,298	---
5700 WEAPONS MAINTENANCE.....	478,103	460,703	-17,400
5750 OTHER WEAPON SYSTEMS SUPPORT.....	321,921	321,921	---

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
5800 BASE SUPPORT			
5850 ENTERPRISE INFORMATION TECHNOLOGY.....	893,448	893,448	---
5900 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	1,734,146	1,745,026	+10,880
5950 BASE OPERATING SUPPORT.....	4,158,483	4,136,823	-21,660
6000 TOTAL, BUDGET ACTIVITY 1.....	28,124,539	27,784,442	-340,097
6050 BUDGET ACTIVITY 2: MOBILIZATION			
6100 READY RESERVE AND PREPOSITIONING FORCES			
6150 SHIP PREPOSITIONING AND SURGE.....	394,729	394,729	---
6200 ACTIVATIONS/INACTIVATIONS			
6250 AIRCRAFT ACTIVATIONS/INACTIVATIONS.....	7,276	7,276	---
6300 SHIP ACTIVATIONS/INACTIVATIONS.....	110,268	110,268	---
6350 MOBILIZATION PREPAREDNESS			
6400 FLEET HOSPITAL PROGRAM.....	27,650	27,650	---
6450 INDUSTRIAL READINESS.....	2,419	2,419	---
6500 COAST GUARD SUPPORT.....	25,473	25,473	---
6550 TOTAL, BUDGET ACTIVITY 2.....	567,815	567,815	---
6600 BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
6650 ACCESSION TRAINING			
6700 OFFICER ACQUISITION.....	142,175	142,621	+446
6750 RECRUIT TRAINING.....	11,136	11,136	---
6800 RESERVE OFFICERS TRAINING CORPS.....	116,985	116,985	---
6850 BASIC SKILLS AND ADVANCED TRAINING			
6900 SPECIALIZED SKILL TRAINING.....	540,855	513,087	-27,768
6950 FLIGHT TRAINING.....	518,077	518,077	---
7000 PROFESSIONAL DEVELOPMENT EDUCATION.....	170,486	170,486	---
7050 TRAINING SUPPORT.....	155,533	157,493	+1,960
7100 RECRUITING, AND OTHER TRAINING AND EDUCATION			
7150 RECRUITING AND ADVERTISING.....	272,498	272,798	+300
7200 OFF-DUTY AND VOLUNTARY EDUCATION.....	163,077	164,277	+1,200
7250 CIVILIAN EDUCATION AND TRAINING.....	95,959	101,559	+5,600
7300 JUNIOR ROTC.....	50,494	50,494	---
7350 TOTAL, BUDGET ACTIVITY 3.....	2,237,275	2,219,013	-18,262

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
7400 BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
7450 SERVICEWIDE SUPPORT			
7500 ADMINISTRATION.....	735,822	729,622	-6,200
7550 EXTERNAL RELATIONS.....	4,213	4,213	---
7600 CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT.....	109,968	109,968	---
7650 MILITARY MANPOWER AND PERSONNEL MANAGEMENT.....	163,568	163,568	---
7700 OTHER PERSONNEL SUPPORT.....	278,085	278,085	---
7750 SERVICEWIDE COMMUNICATIONS.....	381,511	381,511	---
7850 LOGISTICS OPERATIONS AND TECHNICAL SUPPORT			
7900 SERVICEWIDE TRANSPORTATION.....	257,008	257,008	---
7950 PLANNING, ENGINEERING AND DESIGN.....	240,991	241,991	+1,000
8000 ACQUISITION AND PROGRAM MANAGEMENT.....	595,050	595,050	---
8050 HULL, MECHANICAL AND ELECTRICAL SUPPORT.....	60,723	60,723	---
8100 COMBAT/WEAPONS SYSTEMS.....	17,378	17,378	---
8150 SPACE AND ELECTRONIC WARFARE SYSTEMS.....	79,615	79,615	---
8200 SECURITY PROGRAMS			
8250 NAVAL INVESTIGATIVE SERVICE.....	504,649	494,449	-10,200
8300 SUPPORT OF OTHER NATIONS			
8350 INTERNATIONAL HEADQUARTERS AND AGENCIES.....	6,570	6,570	---
8400 OTHER PROGRAMS			
8450 OTHER PROGRAMS.....	557,618	556,818	-800
8500 TOTAL, BUDGET ACTIVITY 4.....	3,992,769	3,976,569	-16,200
8570 CONTRACT SERVICES 5 PERCENT REDUCTION.....	---	-137,066	-137,066
=====			
9100 TOTAL, OPERATION AND MAINTENANCE, NAVY.....	34,922,398	34,410,773	-511,625

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[in thousands of dollars]

O-1		Budget Request	Recommendation
1A1A	<b>MISSION AND OTHER FLIGHT OPERATIONS</b> Unexecutable Peacetime Operations Due to Deployments	3,873,884	3,773,884 -100,000
1A4N	<b>AIR SYSTEMS SUPPORT</b> CPI-Metamorphose/3 Technical Data Conversion and Support	494,832	497,232 2,400
1A6A	<b>AIRCRAFT DEPOT OPERATIONS SUPPORT</b> Sustainable Maintenance and Repair Technologies for Aircraft Composites	142,618	143,418 800
1B1B	<b>MISSION AND OTHER SHIP OPERATIONS</b> Unexecutable Peacetime Operations Due to Deployments	3,536,837	3,336,837 -200,000
1B5B	<b>SHIP DEPOT OPERATIONS SUPPORT</b> Advanced Technical Information Supports System (ATIS)	1,167,411	1,168,171 760
1C1C	<b>COMBAT COMMUNICATIONS</b> Commerical Satellite Unjustified Program Growth	633,376	630,879 -2,497
1C4C	<b>WARFARE TACTICS</b> Training Transformation Transfer Not Accounted For	397,763	389,363 -8,400
1C6C	<b>COMBAT SUPPORT FORCES</b> COCOM Residual Funding Training Transformation Transfer Not Accounted For	783,689	762,589 -20,000 -1,100
1C7C	<b>EQUIPMENT MAINTENANCE</b> Personnel Armor System for Ground Troops (PASGT) Helmet Retrofit Kits To Sustain Navy IPE Pool	186,860	187,980 1,120
1CCH	<b>COMBATANT COMMANDERS CORE OPERATIONS</b> Asia Pacific Regional Initiative	152,167	167,167 15,000
1D4D	<b>WEAPONS MAINTENANCE</b> Mark 75 Maintenance Facility Support and Upgrade Removal of One-time Cost for Marine Corps Ground Forces Mk 45 Mod 5" Gun Depot Overhauls	478,103	460,703 1,600 -28,000 9,000
BSM1	<b>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b> Puget Sound Navy Museum Modernization/Restoration of Naval Air Station Key West Facilities and Infrastructure Wireless Pierside Connection System Navy Shore Readiness Integration	1,734,146	1,745,026 1,280 4,800 1,600 3,200

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Recommendation
<b>BSS1 BASE OPERATING SUPPORT</b>	<b>4,158,483</b>	<b>4,136,823</b>
CONUS NEX and Category C Utility Costs		-25,000
PMRF Flood Control		2,500
Brown Tree Snake Control and Interdiction on Guam		840
<b>3A1J OFFICER ACQUISITION</b>	<b>142,175</b>	<b>142,621</b>
Diversity Recruitment for Naval Academy		446
<b>3B1K SPECIALIZED SKILL TRAINING</b>	<b>540,855</b>	<b>513,087</b>
Unjustified Program Growth		-30,968
Joint Electronic Warfare Training and Tactics Development		2,000
Continuing Education Distance Learning at Military Installations		1,200
<b>3B4K TRAINING SUPPORT</b>	<b>155,533</b>	<b>157,493</b>
Institute for Threat Reduction and Response FCCJ		1,200
Partnership for the Maintenance of Trauma and Readiness Surgery Skills		760
<b>3C1L RECRUITING AND ADVERTISING</b>	<b>272,498</b>	<b>272,798</b>
Naval Cadet Corps		300
<b>3C3I OFF-DUTY AND VOLUNTARY EDUCATION</b>	<b>163,077</b>	<b>164,277</b>
Mobile Distance Learning for Military Personnel		800
Energy Education Accreditation for Military Personnel		400
<b>3C4I CIVILIAN EDUCATION AND TRAINING</b>	<b>95,959</b>	<b>101,559</b>
Center for Defense Technology and Education for the Military Services		5,600
<b>4A1M ADMINISTRATION</b>	<b>735,822</b>	<b>729,622</b>
DFAS Unjustified Program Growth		-7,000
SPAWAR Systems Center		800
<b>4B2N PLANNING, ENGINEERING AND DESIGN</b>	<b>240,991</b>	<b>241,991</b>
U.S. Navy Mobile Condition Assessment System Pilot for Commander, Navy Region Mid-Atlantic (CNRMA)		1,000
<b>4C1P NAVAL INVESTIGATIVE SERVICE</b>	<b>504,649</b>	<b>494,449</b>
Unjustified Growth for Security Clearance Investigations		-15,000
Digitization, Integration, and Analyst Access of Investigative Files, Naval Criminal Investigative Services		4,800
<b>999 OTHER PROGRAMS</b>	<b>557,618</b>	<b>556,818</b>
Classified Programs		-800
<b>5% REDUCTION IN CONTRACT SERVICES</b>		<b>-137,066</b>

## COMBATANT COMMANDER RESIDUAL FUNDING

In the fiscal year 2009 budget request, each Service created two new budget line items to track combatant commander (COCOM) resources. According to the fiscal year 2008 budget, COCOM funding for the Navy to support Joint Forces Command and Pacific Command was budgeted in line 1C6C Combat Support Forces in the amount of \$398,000,000 for fiscal year 2009. However, the fiscal year 2009 budget only transferred \$378,000,000 to the new budget lines. Therefore, line 1C6C Combat Support Forces is overstated and is reduced by \$20,000,000. The reduction shall not be applied to COCOM resources.

## NAVAL SHIPYARD WORKFORCE DEVELOPMENT PROGRAMS

There is concern about the challenges to recruit and retain qualified personnel at the Navy shipyards. It is becoming increasingly difficult to attract and retain engineers into the public sector primarily because of the benefits offered to engineers in the private sector and because the shipyards do not have the necessary programs and incentives to groom executive management and leadership skills to further workforce development. There is strong support for the Naval Apprenticeship Program, which has the potential to contribute to the workforce in other positions if provided opportunities and incentives. Therefore, the Navy is directed to establish programs to provide opportunities and financial incentives for top performers to receive four-year engineering degrees, executive management training certificates, and business school degrees. Programs similar to the apprenticeship program can help stave off the impending steep decline in personnel at the shipyards and ensure a more stable workforce. The Navy is directed to work with each shipyard and the respective local educational institutions to craft these programs and report to the House and the Senate Committees on Appropriations by April 30, 2009, on a plan for implementation.

## NAVAL SHIPYARD APPRENTICE PROGRAM

During fiscal year 2009, the Navy shall induct classes of no fewer than 100 apprentices, respectively, at each of the naval shipyards. The Navy is directed to include the costs of the fiscal year 2010 class of apprentices in its budget request.

## U.S. COAST GUARD

Department of Defense regulations currently restrict mission appropriated activities from offering reimbursable rates to non-Department of Defense agencies. This restriction forces the Navy to charge the U.S. Coast Guard fully-burdened rates for drydocking services at Navy shipyards rather than reimbursable rates. Therefore, the Navy may use funds appropriated under operation and maintenance to pay the cost to dry dock U.S. Coast Guard ships at Naval shipyards.



OPERATION AND MAINTENANCE, MARINE CORPS

For Operation and Maintenance, Marine Corps, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
9250 OPERATION AND MAINTENANCE, MARINE CORPS			
9300 BUDGET ACTIVITY 1: OPERATING FORCES			
9350 EXPEDITIONARY FORCES			
9400 OPERATIONAL FORCES.....	759,814	752,614	-7,200
9450 FIELD LOGISTICS.....	611,660	582,460	-29,200
9500 DEPOT MAINTENANCE.....	86,422	78,922	-7,500
9550 USMC PREPOSITIONING			
9600 MARITIME PREPOSITIONING.....	73,725	73,725	---
9650 NORWAY PREPOSITIONING.....	5,217	5,217	---
9700 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	803,530	803,530	---
9750 BASE OPERATING SUPPORT.....	1,940,671	1,944,221	+3,550
9800 TOTAL, BUDGET ACTIVITY 1.....	4,281,039	4,240,689	-40,350
9850 BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
9900 ACCESSION TRAINING			
9950 RECRUIT TRAINING.....	15,361	15,361	---
10000 OFFICER ACQUISITION.....	411	411	---
10050 BASIC SKILLS AND ADVANCED TRAINING			
10100 SPECIALIZED SKILLS TRAINING.....	56,106	56,106	---
10150 FLIGHT TRAINING.....	361	361	---
10200 PROFESSIONAL DEVELOPMENT EDUCATION.....	22,882	22,882	---
10250 TRAINING SUPPORT.....	312,339	312,339	---
10300 RECRUITING AND OTHER TRAINING EDUCATION			
10350 RECRUITING AND ADVERTISING.....	238,900	238,900	---
10400 OFF-DUTY AND VOLUNTARY EDUCATION.....	64,080	64,080	---
10450 JUNIOR ROTC.....	17,740	17,740	---
10500 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	55,737	55,737	---
10550 BASE OPERATING SUPPORT.....	155,530	155,530	---
10600 TOTAL, BUDGET ACTIVITY 3.....	939,447	939,447	---

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
10650 BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
10700 SERVICEWIDE SUPPORT			
10750 SPECIAL SUPPORT.....	282,043	279,287	-2,756
10800 SERVICEWIDE TRANSPORTATION.....	30,662	30,662	---
10850 ADMINISTRATION.....	45,545	45,545	---
10900 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	3,169	3,169	---
10950 BASE OPERATING SUPPORT.....	15,349	15,349	---
-----			
11000 TOTAL, BUDGET ACTIVITY 4.....	376,768	374,012	-2,756
11020 CONTRACT SERVICES 5 PERCENT REDUCTION.....	---	-34,916	-34,916
=====			
11400 TOTAL, OPERATION AND MAINTENANCE, MARINE CORPS. ....	5,597,254	5,519,232	-78,022

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1		Budget Request	Recommendation
1A1A	<b>OPERATIONAL FORCES</b>	<b>759,814</b>	<b>752,614</b>
	Training Transformation Transfer Not Accounted For		-22,000
	Ultra Lightweight Camouflage Net System (ULCANS)		2,400
	Rapid Deployable Shelters (RDS) or Modular General Purpose		
	Tent System (MGPTS) Type III		1,600
	Cold Weather Layering System (CWLS)		2,400
	Acclimate Flame Resistant High Performance Base Layers		1,600
	Advanced Load Bearing Equipment		1,600
	Combat Desert Jacket		4,000
	Lightweight Maintenance Enclosure		1,200
1A2A	<b>FIELD LOGISTICS</b>	<b>611,660</b>	<b>582,460</b>
	Removal of One-time Congressional Increases		-4,200
	General Staff and Management		-25,000
1A3A	<b>DEPOT MAINTENANCE</b>	<b>86,422</b>	<b>78,922</b>
	Decrease in Automotive Units for FY 09		-7,500
B8S1	<b>BASE OPERATING SUPPORT</b>	<b>1,940,671</b>	<b>1,944,221</b>
	Transfer to DoDDEA (O&MDW line 200) for the Bolden School at		
	Camp Lejune		-850
	Telecom Upgrade to MCBH		3,600
	US Marine Corps Installation Access Enterprise Solution Project		800
4A2G	<b>SPECIAL SUPPORT</b>	<b>282,043</b>	<b>279,287</b>
	DFAS		-2,756
	<b>5% REDUCTION IN CONTRACT SERVICES</b>		<b>-34,916</b>

OPERATION AND MAINTENANCE, AIR FORCE

For Operation and Maintenance, Air Force, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
12000 OPERATION AND MAINTENANCE, AIR FORCE			
12050 BUDGET ACTIVITY 1: OPERATING FORCES			
12100 AIR OPERATIONS			
12150 PRIMARY COMBAT FORCES.....	4,158,181	3,756,081	-402,100
12200 PRIMARY COMBAT WEAPONS.....	290,744	290,744	---
12250 COMBAT ENHANCEMENT FORCES.....	680,109	683,409	+3,300
12300 AIR OPERATIONS TRAINING.....	1,545,613	1,546,413	+800
12350 COMBAT COMMUNICATIONS.....	1,711,951	1,664,951	-47,000
12400 DEPOT MAINTENANCE.....	2,751,194	2,379,594	-371,600
12450 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	1,142,947	1,160,447	+17,500
12500 BASE OPERATING SUPPORT.....	2,434,047	2,445,437	+11,390
12550 COMBAT RELATED OPERATIONS			
12600 GLOBAL C3I AND EARLY WARNING.....	1,167,875	1,134,675	-33,200
12650 NAVIGATION/WEATHER SUPPORT.....	277,681	275,681	-2,000
12700 OTHER COMBAT OPERATIONS SUPPORT PROGRAMS.....	674,169	674,169	---
12800 MANAGEMENT/OPERATIONAL HEADQUARTERS.....	215,775	224,575	+8,800
12850 TACTICAL INTELLIGENCE AND SPECIAL ACTIVITIES.....	546,822	546,822	---
12900 SPACE OPERATIONS			
12950 LAUNCH FACILITIES.....	340,385	340,385	---
13000 LAUNCH VEHICLES.....	33,390	33,390	---
13050 SPACE CONTROL SYSTEMS.....	228,617	228,617	---
13100 SATELLITE SYSTEMS.....	91,067	91,067	---
13150 OTHER SPACE OPERATIONS.....	326,784	326,784	---
13200 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	191,764	191,764	---
13250 BASE SUPPORT.....	675,821	675,821	---
13260 COMBATANT COMMANDERS DIRECT MISSION SUPPORT.....	626,787	626,787	---
13270 COMBATANT COMMANDERS CORE OPERATIONS.....	195,714	195,714	---
13300 TOTAL, BUDGET ACTIVITY 1.....	20,307,437	19,493,327	-814,110

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
13350 BUDGET ACTIVITY 2: MOBILIZATION			
13400 MOBILITY OPERATIONS			
13450 AIRLIFT OPERATIONS.....	3,228,790	3,291,290	+62,500
13500 AIRLIFT OPERATIONS C3I.....	91,392	91,392	---
13550 MOBILIZATION PREPAREDNESS.....	181,713	181,713	---
13600 PAYMENTS TO TRANSPORTATION BUSINESS AREA.....	308,895	307,681	-1,214
13650 DEPOT MAINTENANCE.....	378,429	378,429	---
13700 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	242,505	258,505	+16,000
13750 BASE SUPPORT.....	622,960	622,960	---
-----			
13800 TOTAL, BUDGET ACTIVITY 2.....	5,054,684	5,131,970	+77,286
-----			
13850 BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
13900 ACCESSION TRAINING			
13950 OFFICER ACQUISITION.....	88,547	89,587	+1,040
14000 RECRUIT TRAINING.....	16,557	16,557	---
14050 RESERVE OFFICER TRAINING CORPS (ROTC).....	108,730	108,730	---
14100 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	79,052	79,836	+784
14150 BASE SUPPORT (ACADEMIES ONLY).....	95,807	95,807	---
14200 BASIC SKILLS AND ADVANCED TRAINING			
14250 SPECIALIZED SKILL TRAINING.....	420,590	423,790	+3,200
14300 FLIGHT TRAINING.....	948,787	951,987	+3,200
14350 PROFESSIONAL DEVELOPMENT EDUCATION.....	178,749	181,149	+2,400
14400 TRAINING SUPPORT.....	114,435	114,435	---
14450 DEPOT MAINTENANCE.....	14,711	14,711	---
14500 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	223,960	224,760	+800
14550 BASE OPERATING SUPPORT (OTHER TRAINING).....	648,618	648,618	---
14600 RECRUITING, AND OTHER TRAINING AND EDUCATION			
14650 RECRUITING AND ADVERTISING.....	196,140	136,140	-60,000
14700 EXAMINING.....	5,242	5,242	---
14750 OFF DUTY AND VOLUNTARY EDUCATION.....	206,608	206,608	---
14800 CIVILIAN EDUCATION AND TRAINING.....	161,089	164,689	+3,600
14850 JUNIOR ROTC.....	74,558	74,558	---
-----			
14900 TOTAL, BUDGET ACTIVITY 3.....	3,582,180	3,537,204	-44,976

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
14950 BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
15000 LOGISTICS OPERATIONS			
15050 LOGISTICS OPERATIONS.....	917,794	888,845	-28,949
15100 TECHNICAL SUPPORT ACTIVITIES.....	666,546	668,146	+1,600
15150 SERVICEWIDE TRANSPORTATION.....	295,355	295,355	---
15200 DEPOT MAINTENANCE.....	68,869	68,869	---
15250 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	313,182	313,182	---
15300 BASE SUPPORT.....	1,192,616	1,195,016	+2,400
15350 SERVICEWIDE ACTIVITIES			
15400 ADMINISTRATION.....	226,665	226,665	---
15450 SERVICEWIDE COMMUNICATIONS.....	576,493	576,493	---
15500 PERSONNEL PROGRAMS.....	231,919	231,919	---
15550 ARMS CONTROL.....	38,669	38,669	---
15600 OTHER SERVICEWIDE ACTIVITIES.....	851,904	849,176	-2,728
15650 OTHER PERSONNEL SUPPORT.....	23,851	23,851	---
15700 CIVIL AIR PATROL CORPORATION.....	24,445	26,605	+2,160
15750 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	51,377	51,377	---
15800 BASE OPERATING SUPPORT.....	358,164	358,164	---
15850 SECURITY PROGRAMS			
15900 SECURITY PROGRAMS.....	1,085,224	1,068,495	-16,729
15950 SUPPORT TO OTHER NATIONS			
16000 INTERNATIONAL SUPPORT.....	35,113	35,113	---
-----			
16050 TOTAL, BUDGET ACTIVITY 4.....	6,958,186	6,915,940	-42,246
17280 CONTRACT SERVICES 5 PERCENT REDUCTION.....	---	-212,477	-212,477
=====			
17350 TOTAL, OPERATION AND MAINTENANCE, AIR FORCE.....	35,902,487	34,865,964	-1,036,523



EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Recommendation
<b>011A PRIMARY COMBAT FORCES</b>	<b>4,158,181</b>	<b>3,756,081</b>
Unexecutable Peacetime Operations Due to Deployments		-450,000
B-52 Flying Hours		47,900
<b>011C COMBAT ENHANCEMENT FORCES</b>	<b>680,109</b>	<b>683,409</b>
O&M for 14 SIGINT Pods for Conventional Support		3,300
<b>011D AIR OPERATIONS TRAINING</b>	<b>1,545,613</b>	<b>1,546,413</b>
Aircrew Life Support Equipment RFID Initiative		800
<b>011E COMBAT COMMUNICATIONS</b>	<b>1,711,951</b>	<b>1,664,951</b>
Unjustified growth in C3I program		-47,000
<b>011M DEPOT MAINTENANCE</b>	<b>2,751,194</b>	<b>2,379,594</b>
Unjustified Request for F-15 Maintenance		-422,000
B-52 Depot Maintenance		48,000
USAF Engine Trailer Life Extension Program		2,400
<b>011R FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>	<b>1,142,947</b>	<b>1,160,447</b>
Eielson Utilidors		9,000
Electrical Distribution Upgrade at Hickam		8,500
<b>011Z BASE OPERATING SUPPORT</b>	<b>2,434,047</b>	<b>2,445,437</b>
Unjustified growth in C3I program		-27,250
11th Air Force Consolidated Command Center		10,000
11th Air Force Critical Communications Infrastructure		3,200
Alaska Land Mobile Radio		2,900
Alaskan NORAD Region Communications Survivability and Diversity		3,800
Eielson Air Force Base Coal-to-Liquid Initiative		5,000
Joint National Training Capability-Red Flag/Northern Edge Pacific		
Alaska Range Complex Environmental Assessment		3,300
Joint National Training Capability-Red Flag/Northern Edge Training Range Enhancements		8,600
Land Mobile Radios (LMR)		1,600
Department of Defense Wage Issues Modification for USFORAZORES Portuguese National Employees		240
<b>012A GLOBAL C3I AND EARLY WARNING</b>	<b>1,167,875</b>	<b>1,134,675</b>
Unjustified growth in C3I program		-36,000
National Security Space Institute		2,800
<b>012B NAVIGATION/WEATHER SUPPORT</b>	<b>277,681</b>	<b>275,681</b>
Unjustified growth in C3I program		-2,000
<b>012E MANAGEMENT/OPERATIONAL HEADQUARTERS</b>	<b>215,775</b>	<b>224,575</b>
Program to Increase Minority Contracting in Defense (PIMCID)		5,600
National Center for Integrated Civilian-Military Domestic Disaster (Yale New Haven Health Systems)		3,200

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Recommendation
<b>021A AIRLIFT OPERATIONS</b>	<b>3,228,790</b>	<b>3,291,290</b>
KC-135 Engines		46,500
KC-135 Logistics Support		16,000
<b>021E PAYMENTS TO TRANSPORTATION BUSINESS AREA</b>	<b>308,895</b>	<b>307,681</b>
Civilian Personnel		-1,214
<b>021R FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>	<b>242,505</b>	<b>258,505</b>
C-17 Assault Landing Zone		16,000
<b>031A OFFICER ACQUISITION</b>	<b>88,547</b>	<b>89,587</b>
Diversity Recruitment for Air Force Academy		440
Center for Space and Defense Studies		600
<b>031R FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>	<b>79,052</b>	<b>79,836</b>
Revitalize Buckley AFB Small Arms Training Range		784
<b>032A SPECIALIZED SKILL TRAINING</b>	<b>420,590</b>	<b>423,790</b>
Engineering Training and Knowledge Preservation System		1,600
Military Medical Training and Disaster Response Program for Luke Air Force Base		1,600
<b>032B FLIGHT TRAINING</b>	<b>948,787</b>	<b>951,987</b>
Minority Aviation Training		3,200
<b>032C PROFESSIONAL DEVELOPMENT EDUCATION</b>	<b>178,749</b>	<b>181,149</b>
Defense Critical Languages and Cultures Initiative - Angelo State University		2,400
<b>032R FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>	<b>223,960</b>	<b>224,760</b>
Barry M. Goldwater Range Upgrades		800
<b>033A RECRUITING AND ADVERTISING</b>	<b>196,140</b>	<b>136,140</b>
Public Outreach Program		-60,000
<b>033D CIVILIAN EDUCATION AND TRAINING</b>	<b>161,089</b>	<b>164,689</b>
MacDill AFB Online Technology Program		1,600
Online Technology Training Program at Nellis Air Force Base		2,000
<b>041A LOGISTICS OPERATIONS</b>	<b>917,794</b>	<b>888,845</b>
Expeditionary Combat Support System		-5,499
Advanced Ultrasonic Inspection of Aging Aircraft Structures		1,250
Mission Critical Power System Reliability Surveys		1,200
Transfer of Synthetic Fuel funding to Research, Development, Testing & Evaluation, Air Force		-25,900
<b>042B TECHNICAL SUPPORT ACTIVITIES</b>	<b>668,546</b>	<b>668,146</b>
Expert Knowledge Transfer		1,600

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Recommendation
<b>041Z BASE SUPPORT</b>	<b>1,192,616</b>	<b>1,195,016</b>
Demonstration Project for Contractors Employing Persons with Disabilities		2,400
<b>042G OTHER SERVICEWIDE ACTIVITIES</b>	<b>851,904</b>	<b>849,176</b>
Removal of One-time FY 2008 Cost for Military Flight Operations Quality Assurance		-8,528
Brown Tree Snake Control and Invasive Species Management at Andersen Air Force Base, Guam		400
Combined Mishap Reduction System		1,600
Engine Health Management Plus Data Repository Center		3,000
Military Legal Assistance Clinic		800
<b>041I CIVIL AIR PATROL CORPORATION</b>	<b>24,445</b>	<b>26,605</b>
Alaska Civil Air Patrol Strategic Upgrades and Training		800
Civil Air Patrol		1,360
<b>043A SECURITY PROGRAMS</b>	<b>1,085,224</b>	<b>1,068,495</b>
Classified Programs		-17,529
ANG Munitions Security Fence		800
<b>5% REDUCTION IN CONTRACT SERVICES</b>		<b>-212,477</b>

**GRAND FORKS AIR FORCE BASE, NORTH DAKOTA, INFRASTRUCTURE**

The January 2008 United States Air Force Weapons Systems Roadmap anticipates a future KC-X tanker mission at Grand Forks Air Force Base after the departure of the base's current fleet of KC-135R tankers. Thus, the Air Force is directed to prepare a report which recommends the best way to keep the base and its associated infrastructure viable until the potential arrival of KC-X tanker aircraft so it does not have to rebuild or recreate facilities and capabilities that now exist. This report shall be provided to the House and the Senate Committees on Appropriations within 90 days of enactment of this Act.

**OPERATION AND MAINTENANCE, DEFENSE-WIDE**

For Operation and Maintenance, Defense-Wide, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
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18000 OPERATION AND MAINTENANCE, DEFENSE-WIDE			
18050 BUDGET ACTIVITY 1: OPERATING FORCES			
18100 JOINT CHIEFS OF STAFF.....	406,141	357,636	-48,505
18200 SPECIAL OPERATIONS COMMAND.....	3,652,060	3,758,460	+106,400
18250 TOTAL, BUDGET ACTIVITY 1.....	4,058,201	4,116,096	+57,895
18400 BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
18450 DEFENSE ACQUISITION UNIVERSITY.....	120,726	116,446	-4,280
18650 NATIONAL DEFENSE UNIVERSITY.....	79,960	86,360	+6,400
18750 TOTAL, BUDGET ACTIVITY 3.....	200,686	202,806	+2,120
18800 BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
18950 CIVIL MILITARY PROGRAMS.....	107,987	130,987	+23,000
19000 DEFENSE BUSINESS TRANSFORMATION AGENCY.....	156,652	150,852	-5,800
19050 DEFENSE CONTRACT AUDIT AGENCY.....	418,006	418,006	---
19150 DEFENSE INFORMATION SYSTEMS AGENCY.....	1,227,626	1,199,626	-28,000
19250 DEFENSE LEGAL SERVICES AGENCY.....	31,905	32,305	+400
19300 DEFENSE LOGISTICS AGENCY.....	345,838	358,838	+13,000
19350 DEFENSE MEDIA ACTIVITY.....	213,808	213,808	---
19400 DEFENSE POW /MISSING PERSONS OFFICE.....	16,731	16,731	---
19450 DEFENSE TECHNOLOGY SECURITY AGENCY.....	33,468	33,468	---
19500 DEFENSE THREAT REDUCTION AGENCY.....	355,331	355,331	---
19600 DEPARTMENT OF DEFENSE DEPENDENTS EDUCATION.....	2,007,089	1,701,939	-305,150
19610 FAMILY ADVOCACY PROGRAM.....	---	410,000	+410,000
19700 DEFENSE HUMAN RESOURCES ACTIVITY.....	557,029	536,829	-20,200
19750 DEFENSE CONTRACT MANAGEMENT AGENCY.....	1,066,462	1,066,462	---
19850 DEFENSE SECURITY COOPERATION AGENCY.....	880,024	630,024	-250,000
19950 DEFENSE SECURITY SERVICE.....	452,531	452,531	---
20050 OFFICE OF ECONOMIC ADJUSTMENT.....	50,654	155,634	+104,980
20100 OFFICE OF THE SECRETARY OF DEFENSE.....	1,709,174	1,714,607	+5,433
20250 WASHINGTON HEADQUARTERS SERVICES.....	519,508	508,408	-11,100
20350 TOTAL, BUDGET ACTIVITY 4.....	10,149,823	10,086,386	-63,437

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
20400 IMPACT AID.....	---	40,000	+40,000
20450 IMPACT AID FOR CHILDREN WITH DISABILITIES.....	---	4,000	+4,000
20500 OTHER PROGRAMS.....	11,683,154	11,483,178	-199,976
20900 SOLDIER CENTER AT PATRIOT PARK, FT. BENNING.....	---	4,800	+4,800
20950 MILITARY INTELLIGENCE SERVICE HISTORIC LEARNING CENTER	---	1,000	+1,000
20955 ROLE OF CONTRACTORS IN DEPARTMENT OF DEFENSE.....	---	1,200	+1,200
21550 TOTAL, OPERATION AND MAINTENANCE, DEFENSE-WIDE.....	26,091,864	25,939,466	-152,398

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

	<b>Budget Request</b>	<b>Recommendation</b>
<b>BUDGET ACTIVITY 1: OPERATING FORCES</b>		
<b>JOINT CHIEFS OF STAFF</b>	406,141	357,636
Combatant Commander's Initiative Fund		-25,000
C4I for the Warrior		-5
Joint Staff Analytical Support		-5,000
Adaptive Planning Transfer Not Properly Accounted For		-18,500
<b>SPECIAL OPERATIONS COMMAND</b>	3,652,060	3,758,460
Continuation of additional FY 08 GWOT ISR Processing, Exploitation and Dissemination, PED Support		80,000
SOF Deployable Nodes/Tac Assured Connectivity System		30,000
DCGS-SOF		1,000
O&M for Manned FMV/SIGNINT a/c		7,000
O&M for Increased Crew Ratio for RC-26 Fleet		3,600
Removal of One-Time FY 2008 Increase		2,000
Special Operations Forces Modular Glove System		-20,000
SOCOM Enterprise-wide Data and Knowledge Management System		800
SOCOM Care Coalition Recovery Programs (Note: only to be used for new initiatives)		800
		1,200
<b>BUDGET ACTIVITY 3: TRAINING AND RECRUITING</b>		
<b>DEFENSE ACQUISITION UNIVERSITY</b>	120,726	116,446
Curriculum Development Reduce Program Growth		-2,000
Knowledge Sharing Reduce Program Growth		-2,280
<b>NATIONAL DEFENSE UNIVERSITY</b>	79,960	86,360
National Security Education Program		6,400
<b>BUDGET ACTIVITY 4: ADMIN &amp; SERVICEWIDE ACTIVITIES</b>		
<b>CIVIL MILITARY PROGRAMS</b>	107,987	130,987
National Guard Youth Challenge Program		20,000
Camp Carroll Challenge Infrastructure Improvements		3,000
<b>DEFENSE BUSINESS TRANSFORMATION AGENCY</b>	156,652	150,852
Electronic Commerce Transfer Not Accounted For		-5,800
<b>DEFENSE INFORMATION SYSTEMS AGENCY</b>	1,227,626	1,199,626
NECC		-25,000
Cybersecurity Initiative		-3,000
<b>DEFENSE LEGAL SERVICES AGENCY</b>	31,905	32,305
Clinic for Legal Assistance to Servicemembers		400
<b>DEFENSE LOGISTICS AGENCY</b>	345,838	358,838
Commercial Technologies for Maintenance Activities		4,000
Procurement Technical Assistance Centers		9,000

	Budget Request	Recommendation
<b>DEFENSE DEPENDENTS EDUCATION</b>	2,007,089	1,701,939
Transfer from Marine Corps Base Operating Support		850
Family Advocacy Program (Transfer to new subactivity group)		-308,000
Web-based Adaptive Diagnostic Assessment for Students (WADAS)		2,000
<b>FAMILY ADVOCACY PROGRAM (includes transfer from Defense Dependents Education)</b>		410,000
ALCOM Child Care Support for Deployed Forces		2,000
<b>DEFENSE HUMAN RESOURCES ACTIVITY</b>	557,029	536,829
Joint Advertising, Market Research and Studies		
Reduce Program Growth	41,000	-5,000
Defense Language Office Reduce Program Growth	49,101	-20,000
Translation and Interpretation Skills for DoD		1,600
Defense Critical Languages and Cultures Program at University of Montana		1,600
Strategic Language Initiative		1,600
<b>DEFENSE SECURITY COOPERATION AGENCY</b>	880,024	630,024
Global Train and Equip (1206)		-150,000
Security and Stabilization (1207)		-100,000
<b>OFFICE OF ECONOMIC ADJUSTMENT</b>	50,654	155,634
Restoration of Centerville Beach Naval Facility		6,400
Former March AFB Building Demo -- NE Corner		1,200
Thorium/Magnesium Excavation - Blue Island		1,200
Norton AFB (New and Existing Infrastructure Improvements)		4,800
McClellan AFB Infrastructure Improvements		2,400
Hunters Point Naval Shipyard Remediation		9,300
Frankford Arsenal Environmental Assessment and Remediation		1,600
Delaware Valley Continuing Education Initiative for National Guard and Reserve		800
Phase II of Stabilization/Repair of MOTBY Ship Repair Facility		6,800
Supplier Network Training Program		480
Joint Tanana Range Access		60,000
Intermodal Marine Facility - Port of Anchorage		10,000
<b>OFFICE OF THE SECRETARY OF DEFENSE</b>	1,709,174	1,714,607
Security Policy Automation Network (CIO)		-11,200
Policy: Strategic Communication & Integration		-3,067
Contractor Support Program Growth		-15,000
AT&L: Defense Industrial Base Unjustified Growth		-1,000
CAIG Study, National Security Space Industrial Base		4,000
Congressionally-directed Strategic Bandwidth Study		4,000
Office of the Secretary, Undistributed:		
Middle East Regional Security Program		2,800
Critical Language Training, SDSU		1,600
Readiness and Environmental Protection Initiative		16,000
East Asian Security Studies Program (note: only for intelligence and national security purposes)		800
Aircraft Logging and Event Recording for Training Safety (ALERTS)		1,600
Phased Redeployment Study		2,400
Troops to Pilots Demonstration Program		2,500



	Budget Request	Recommendation
<b>WASHINGTON HEADQUARTERS SERVICES</b>	519,508	508,408
Removal of One-time FY 2008 Increase		-20,200
Commission on Wartime Contracting		9,100
<b>IMPACT AID</b>		40,000
<b>IMPACT AID FOR CHILDREN WITH DISABILITIES</b>		4,000
<b>OTHER PROGRAMS</b>	11,683,154	11,454,378
Classified Programs		-257,576
Geospatial Intelligence Analysis Education		1,000
Passive and Active Ground/Airborne SIGINT		1,800
Storage, Movement, and Access to FMV Data		26,000
<b>UNDISTRIBUTED</b>		7,000
Soldier Center at Patriot Park, Ft. Benning		4,800
Military Intelligence Service Historic Learning Center (note: only for DoD facility maintenance and preservation)		1,000
Role of Contractors and Contract Support in DoD		1,200

## U.S. AFRICA COMMAND

A stable, secure Africa is strategically important to the United States and our allies. The creation of U.S. Africa Command (AFRICOM) is a first-step in developing a persistent, cohesive U.S. policy toward that continent. However, AFRICOM's current funding, staffing and organizational configuration place a disproportionate burden of U.S. policy in Africa on the Department of Defense (DoD).

While armed conflict, terrorism, piracy and trafficking pose real security threats to African stability that can be mitigated by closer military ties between the U.S. and our African partners, many of the challenges facing Africa today require diplomatic, economic, humanitarian and development tools of other, non-DoD U.S. agencies. Calming political unrest, building civil society, consolidating democratic achievements, expanding economic growth, addressing humanitarian crises, preventing the spread of HIV/AIDS and caring for its victims require a robust inter-agency and international approach.

Some of the U.S. partners in Africa have also signaled their discomfort with the military-first approach embodied by AFRICOM. Of the dozen nations asked to host AFRICOM's headquarters or one of the five planned Regional Integration Team (RIT) offices, few have expressed public interest. Despite repeated assurances from the Secretary of Defense, the people and governments of friendly African nations believe that AFRICOM potentially represents a permanent U.S. military presence on the continent.

While the creation of AFRICOM is a crucial first-step in establishing a strategic U.S. policy toward Africa, the current inter-agency division of labor is not optimal for meeting U.S. long term goals. The Department of Defense should work within the inter-agency process to correct the alignment of U.S. human and financial resources to more effectively support the emergence of a stable, secure, successful and democratic Africa. The Department of State and the U.S. Agency for International Development should also play a more significant role in this new organization supported with the appropriate funding and manpower required.

In the mean time, the Secretary of Defense, in coordination with the Secretary of State and the Administrator of the U.S. Agency for International Development, is directed to provide a report, no later than April 1, 2009, to the congressional defense committees, on how AFRICOM's mission, staffing, and inter-agency composition can be optimized to create an organization better equipped to meet these policy objectives. The report should also include current thinking on AFRICOM's presence in Africa and any plans related to the permanent location of AFRICOM assets or personnel on the continent.

## MILITARY TIRES

The Department of Defense Appropriations Act, 2008 (Public Law 110-116) directed the Defense Logistics Agency (DLA) to ensure that the military tire market remains a fair and competitive marketplace as DLA implements the tire privatization initiative required by the 2005 Base Realignment and Closure Act. Specifically,

the conferees directed DLA to “ensure that all tire manufacturers are on an equal footing in the competitive market with respect to information on tire demand and that, to the extent practicable under the existing contracts, new tire types are subject to fair and equal competition among qualified manufacturers.” There is concern that the DLA has not sufficiently complied with these requirements and the need to ensure that all tire manufacturers are provided access to the Government’s forecasts for future tire needs. Therefore, the Secretary of Defense is directed to report to the congressional defense committees by April 15, 2009, on what steps are being taken to maintain a fair and competitive marketplace for military tires.

#### DEFENSE CONTRACT MANAGEMENT AGENCY

In fiscal year 2008, Congress provided an additional \$14,000,000 to the Defense Contract Management Agency (DCMA) to eliminate planned reductions in full-time staff. This additional funding, which was designated a “congressional item of interest,” was nevertheless inappropriately subjected to an across-the-board funding reduction imposed by the Under Secretary of Defense, Comptroller. The Secretary of Defense is directed to provide a report to the congressional defense committees within 60 days of enactment of this Act addressing the following: the justification (if any) for this reduction; the impact of this reduction on the number of full-time DCMA staff; and the Department’s plan for restoring any full-time staff that may have been lost as a result of the Department’s failure to carry out the directive.

An additional \$52,000,000 was also provided to DCMA in the Fiscal Year 2008 Emergency Supplemental Appropriations Act for the purpose of hiring 250 full-time contract-management personnel. The Secretary is directed to include in the aforementioned report a spend plan for this additional funding, an assessment of future additional staffing requirements DCMA will have in order to ensure proper oversight and management of anticipated contracting work load, and a workforce plan for achieving the necessary staffing levels.

#### GLOBAL TRAIN AND EQUIP PROGRAM

For the Global Train and Equip Program, \$350,000,000 is provided under the Defense Security Cooperation Agency. This limited authority was designed as a pilot project to enhance our ongoing programs to train and equip allied nations’ counterterrorism efforts. Normally, the Department of State is tasked to perform this critical function, but the Department of Defense requested the ability to augment these efforts due to the Global War on Terror. Increasing the Nation’s counterterrorism efforts around the globe is strongly supported but the responsibility to train and equip foreign military forces should rest with the Department of State. The Administration should request funds for this purpose in the Department of State’s budget when this authority expires.

## FEDERAL PRISON INDUSTRIES

The Bureau of Prisons considers Federal Prison Industries (FPI) an important correctional tool that plays a critical role in reducing inmate recidivism and idleness. To ensure the success of the FPI program, United States Code (USC) Title 18, Chapter 307 requires Federal departments and agencies to purchase products from FPI “as meet their requirements and may be available”. However, Congress has expressed concern that this provision of law could impose on the Department of Defense a requirement to procure products that do not meet the needs of the Department in terms of price, quality and timeliness of delivery. To meet this concern, section 827 of the National Defense Authorization Act of Fiscal Year 2008 (Public Law 110–181) requires the Secretary to use competitive procedures for the procurement of certain products offered for sale by the FPI. The Secretary is directed to report to the congressional defense committees no later than 45 days after the enactment of this Act on a plan to implement this new requirement, consistent with the requirements of USC Title 18, Chapter 307, Section 4124(d).

## OIL REFINERIES

When making public contract announcements regarding the refining of fuel by U.S. companies, the U.S. Department of Defense should not provide the name of the country for which the fuel is being refined or the location of the facility that will refine the fuel.

## TROOPS TO PILOTS DEMONSTRATION PROGRAM

In 2007, Congress directed the Federal Aviation Administration to increase the mandatory retirement age for commercial airline pilots from age 60 to 65, temporarily alleviating the onset of a national pilot shortage. Although this action improved and maintained a legitimate working number of pilots in the civil industry, there remains a growing shortage of new pilots to take over for those who look to retire over the next decade. A potential option for replenishing the dwindling number of experienced aviators in the country would be to utilize retiring or discharged military aviators from military service to civil pilots. The Department of Defense has similar programs designed to ease service members’ transition to civilian life, such as Troops to Teachers, Troops to Nurses, and Helmets to Hardhats. Accordingly, \$2,500,000 is included for a demonstration program that will train and recruit retiring or discharged military aviators who wish to pursue a career in civilian aviation. This program should be conducted in a state that has a high per capita number of pilots as well as a sizeable military aviation presence. The program should also take into account heavy geographic reliance on aviation along with a robust aviation infrastructure, including academic institutions with expertise in piloting and aviation technology.

## OPERATION AND MAINTENANCE, ARMY RESERVE

For Operation and Maintenance, Army Reserve, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
21700 OPERATION AND MAINTENANCE, ARMY RESERVE			
21750 BUDGET ACTIVITY 1: OPERATING FORCES			
21800 LAND FORCES			
21850 MANEUVER UNITS.....	1,567	1,567	---
21900 MODULAR SUPPORT BRIGADES.....	16,419	16,419	---
21950 ECHELONS ABOVE BRIGADES.....	484,460	484,460	---
22000 THEATER LEVEL ASSETS.....	173,583	173,583	---
22050 LAND FORCES OPERATIONS SUPPORT.....	508,322	508,322	---
22100 AVIATION ASSETS.....	61,030	61,030	---
22150 LAND FORCES READINESS			
22200 FORCES READINESS OPERATIONS SUPPORT.....	254,901	254,901	---
22250 LAND FORCES SYSTEM READINESS.....	87,541	87,541	---
22300 DEPOT MAINTENANCE.....	108,191	108,191	---
22350 LAND FORCES READINESS SUPPORT			
22400 BASE OPERATIONS SUPPORT.....	548,086	549,686	+1,600
22450 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	255,912	255,912	---
22500 ADDITIONAL ACTIVITIES.....	13,531	12,416	-1,115
	-----	-----	-----
22600 TOTAL, BUDGET ACTIVITY 1.....	2,513,543	2,514,028	+485
22650 BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
22700 ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
22750 ADMINISTRATION.....	70,806	70,806	---
22800 SERVICEWIDE COMMUNICATIONS.....	6,189	6,189	---
22850 PERSONNEL/FINANCIAL ADMIN .....	8,491	8,491	---
22900 RECRUITING AND ADVERTISING.....	43,312	43,312	---
	-----	-----	-----
22950 TOTAL, BUDGET ACTIVITY 4.....	128,798	128,798	---
23420 CONTRACT SERVICES 5 PERCENT REDUCTION.....	---	-13,930	-13,930
	=====	=====	=====
23500 TOTAL, OPERATION AND MAINTENANCE, ARMY RESERVE.....	2,642,341	2,628,896	-13,445

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1		Budget Request	Recommendation
131	<b>BASE OPERATIONS SUPPORT</b>	548,086	549,686
	Aviation Support Facilities Expansion Program, Clearwater, FL		1,600
135	<b>ADDITIONAL ACTIVITIES</b>	13,531	12,416
	Travel		-1,115
	<b>5% REDUCTION IN CONTRACT SERVICES</b>		-13,930

OPERATION AND MAINTENANCE, NAVY RESERVE

For Operation and Maintenance, Navy Reserve, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
23650 OPERATION AND MAINTENANCE, NAVY RESERVE			
23700 BUDGET ACTIVITY 1: OPERATING FORCES			
23750 RESERVE AIR OPERATIONS			
23800 MISSION AND OTHER FLIGHT OPERATIONS.....	604,501	604,501	---
23850 INTERMEDIATE MAINTENANCE.....	16,083	16,083	---
23900 AIR OPERATIONS AND SAFETY SUPPORT.....	3,156	3,156	---
23950 AIRCRAFT DEPOT MAINTENANCE.....	144,515	144,515	---
24000 AIRCRAFT DEPOT OPERATIONS SUPPORT.....	427	427	---
24050 RESERVE SHIP OPERATIONS			
24100 MISSION AND OTHER SHIP OPERATIONS.....	55,920	55,920	---
24150 SHIP OPERATIONAL SUPPORT AND TRAINING.....	595	595	---
24200 SHIP DEPOT MAINTENANCE.....	62,629	62,629	---
24300 RESERVE COMBAT OPERATIONS SUPPORT			
24350 COMBAT COMMUNICATIONS.....	14,834	14,834	---
24400 COMBAT SUPPORT FORCES.....	122,567	122,567	---
24450 RESERVE WEAPONS SUPPORT			
24500 WEAPONS MAINTENANCE.....	5,385	5,385	---
24550 ENTERPRISE INFORMATION TECHNOLOGY.....	92,327	92,327	---
24600 BASE OPERATING SUPPORT			
24650 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	61,680	61,680	---
24700 BASE OPERATING SUPPORT.....	111,296	111,296	---
24800 TOTAL, BUDGET ACTIVITY 1.....	1,295,915	1,295,915	---
-----			
24850 BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
24900 ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
24950 ADMINISTRATION.....	3,341	3,341	---
25000 MILITARY MANPOWER & PERSONNEL.....	9,002	9,002	---
25050 SERVICEWIDE COMMUNICATIONS.....	2,396	2,396	---
25150 OTHER SERVICEWIDE SUPPORT.....	431	431	---
25250 TOTAL, BUDGET ACTIVITY 4.....	15,170	15,170	---
25270 CONTRACT SERVICES 5 PERCENT REDUCTION.....	---	-1,944	-1,944
25460 FY 08 FACT-OF-LIFE CHANGES NOT PROPERLY ACCOUNTED FOR.	---	-1,000	-1,000
=====			
25500 TOTAL, OPERATION AND MAINTENANCE, NAVY RESERVE.....	1,311,085	1,308,141	-2,944



EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[in thousands of dollars]

O-1	Budget Request	Recommendation
5% REDUCTION IN CONTRACT SERVICES		-1,944
FY 08 Fact-Of-Life Changes Not Properly Accounted For		-1,000

OPERATION AND MAINTENANCE, MARINE CORPS RESERVE

For Operation and Maintenance, Marine Corps Reserve, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
26000 OPERATION AND MAINTENANCE, MARINE CORPS RESERVE			
26050 BUDGET ACTIVITY 1: OPERATING FORCES			
26100 EXPEDITIONARY FORCES			
26150 OPERATING FORCES.....	54,848	54,848	---
26200 DEPOT MAINTENANCE.....	11,640	11,640	---
26250 TRAINING SUPPORT.....	29,296	29,296	---
26300 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	16,174	16,174	---
26350 BASE OPERATING SUPPORT.....	68,065	68,065	---
26400 TOTAL, BUDGET ACTIVITY 1.....	180,023	180,023	---
26450 BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
26500 ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
26550 SPECIAL SUPPORT.....	7,616	7,616	---
26600 SERVICEWIDE TRANSPORTATION.....	815	815	---
26650 ADMINISTRATION.....	11,316	11,316	---
26700 RECRUITING AND ADVERTISING.....	8,712	8,712	---
26750 BASE OPERATING SUPPORT.....	4,649	4,649	---
26800 TOTAL, BUDGET ACTIVITY 4.....	33,108	33,108	---
26820 CONTRACT SERVICES 5 PERCENT REDUCTION.....	---	-644	-644
	=====	=====	=====
27000 TOTAL, OPERATION & MAINTENANCE, MARINE CORPS RESERVE	213,131	212,487	-644

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[in thousands of dollars]

O-1	Budget Request	Recommendation
5% REDUCTION IN CONTRACT SERVICES		-644

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OPERATION AND MAINTENANCE, AIR FORCE RESERVE

For Operation and Maintenance, Air Force Reserve, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
28000 OPERATION AND MAINTENANCE, AIR FORCE RESERVE			
28050 BUDGET ACTIVITY 1: OPERATING FORCES			
28100 AIR OPERATIONS			
28150 PRIMARY COMBAT FORCES.....	2,150,860	2,033,860	-117,000
28200 MISSION SUPPORT OPERATIONS.....	115,971	115,971	---
28250 DEPOT MAINTENANCE.....	379,452	379,452	---
28300 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	92,969	92,969	---
28350 BASE OPERATING SUPPORT.....	277,350	277,350	---
28400 TOTAL, BUDGET ACTIVITY 1.....	3,016,602	2,899,602	-117,000
28450 BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
28500 ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
28550 ADMINISTRATION.....	71,059	71,059	---
28600 RECRUITING AND ADVERTISING.....	25,392	25,392	---
28650 MILITARY MANPOWER AND PERSONNEL MANAGEMENT.....	22,513	26,513	+4,000
28700 OTHER PERSONNEL SUPPORT.....	6,625	6,625	---
28750 AUDIOVISUAL.....	701	701	---
28800 TOTAL, BUDGET ACTIVITY 4.....	126,290	130,290	+4,000
28920 CONTRACT SERVICES 5 PERCENT REDUCTION.....	---	-2,541	-2,541
28940 REMOVAL OF ONE-TIME CONGRESSIONAL INCREASES AND			
28941 ONE COMPENSABLE DAY IN FY 09.....	---	-9,200	-9,200
=====			
29000 TOTAL, OPERATION AND MAINTENANCE, AIR FORCE RESERVE.	3,142,892	3,018,151	-124,741

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Recommendation
<b>011A PRIMARY COMBAT FORCES</b>	<b>2,150,860</b>	<b>2,033,860</b>
Correction in Flying Hour Cost		-117,000
<b>011R FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>	<b>92,969</b>	<b>92,969</b>
Increase Sustainment to 95% of Requirement		
<b>042K MILITARY MANPOWER AND PERSONNEL MANAGEMENT</b>	<b>22,513</b>	<b>26,513</b>
931st ARG Manning		4,000
<b>5% REDUCTION IN CONTRACT SERVICES</b>		<b>-2,541</b>
Removal of One Time Congressional Increases and One Less Compensable Day in FY 09		-9,200

OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD

For Operation and Maintenance, Army National Guard funds are to be available for fiscal year 2009, as follows:



(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
30000 OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD			
30050 BUDGET ACTIVITY 1: OPERATING FORCES			
30100 LAND FORCES			
30150 MANEUVER UNITS.....	905,866	903,266	-2,600
30200 MODULAR SUPPORT BRIGADES.....	159,765	159,765	---
30250 ECHELONS ABOVE BRIGADE.....	553,548	551,948	-1,600
30300 THEATER LEVEL ASSETS.....	267,183	265,583	-1,600
30350 LAND FORCES OPERATIONS SUPPORT.....	41,141	51,217	+10,076
30400 AVIATION ASSETS.....	852,986	852,986	---
30450 LAND FORCES READINESS			
30500 FORCE READINESS OPERATIONS SUPPORT.....	316,359	311,159	-5,200
30550 LAND FORCES SYSTEMS READINESS.....	120,210	119,210	-1,000
30600 LAND FORCES DEPOT MAINTENANCE.....	367,551	371,559	+4,008
30650 LAND FORCES READINESS SUPPORT			
30700 BASE OPERATIONS SUPPORT.....	756,579	760,899	+4,320
30750 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	500,933	503,333	+2,400
30800 MANAGEMENT & OPERATIONAL HEADQUARTERS.....	504,977	507,777	+2,800
30850 MISCELLANEOUS ACTIVITIES.....	87,089	72,989	-14,100
31000 TOTAL, BUDGET ACTIVITY 1.....	5,434,187	5,431,691	-2,496
31050 BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
31100 ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
31150 ADMINISTRATION.....	124,769	127,569	+2,800
31200 SERVICEWIDE COMMUNICATIONS.....	50,668	50,668	---
31250 MANPOWER MANAGEMENT.....	7,679	7,679	---
31300 RECRUITING AND ADVERTISING.....	258,243	258,243	---
31350 TOTAL, BUDGET ACTIVITY 4.....	441,359	444,159	+2,800
31990 ONE LESS COMPENSABLE DAY IN FY09.....	---	-5,000	-5,000
31995 CONTRACT SERVICES 5 PERCENT REDUCTION.....	---	-12,547	-12,547
=====	=====	=====	=====
32000 TOTAL, OPERATION & MAINTENANCE, ARMY NATIONAL GUARD.	5,875,546	5,858,303	-17,243

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Recommendation
<b>111 MANEUVER UNITS</b>	<b>905,866</b>	<b>903,266</b>
Removal of One-time Congressional Increases		-2,600
<b>113 ECHELONS ABOVE BRIGADE</b>	<b>553,548</b>	<b>551,948</b>
Removal of One-time Congressional Increases		-1,600
<b>114 THEATER LEVEL ASSETS</b>	<b>267,183</b>	<b>265,583</b>
Removal of One-time Congressional Increases		-2,400
Rescue Hooks/Strap Cutters		800
<b>115 LAND FORCES OPERATIONS SUPPORT</b>	<b>41,141</b>	<b>51,217</b>
Removal of One-time Congressional Increases		-1,000
Spray Technique Analysis and Research for Defense (STAR4D)		1,760
National Guard CST/CERFP Sustainment Training and Evaluation Program (STEP)		800
WMD - Civil Support Team for New York State		1,024
Vermont National Guard Readiness Equipment		792
Advanced Starting Systems		400
WMD - Civil Support Team for Florida		2,300
Expandable Light Air Mobility Shelters (ELAMS) and Contingency Response Communications System (CRCS)		4,000
<b>121 FORCE READINESS OPERATIONS SUPPORT</b>	<b>316,359</b>	<b>311,159</b>
Removal of One-time Congressional Increases		-23,000
Advanced Law Enforcement Rapid Response Training (ALERRT)		1,600
2nd Generation Extended Cold Weather Clothing System		3,200
Army National Guard Battery Modernization Program		2,400
Joint Interagency Training and Education Center		5,600
Rapid Data Management System (RDMS)		5,000
<b>122 LAND FORCES SYSTEMS READINESS</b>	<b>120,210</b>	<b>119,210</b>
Removal of One-time Congressional Increases		-5,000
Columbia Regional Geospatial Service Center System		4,000
<b>123 LAND FORCES DEPOT MAINTENANCE</b>	<b>367,551</b>	<b>371,559</b>
MK 19 Crew Served Weapons Systems Trainer (Engagement Skills Trainer 2000)		328
Joint Forces Orientation Distance Learning		2,400
Non-foam, Special Polymer Twin Hemisphere Pad Sets for Personnel Armor System for Ground Troops (PASGT) Helmet Retrofit Kits		1,280
<b>131 BASE OPERATIONS SUPPORT</b>	<b>756,579</b>	<b>760,899</b>
Removal of One-time Congressional Increases		-8,300
Exportable Combat Training Capability		3,500
Integrated Communications for Georgia National Guard Support for Civil Authorities		1,600
Family Support Regional Training Pilot Program		1,520
Pennsylvania National Guard Integration of the Joint CONUS Communications Support Environment (JCCSE)		2,000
Vermont Army National Guard Mobile Back-Up Power		800
Vermont Service Member, Veteran, and Family Member Outreach, Readiness, and Reintegration Program		3,200

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Recommendation
<b>132 FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>	<b>500,933</b>	<b>503,333</b>
Mobile Firearms Simulator and Facility Improvements		800
Border Joint Operations Emergency Preparedness Center		1,200
Jersey City Armory Dining Support Service Rehabilitation Project		400
<b>133 MANAGEMENT &amp; OPERATIONAL HEADQUARTERS</b>	<b>504,977</b>	<b>507,777</b>
Emergency Satellite Communications Packages (JISCC)		2,800
<b>135 ADDITIONAL ACTIVITIES</b>	<b>87,089</b>	<b>72,989</b>
Removal of One-time Congressional Increases		-25,000
Minnesota Beyond Yellow Ribbon Reintegration Program		2,000
Weapons Skills Trainer		3,000
Family Assistance Centers		1,600
Homeland Operations Planning System (HOPS)		2,800
Colorado National Guard Reintegration Program		1,000
Yellow Ribbon-Alaska National Guard		500
<b>431 ADMINISTRATION</b>	<b>124,769</b>	<b>127,569</b>
Advanced Trauma Training Course for the Illinois Army National Guard		2,400
National Guard Global Education Program		400
<b>5% REDUCTION IN CONTRACT SERVICES</b>		<b>-12,547</b>
One Less Compensable Day in FY 09		-5,000

OPERATION AND MAINTENANCE, AIR NATIONAL GUARD

For Operation and Maintenance, Air National Guard, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
33000 OPERATION AND MAINTENANCE, AIR NATIONAL GUARD			
33050 BUDGET ACTIVITY 1: OPERATING FORCES			
33100 AIR OPERATIONS			
33150 AIRCRAFT OPERATIONS.....	3,580,927	3,582,527	+1,600
33200 MISSION SUPPORT OPERATIONS.....	670,554	689,944	+19,390
33250 DEPOT MAINTENANCE.....	691,199	691,199	---
33300 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	300,101	305,501	+5,400
33350 BASE OPERATING SUPPORT.....	594,733	594,733	---
33400 TOTAL, BUDGET ACTIVITY 1.....	5,837,514	5,863,904	+26,390
33450 BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
33500 SERVICEWIDE ACTIVITIES			
33550 ADMINISTRATION.....	31,234	31,234	---
33600 RECRUITING AND ADVERTISING.....	10,828	20,828	+10,000
33650 TOTAL, BUDGET ACTIVITY 4.....	42,062	52,062	+10,000
34170 CONTRACT SERVICES 5 PERCENT REDUCTION.....	---	-4,922	-4,922
34190 ONE LESS COMPENSABLE DAY IN FY09.....	---	-10,000	-10,000
=====	=====	=====	=====
35000 TOTAL, OPERATION & MAINTENANCE, AIR NATIONAL GUARD..	5,879,576	5,901,044	+21,468

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1		Budget Request	Recommendation
011F	<b>AIRCRAFT OPERATIONS</b>	<b>3,580,927</b>	<b>3,582,527</b>
	MBU 20/P Oxygen Mask with Mask Light		800
	Vehicle Fuel Catalyst Retrofit		800
011G	<b>MISSION SUPPORT OPERATIONS</b>	<b>670,554</b>	<b>689,944</b>
	Technical Adjustment: Transfer to Recruiting and Advertising		-10,000
	Weapons Vaults Upgrade		200
	129th Air Rescue Wing Security Towers		200
	Atlantic Thunder Quarterly Joint Training Events at the Air National		
	Guard Savannah Combat Readiness Training Center		400
	Active Noise Reduction Headsets		800
	Controlled Humidity Protection (CHP)		1,600
	Crypto-Linguist/Intelligence Officer Initiative		640
	DART (DCGS Analysis and Reporting Team)		2,400
	Joint Interagency Training and Education Center		150
	National Guard and First Responder Resiliency Training		1,200
	UAV Technology Evaluation Program		3,000
	Unmanned Aerial System Mission Planning		400
	Scathe View		400
	Mobilize Non-Mobilized ANG for DCGS PED		10,000
	New England Disaster Training Center		8,000
011R	<b>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>	<b>300,101</b>	<b>305,501</b>
	Increase Sustainment to 95% of Requirement		
	Smoky Hill Range Access Road Improvements		1,600
	Smoky Hill Range Equipment		1,600
	Squadron Operations Facility Repair – Phase I		2,200
042J	<b>RECRUITING AND ADVERTISING</b>	<b>10,828</b>	<b>20,828</b>
	Technical Adjustment: Transfer from Mission Support Operations		10,000
	<b>5% REDUCTION IN CONTRACT SERVICES</b>		<b>-4,922</b>
	<b>One Less Compensable Day in FY 09</b>		<b>-10,000</b>

## OVERSEAS CONTINGENCY OPERATIONS TRANSFER ACCOUNT

For the Overseas Contingency Operations Transfer Account, no funds are provided for fiscal year 2009.

## UNITED STATES COURT OF APPEALS FOR THE ARMED FORCES

For the United States Court of Appeals for the Armed Forces, \$13,254,000 is provided for fiscal year 2009.

## ENVIRONMENTAL RESTORATION, ARMY

For Environmental Restoration, Army, \$457,776,000 is provided for fiscal year 2009.

## ENVIRONMENTAL RESTORATION, NAVY

For Environmental Restoration, Navy, \$290,819,000 is provided for fiscal year 2009.

## ENVIRONMENTAL RESTORATION, AIR FORCE

For Environmental Restoration, Air Force, \$496,277,000 is provided for fiscal year 2009.

## ENVIRONMENTAL RESTORATION, DEFENSE-WIDE

For Environmental Restoration, Defense-Wide, \$13,175,000 is provided for fiscal year 2009.

## ENVIRONMENTAL RESTORATION, FORMERLY USED DEFENSE SITES

For Environmental Restoration, Formerly Used Defense Sites, \$291,296,000 is provided for fiscal year 2009. The Department is urged to support on-going unexploded ordnance remediation programs in Vietnam. The adjustment to the budget for Environmental Restoration, Formerly Used Defense Sites is shown below:

Unexploded Ordnance Remediation .....	\$8,500,000
Other Unfunded Requirements .....	25,000,000

## OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID

For Overseas, Humanitarian, Disaster, and Civic Aid, \$83,273,000 is provided for fiscal year 2009.

## COOPERATIVE THREAT REDUCTION ACCOUNT

For the Cooperation Threat Reduction Account, \$434,135,000 is provided for fiscal year 2009. This appropriation is provided for the same purposes as prior year appropriations for the "Former Soviet Union Threat Reduction" account. The name change is being made to reflect the new, broader focus of the program.

## TITLE III—PROCUREMENT

For Procurement, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
SUMMARY			
ARMY			
AIRCRAFT.....	5,009,835	4,900,835	-109,000
MISSILES.....	2,211,460	2,185,060	-26,400
WEAPONS, TRACKED COMBAT VEHICLES.....	3,687,077	3,169,128	-517,949
AMMUNITION.....	2,275,791	2,287,398	+11,607
OTHER.....	11,367,926	10,684,014	-683,912
TOTAL, ARMY.....	24,552,089	23,226,435	-1,325,654
NAVY			
AIRCRAFT.....	14,716,774	14,141,318	-575,456
WEAPONS.....	3,575,482	3,292,972	-282,510
AMMUNITION.....	1,122,712	1,085,158	-37,554
SHIPS.....	12,732,918	13,054,367	+321,449
OTHER.....	5,482,856	5,250,627	-232,229
MARINE CORPS.....	1,512,765	1,376,917	-135,848
TOTAL, NAVY.....	39,143,507	38,201,359	-942,148
AIR FORCE			
AIRCRAFT.....	12,676,496	13,112,617	+436,121
MISSILES.....	5,536,728	5,442,428	-94,300
AMMUNITION.....	894,478	859,466	-35,012
OTHER.....	16,128,396	16,052,569	-75,827
TOTAL, AIR FORCE.....	35,236,098	35,467,080	+230,982
DEFENSE-WIDE			
DEFENSE-WIDE.....	3,164,228	3,306,269	+142,041
NATIONAL GUARD AND RESERVE EQUIPMENT.....	---	750,000	+750,000
DEFENSE PRODUCTION ACT PURCHASES.....	36,365	100,565	+64,200
	=====	=====	=====
TOTAL PROCUREMENT.....	102,132,287	101,051,708	-1,080,579



## CONGRESSIONAL 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” are congressional interest items for purposes of the Base for Reprogramming Department of Defense form (DD Form 1414). Each of these items must be carried on the DD Form 1414 at the stated amount, as specifically addressed in these materials.

## ACQUISITION COST

The Department of Defense has exhibited an alarming trend in funding acquisition programs below full cost. In recent years, the Littoral Combat Ship, the Future Combat Systems, the Armed Reconnaissance Helicopter, and the Electromagnetic Aircraft Launching System have all required funds to be reprogrammed in an execution year to correct shortfalls. Additionally, the Joint Strike Fighter, the Future Combat Systems, the Expeditionary Fighting Vehicle, the Global Hawk Unmanned Aerial Vehicle, and the Space Based Infrared Satellite System have all required restructuring by the Department during the budget formulation period. Funds used to correct these shortfalls typically are taken from other acquisition programs. This trend is disturbing and ultimately reduces overall stability in the Department’s acquisition programs.

The causes for this practice are varied and many. In some cases, the Department violates its own policy by not funding programs to the estimate provided by the Department’s Cost Analysis Improvement Group (CAIG), which is required by statute to conduct an independent cost estimate on major acquisition programs. In other cases, the cost estimates are flawed, missing key elements of cost. Cost growth or technical challenges are frequently cited as a reason for funding shortfalls, although the fundamental causes can usually be traced back to not funding to the proper estimate from program inception. A major contributor to this problem is that lower than reasonable proposals for programs from contractors are often-times accepted by the Department as an opportunity to get major programs started because, once started, history has proven that major programs are rarely terminated.

By underfunding programs, the Department lengthens development schedules, costs the taxpayers additional dollars, and delays fielding critical capabilities to our Nation’s Armed Forces. The Department must be more accountable and fiscally responsible. Since the Department takes the time and expends the resources to conduct independent cost estimates, it should use that information in formulating budgets for the programs. The Department is directed to provide a report to the congressional defense committees that shows which Acquisition Category I (ACAT I) programs did not use the CAIG estimate as the official program estimate at a milestone decision and an explanation as to why the CAIG estimate was not used. The report should encompass the period from fiscal year 2004 through fiscal year 2008 and be submitted prior to March 1, 2009.

## FUTURE COMBAT SYSTEMS (FCS) RESTRUCTURE

The Future Combat Systems (FCS) remains the Army’s top priority modernization program, designed to provide rapidly

deployable, highly survivable and lethal forces. While the program has struggled with changing requirements and cost growth in recent years and undergone multiple restructures, support remains strong for the Army's goal to create a more capable and modern force. Most recently, the Army informed Congress of its intent to change the near-term focus of FCS by fielding available capabilities to Infantry Brigade Combat Teams, which are in high demand in the Global War on Terror, and deferring the fielding of these technologies to Heavy Brigade Combat Teams, which were originally slated to first receive the initial FCS spin outs. In support of this program shift, the Army has requested an adjustment to its fiscal year 2009 budget request for FCS from within program funds. Funding in the bill supports the Army's plan to field proven technologies that provide immediate enhanced capabilities to the warfighter and fully supports the Army's requested program adjustments, as detailed below.

[In thousands of dollars]

	<i>Amount</i>
Weapons and Tracked Combat Vehicles, Army:	
Line 8, FCS Spin Outs .....	-\$137,679
Line 9, FCS Spin Outs Advance Procurement .....	+28,479
Research, Development, Test and Evaluation, Army:	
Line 89, Non Line of Sight Launch System .....	+8,600
Line 91, FCS Manned Ground Vehicles & Common Ground Vehicle .....	+11,000
Line 92, FCS System of Systems Engineer & Program Management .....	+5,500
Line 93, FCS Reconnaissance [UAV] Platforms .....	+11,000
Line 95, FCS Unattended Ground Sensors .....	+4,100
Line 96, FCS Sustainment & Training R&D .....	+19,000
Line 97, Modular Brigade Enhancement .....	+38,500
Research, Development, Test and Evaluation, Navy:	
Line 96, Joint Tactical Radio System-Navy .....	+11,500

#### ACQUISITION WORKFORCE DEVELOPMENT FUND

Section 852 of the National Defense Authorization Act for Fiscal Year 2008 established the Department of Defense Acquisition Workforce Development Fund (AWDF) to finance recruiting, training, and retention of acquisition personnel. Funding for the AWDF is generated by taking funds appropriated for other programs. In fiscal year 2008, the planned funding level is approximately \$258,000,000 and it will grow to \$600,000,000 in fiscal year 2011 and thereafter.

There is concern about sustaining a trained, capable and adequately manned acquisition workforce, particularly as the Department faces a wave of retirements over the coming years that may leave the workforce without the most experienced members. However, there are problems with the way the AWDF is currently constituted. These concerns include:

- AWDF funding is not based on an estimate of the program's requirements;
- Projected use of the funding is not provided in advance to Congress;
- The accounting process skews the obligation and expenditure data on appropriations used to finance the AWDF;

—Expiring funds may be used to finance the AWDF thereby extending, or effectively re-appropriating without congressional approval, those funds for up to two years beyond the original life of the appropriation.

The simple and straightforward solution to these problems is to bring the AWDF into the regular appropriations process. The Department is directed to include the funding required for the Acquisition Workforce Development Fund in its fiscal year 2010 budget request.

#### GOVERNMENT ACCOUNTABILITY OFFICE

For each of the past six years, the Government Accountability Office has provided an assessment on a broad range of weapon systems that consists of (1) a macro analysis of how well acquisition programs are performing and reasons for that performance, and (2) specific analyses of individual weapon system programs. The report that results from this annual assessment has proven invaluable as an independent look at cross-cutting acquisition issues and in evaluating the status of individual weapon systems. This work has thus far been conducted under the Comptroller General's own authority. The Comptroller General is directed to perform the annual assessment of selected weapon system programs and to report the results of the assessment to the congressional defense committees by March 30th of each year.

#### JOINT STRIKE FIGHTER F-136 ENGINE DEVELOPMENT

The fiscal year 2009 budget request included no funding for the continued development of the F-136 engine as an alternate engine within the Joint Strike Fighter program. The bill includes \$430,000,000 for the continued development of this engine within the Navy and Air Force's Joint Strike Fighter development programs and \$35,000,000 for advance procurement items within the Aircraft Procurement, Air Force appropriation. The Secretary of Defense is once again directed to fully fund the F-136 engine development and procurement efforts in the fiscal year 2010 budget submission.

#### AIR FORCE ACQUISITION

The Air Force continues to experience significant difficulties in acquiring major acquisition systems in a timely and cost effective manner. From protests upheld by the Government Accountability Office (GAO) to numerous Nunn-McCurdy breaches, it is apparent that the acquisition process is seriously flawed and change is needed. As a starting point, the Air Force needs to ensure that its programs have well-understood requirements, manageable development cycles, realistic cost estimates, and adequate program funding for the entire development cycle. There are a number of remedies that would improve the Air Force's prospects in its acquisitions. Some examples are:

Disciplined use of tried and true systems engineering practices to ensure that a proposed system's performance requirements are achievable with available resources before beginning an acquisition program;

Establishing a clear business case for each program that is agreed upon by the warfighter, the comptroller, and the acquisition community;

Maturing technologies until they are ready for an acquisition program (separating technology development from acquisition programs);

Continuing to develop a skilled workforce capable of managing requirements trades, source selection, and knowledge-based acquisition strategies;

Basing programmatic decisions on demonstrated knowledge; and

Matching program manager tenure with the duration of the system design and demonstration phase of a program, and tailoring career paths and performance management systems to incentivize longer tenures.

The Secretary of Defense is directed to provide a report no later than March 31, 2009, to the congressional defense committees on the Department's plans to reform Air Force acquisition to address the problems that have continued to plague the acquisition process.

#### REPROGRAMMING GUIDANCE FOR ACQUISITION ACCOUNTS

The Department of Defense is directed to continue to follow the reprogramming guidance specified in the (House Report H. Rept. 110-279, accompanying the Fiscal Year 2008 Department of Defense Appropriations Act. 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 interest items are established elsewhere in these materials.

#### REPROGRAMMING REPORTING REQUIREMENTS

The Under Secretary of the Department of Defense, Comptroller is directed to continue to provide the congressional defense committees quarterly, spreadsheet-based DD1416 reports for service and defense-wide accounts in titles III and IV of this Act as required in the statement of the managers accompanying the conference report on the Department of Defense Appropriations Act, 2006.

#### INTELLIGENCE, SURVEILLANCE AND RECONNAISSANCE

The Secretary of Defense notified the House and the Senate Committees on Appropriations of a number of urgent Intelligence, Surveillance and Reconnaissance (ISR) needs for fiscal year 2009 that were not contained in the budget request. In order to respond to these emerging requirements, an increase of \$750,000,000 is pro-

vided in operation and maintenance, procurement, and research, development, test and evaluation accounts. The following table includes procurement funds provided in support of this initiative.

[In thousands of dollars]

Line	Account	Item	
P-11A .....	APAF .....	Procure 24 C-12 Aircraft .....	\$360,000
P-63 .....	PDW .....	SOF Deployable Nodes-M SOF Tactical Assured	
		Connectivity Systems .....	6,000
P-76 .....	PDW .....	Additional Medium UAV .....	13,000
P-76 .....	PDW .....	SOF Equipment for MQ-9 .....	20,000

FUNDING INCREASES

The funding increases outlined in these tables shall be provided only for the specific purposes indicated in the table.

AIRCRAFT PROCUREMENT, ARMY

For Aircraft Procurement, Army, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	QTY	AMOUNT
-----					
AIRCRAFT PROCUREMENT, ARMY					
AIRCRAFT					
FIXED WING					
UTILITY F/W CARGO AIRCRAFT.....	7	264,160	7	---	---
UTILITY F/W (HR) AIRCRAFT.....	---	---	---	---	---
ROTARY					
ARMED RECONNAISSANCE HELICOPTER.....	28	358,841	15	-13	-161,000
ARMED RECONNAISSANCE HELICOPTER (AP-CY).....	---	80,010	---	---	-36,200
HELICOPTER, LIGHT UTILITY.....	36	224,518	44	+8	+32,600
UH-60 BLACKHAWK (MYP).....	63	925,852	63	---	+1,600
UH-60 BLACKHAWK (MYP) (AP-CY).....	---	137,175	---	---	---
CH-47 HELICOPTER.....	16	443,519	16	---	---
HELICOPTER NEW TRAINING.....	---	2,381	---	---	---
TOTAL, AIRCRAFT.....		2,436,456			2,273,456
-----					
MODIFICATION OF AIRCRAFT					
GUARDRAIL MODS (TIARA).....	---	119,057	---	---	-10,700
MULTI SENSOR ABN RECON (MIP).....	---	23,297	---	---	---
AH-64 MODS.....	---	607,969	---	---	+2,000
AH-64 MODS (AP-CY).....	---	29,373	---	---	---
CH-47 CARGO HELICOPTER MODS.....	---	674,586	---	---	-3,600
CH-47 CARGO HELICOPTER MODS (AP-CY).....	---	49,619	---	---	---
UTILITY/CARGO AIRPLANE MODS.....	---	14,921	---	---	+1,600
AIRCRAFT LONG RANGE MODS.....	---	577	---	---	---
UH-60 MODS.....	---	10,866	---	---	+16,200
KIOWA WARRIOR.....	---	13,722	---	---	+44,500
AIRBORNE AVIONICS.....	---	174,978	---	---	---
GATM ROLLUP.....	---	79,223	---	---	---
SPARES AND REPAIR PARTS					
SPARE PARTS (AIR).....	---	6,875	---	---	---
TOTAL, MODIFICATION OF AIRCRAFT.....		1,805,063			1,855,063
-----					
					+50,000

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	QTY	AMOUNT
-----					
SUPPORT EQUIPMENT AND FACILITIES					
GROUND SUPPORT AVIONICS					
AIRCRAFT SURVIVABILITY EQUIPMENT.....	---	56,906	---	---	---
ASE INFRARED CM.....	---	433,941	---	---	---
OTHER SUPPORT					
AVIONICS SUPPORT EQUIPMENT.....	---	5,028	---	---	---
COMMON GROUND EQUIPMENT.....	---	103,882	---	---	---
AIRCREW INTEGRATED SYSTEMS.....	---	40,697	---	---	+4,000
AIR TRAFFIC CONTROL.....	---	122,775	---	---	---
INDUSTRIAL FACILITIES.....	---	2,536	---	---	---
LAUNCHER, 2.75 ROCKET.....	---	2,442	---	---	---
AIRBORNE COMMUNICATIONS.....	---	109	---	---	---
-----					
TOTAL, SUPPORT EQUIPMENT AND FACILITIES.....		768,316			+4,000
-----					
TOTAL, AIRCRAFT PROCUREMENT, ARMY.....		5,009,835			-109,000

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[in thousands of dollars]

P-1	Budget Request	Recommendation
3 ARMED RECONNAISSANCE HELICOPTER Integration and production delays	358,841	197,841 -161,000
4 ARMED RECONNAISSANCE HELICOPTER (AP-CY) Integration and Production Delays	80,010	43,810 -36,200
5 HELICOPTER, LIGHT UTILITY Light Utility Helicopter	224,518	257,118 32,600
6 UH-60 BLACKHAWK (MYP) Aircraft Component Remediation	925,852	927,452 1,600
12 GUARDRAIL MODS (TIARA) Funding in Excess of Requirement	119,057	108,357 -10,700
14 AH-64 MODS Vibration Management Enhancement Program (Note: For SC ARNG)	607,969	609,969 2,000
16 CH-47 CARGO HELICOPTER MODS Unexecutable Production Ramp for Cargo Floor Handling System CAAS - Pilot Vehicle Interface Vibration Management Enhancement Program	674,586	670,986 -6,000 1,600 800
18 UTILITY/CARGO AIRPLANE MODS Forward Looking Infrared System for New York National Guard	14,921	16,521 1,600
20 UH-60 MODS UH-60A Rewiring Program UH-60 Improved Communications (ARC 220) for the ARNG HH-60A to HH-60L Upgrades for 204th TN ARNG UH-60 MEDEVAC Thermal Imaging Upgrades	10,866	27,066 5,000 1,600 8,000 1,600
21 KIOWA WARRIOR Accelerate Safety Enhancement Program Vibration Management Enhancement Program	13,722	58,222 42,000 2,500
30 AIRCREW INTEGRATED SYSTEMS Cockpit Air Bag System (CABS) Air Warrior-Joint Service Vacuum Packed Life Raft (AW-JSVPLR)	40,697	44,697 1,600 2,400



## KIOWA WARRIOR

The bill provides an additional \$42,000,000 for safety, performance, and weight enhancements for the Kiowa Warrior. The Army is directed to use these funds on projects which provide the greatest benefit for sustaining the Kiowa Warrior until the Armed Reconnaissance Helicopter is fielded.

## FORT KNOX GODMAN ARMY AIRFIELD

Congress provided \$3,200,000 for the Fort Knox Godman Army Airfield Area Surveillance Radar in the Department of Defense Appropriations Act, 2008 (Public Law 110–116). Due to the increasing cost of this initiative, the Army no longer intends to purchase the radar and now plans to purchase comparable air traffic control equipment with the funding. The Army is directed to use the funds for this alternative purpose at Fort Knox Godman Army Airfield.

## MISSILE PROCUREMENT, ARMY

For Missile Procurement, Army, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM	
	QTY	AMOUNT	QTY	QTY	REQUEST
					AMOUNT
-----					
MISSILE PROCUREMENT, ARMY					
OTHER MISSILES					
SURFACE-TO-AIR MISSILE SYSTEM					
PATRIOT SYSTEM SUMMARY.....	108	512,086	108	512,086	---
PATRIOT/HEADS CAP SYSTEM SUMMARY.....	---	31,049	---	31,049	---
PATRIOT/HEADS CAP SYSTEM SUMMARY (AP-CY).....	---	40,468	---	40,468	---
AIR-TO-SURFACE MISSILE SYSTEM					
HELLFIRE SYS SUMMARY.....	---	48,629	---	45,829	---
ANTI-TANK/ASSAULT MISSILE SYSTEM					
JAVELIN (AAWS-M) SYSTEM SUMMARY.....	605	259,326	605	259,326	---
TOW 2 SYSTEM SUMMARY.....	1,586	85,988	1,586	76,988	---
GUIDED MLRS ROCKET (GMLRS).....	1,938	247,213	1,938	240,213	---
MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR).....	4,014	25,300	4,014	25,300	---
HIMARS LAUNCHER.....	57	246,041	57	246,041	---
TOTAL, OTHER MISSILES.....		1,496,100		1,477,300	---
MODIFICATION OF MISSILES					
MODIFICATIONS					
PATRIOT MODS.....	---	524,500	---	516,900	---
ITAS/TOW MODS.....	---	137,109	---	137,109	---
MLRS MODS.....	---	1,872	---	1,872	---
HIMARS MODIFICATIONS: (NON AAO).....	---	16,408	---	16,408	---
TOTAL, MODIFICATION OF MISSILES.....		679,889		672,289	---
SPARES AND REPAIR PARTS					
SPARES AND REPAIR PARTS.....	---	24,901	---	24,901	---
SUPPORT EQUIPMENT AND FACILITIES					
AIR DEFENSE TARGETS.....	---	6,442	---	6,442	---
ITEMS LESS THAN \$5.0M (MISSILES).....	---	10	---	10	---
PRODUCTION BASE SUPPORT.....	---	4,118	---	4,118	---
TOTAL, SUPPORT EQUIPMENT AND FACILITIES.....		10,570		10,570	---
TOTAL, MISSILE PROCUREMENT, ARMY.....		2,211,460		2,185,060	---

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

P-1	Budget Request	Recommendation
<b>4 HELLFIRE SYSTEM SUMMARY</b>	<b>48,629</b>	<b>45,829</b>
Unjustified Cost Growth		-2,800
<b>6 TOW 2 SYSTEM SUMMARY</b>	<b>85,988</b>	<b>76,988</b>
Unjustified Cost Growth		-9,000
<b>8 GUIDED MLRS ROCKET (GMLRS)</b>	<b>247,213</b>	<b>240,213</b>
Unit Cost Efficiencies		-7,000
<b>12 PATRIOT MODS</b>	<b>524,500</b>	<b>516,900</b>
Unjustified Cost Growth		-10,000
PATRIOT Tactical Command Station (TCS) / Battery Command Post (BCP)		2,400

JAVELIN

The bill provides a total of \$259,326,000 for the Javelin Advanced Antitank Weapon System. Funds are appropriated to procure a maximum of 81,391 all up rounds and 125,239 command launch units.

PROCUREMENT OF WEAPONS AND TRACKED COMBAT  
VEHICLES, ARMY

For Procurement of Weapons and Tracked Combat Vehicles, Army, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	QTY	AMOUNT
-----					
PROCUREMENT OF W&TCV, ARMY					
TRACKED COMBAT VEHICLES					
BRADLEY BASE SUSTAINMENT.....	---	171,989	---	---	-171,989
BRADLEY FVS TRAINING DEVICES (MOD).....	---	4,386	---	---	+6,600
ABRAMS TANK TRAINING DEVICES.....	---	---	---	---	+3,000
STRYKER VEHICLE.....	119	1,174,947	119	---	-223,947
FUTURE COMBAT SYSTEMS (FCS).....	---	128,419	---	---	---
FUTURE COMBAT SYSTEMS (FCS) (AP-CY).....	---	26,164	---	---	---
FCS SPIN OUTS.....	---	161,879	---	---	-137,679
FCS SPIN OUTS (AP-CY).....	---	14,788	---	---	+28,479
MODIFICATION OF TRACKED COMBAT VEHICLES					
FIST VEHICLE (MOD).....	---	33,426	---	---	---
BFVS SERIES (MOD).....	---	311,925	---	---	---
HOWITZER, MED SP FT 155MM M109A6 (MOD).....	---	28,913	---	---	---
IMPROVED RECOVERY VEHICLE (M88 MOD).....	39	132,701	39	---	---
ARMORED BREACHER VEHICLE.....	---	34,713	---	---	-34,713
JOINT ASSAULT BRIDGE.....	---	40,464	---	---	---
M1 ABRAMS TANK (MOD).....	---	341,569	---	---	---
ABRAMS UPGRADE PROGRAM.....	---	351,179	---	---	---
ITEMS LESS THAN \$5.0M (TCV-WTCV).....	---	---	---	---	+1,600
SUPPORT EQUIPMENT AND FACILITIES					
PRODUCTION BASE SUPPORT (TCV-WTCV).....	---	7,136	---	---	---
TOTAL, TRACKED COMBAT VEHICLES.....		2,964,598			-528,649

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	QTY	AMOUNT
-----					
WEAPONS AND OTHER COMBAT VEHICLES					
HOWITZER, LIGHT, TOWED, 105MM, M119.....	68	118,431	68	---	-5,500
M240 MEDIUM MACHINE GUN (7.62MM).....	5,900	61,334	5,900	---	---
MACHINE GUN, CAL .50 M2 ROLL.....	---	99,881	---	---	---
M249 SAW MACHINE GUN (5.56MM).....	5,150	22,134	5,150	---	---
MK-19 GRENADE MACHINE GUN (40MM).....	785	17,328	785	---	---
MORTAR SYSTEMS.....	165	15,500	165	---	---
M107, CAL. 50, SNIPER RIFLE.....	---	223	---	---	---
XM320 GRENADE LAUNCHER MODULE (GLM).....	---	31,756	---	---	---
XM110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS).....	508	7,407	508	---	---
M4 CARBINE.....	88,964	151,055	88,964	---	---
SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS).....	7,135	9,097	7,135	---	---
FUTURE HANDGUN SYSTEM (FHS).....	---	3,468	---	---	-1,500
HOWITZER LT WT 155MM (T).....	38	113,205	38	---	---
MOD OF WEAPONS AND OTHER COMBAT VEH					
MK-19 GRENADE MACHINE GUN MODS.....	---	7,654	---	---	---
M4 CARBINE MODS.....	---	16,796	---	---	---
M249 SAW MACHINE GUN MODS.....	---	7,088	---	---	---
M240 MEDIUM MACHINE GUN MODS.....	---	21,128	---	---	---
M119 MODIFICATIONS.....	---	964	---	---	---
M16 RIFLE MODS.....	---	1,181	---	---	---
MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV).....	---	3,763	---	---	---
SUPPORT EQUIPMENT AND FACILITIES					
ITEMS LESS THAN \$5.0M (WOCV-WTCV).....	---	2,187	---	---	---
PRODUCTION BASE SUPPORT (WOCV-WTCV).....	---	6,545	---	---	+13,500
INDUSTRIAL PREPAREDNESS.....	---	3,104	---	---	+4,200
SMALL ARMS (SOLDIER ENH PROG).....	---	1,250	---	---	---
-----					
TOTAL, WEAPONS AND OTHER COMBAT VEHICLES.....		722,479			+10,700
-----					
TOTAL, PROCUREMENT OF W&TCV, ARMY.....		3,687,077			-517,949

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[in thousands of dollars]

P-1	Budget Request	Recommendation
<b>2 BRADLEY BASE SUSTAINMENT</b>	<b>171,989</b>	<b>0</b>
Funded in the FY 2008 Supplemental		-171,989
<b>3 BRADLEY TRAINING DEVICES (MOD)</b>	<b>4,386</b>	<b>10,986</b>
AB-FIST Gunnery Trainers for the Tennessee Army National Guard		2,400
AB-FIST Gunnery Trainer Upgrades for the Tennessee Army National Guard		3,200
AB-FIST Gunnery Trainer Upgrades for the Idaho Army National		1,000
<b>4 ABRAMS TANK TRAINING DEVICES</b>	<b>0</b>	<b>3,000</b>
M1 Abrams Mobile Conduct of Fire Trainer Upgrades for the Tennessee Army National Guard		3,000
<b>5 STRYKER VEHICLE</b>	<b>1,174,947</b>	<b>951,000</b>
Authorization Adjustment - Funding in Excess of Need		-35,000
Delay in Mobile Gun System		-188,947
<b>8 FCS SPIN OUTS</b>	<b>161,879</b>	<b>24,200</b>
FCS Restructure: Procurement of Spin Out Hardware Delayed to Fiscal Year 2010		-137,679
<b>9 FCS SPIN OUTS (AP-CY)</b>	<b>14,788</b>	<b>43,267</b>
FCS Restructure: Increased Requirement		28,479
<b>15 ARMORED BREACHER VEHICLE</b>	<b>34,713</b>	<b>0</b>
Program Delay		-34,713
<b>21 ITEMS LESS THAN \$5.0M (TCV-WTCV)</b>	<b>0</b>	<b>1,600</b>
Transmission Dynamometer		1,600
<b>23 HOWITZER, LIGHT, TOWED, 105MM, M119</b>	<b>118,431</b>	<b>112,931</b>
Unjustified Cost Growth		-5,500
<b>35 FUTURE HANDGUN SYSTEM (FHS)</b>	<b>3,468</b>	<b>1,968</b>
No Requirement		-1,500
<b>47 PRODUCTION BASE SUPPORT (WOCV-WTCV)</b>	<b>6,545</b>	<b>20,045</b>
Arsenal Support Program Initiative, Rock Island		8,500
Arsenal Support Program Initiative, Watervliet		5,000
<b>48 INDUSTRIAL PREPAREDNESS</b>	<b>3,104</b>	<b>7,304</b>
Arsenal Support Program Initiative, Rock Island - Joint Manufacturing and Technology Center Equipment		4,200

PROCUREMENT OF AMMUNITION, ARMY

For Procurement of Ammunition, Army, funds are to be available for fiscal year 2009, as follows:



(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	AMOUNT	QTY AMOUNT
-----					
PROCUREMENT OF AMMUNITION, ARMY					
AMMUNITION					
SMALL/MEDIUM CAL AMMUNITION					
CTG, 5.56MM, ALL TYPES.....	---	197,130	---	197,130	---
CTG, 7.62MM, ALL TYPES.....	---	59,181	---	59,181	---
CTG, 9MM, ALL TYPES.....	---	6,276	---	6,276	---
CTG, .50 CAL, ALL TYPES.....	---	183,813	---	175,200	---
CTG, 25MM, ALL TYPES.....	---	14,742	---	13,042	---
CTG, 30MM, ALL TYPES.....	---	79,066	---	75,766	---
CTG, 40MM, ALL TYPES.....	---	293,322	---	293,322	---
MORTAR AMMUNITION					
60MM MORTAR, ALL TYPES.....	---	17,055	---	22,655	---
81MM MORTAR, ALL TYPES.....	---	58,521	---	58,521	---
CTG, MORTAR, 120MM, ALL TYPES.....	---	117,601	---	120,401	---
TANK AMMUNITION					
CTG TANK 105MM: ALL TYPES.....	---	15,829	---	15,829	---
120MM TANK TRAINING, ALL TYPES.....	---	151,015	---	151,015	---
ARTILLERY AMMUNITION					
CTG ARTY 75MM, ALL TYPES.....	---	2,741	---	2,741	---
CTG ARTY 105MM, ALL TYPES.....	---	42,153	---	42,153	---
CTG, ARTY, 155MM, ALL TYPES.....	---	85,030	---	86,630	---
PROJ, 155MM EXTENDED RANGE XM982.....	---	34,220	---	34,220	---
MODULAR ARTILLERY CHARGE SYSTEM (MACS).....	---	43,338	---	43,338	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	QTY	AMOUNT
ARTILLERY FUZES					
ARTILLERY FUZES, ALL TYPES.....	---	19,969	---	---	---
MINES					
MINE, TRAINING, ALL TYPES.....	---	4,846	---	---	---
MINE, CLEARING CHARGE, ALL TYPES.....	---	2,606	---	---	---
ANTIPERSONNEL LANDMINE ALTERNATIVES.....	---	52,000	---	---	---
ROCKETS					
SHOULDER FIRED ROCKETS, ALL TYPES.....	---	28,020	---	---	---
ROCKET, HYDRA 70, ALL TYPES.....	---	142,521	---	---	---
OTHER AMMUNITION					
DEMOLITION MUNITIONS, ALL TYPES.....	---	28,886	---	---	+3,200
GRENADES, ALL TYPES.....	---	71,608	---	---	+5,600
SIGNALS, ALL TYPES.....	---	89,357	---	---	---
SIMULATORS, ALL TYPES.....	---	20,027	---	---	---
MISCELLANEOUS					
AMMO COMPONENTS, ALL TYPES.....	---	15,228	---	---	---
NON-LETHAL AMMUNITION, ALL TYPES.....	---	21,193	---	---	---
CAD/PAD ALL TYPES.....	---	2,806	---	---	---
ITEMS LESS THAN \$5 MILLION.....	---	6,996	---	---	---
AMMUNITION PECULIAR EQUIPMENT.....	---	10,598	---	---	+1,700
FIRST DESTINATION TRANSPORTATION (AMMO).....	---	12,564	---	---	---
CLOSEOUT LIABILITIES.....	---	100	---	---	---
TOTAL, AMMUNITION.....		1,930,358			1,937,245
					+6,887
AMMUNITION PRODUCTION BASE SUPPORT					
PRODUCTION BASE SUPPORT					
PROVISION OF INDUSTRIAL FACILITIES.....	---	187,388	---	---	+4,720
LAYAWAY OF INDUSTRIAL FACILITIES.....	---	5,085	---	---	---
MAINTENANCE OF INACTIVE FACILITIES.....	---	5,619	---	---	---
CONVENTIONAL MUNITIONS DEMILITARIZATION, ALL.....	---	144,327	---	---	---
ARMS INITIATIVE.....	---	3,014	---	---	---
TOTAL, AMMUNITION PRODUCTION BASE SUPPORT.....		345,433			350,153
					+4,720
TOTAL, PROCUREMENT OF AMMUNITION, ARMY.....		2,275,791			2,287,398
					+11,607

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1	Budget Request	Recommendation
<b>4 CTG, .50 CAL, ALL TYPES</b>	<b>183,813</b>	<b>175,200</b>
Unjustified Cost Growth		-8,613
<b>6 CTG, 25MM, ALL TYPES</b>	<b>14,742</b>	<b>13,042</b>
Unjustified Cost Growth		-1,700
<b>7 CTG, 30MM, ALL TYPES</b>	<b>79,066</b>	<b>75,766</b>
Unjustified Cost Growth		-3,300
<b>9 60MM MORTAR, ALL TYPES</b>	<b>17,055</b>	<b>22,655</b>
M769, Mortar, Full Range Practice Cartridge		4,000
60mm Mortar, All Types		1,600
<b>11 CTG, MORTAR, 120MM, ALL TYPES</b>	<b>117,601</b>	<b>120,401</b>
Cartridge, 105mm High Explosive Plastic-Tracer, M393A3		
HEP-T		1,200
CTG, Mortar, 120mm, All Types		1,600
<b>16 CTG, ARTY, 155MM, ALL TYPES</b>	<b>85,030</b>	<b>86,630</b>
CTG, Arty, 155mm, All Types		1,600
<b>25 DEMOLITION MUNITIONS, ALL TYPES</b>	<b>28,886</b>	<b>32,086</b>
Rapid Wall Breaching Kit (RWBK)		3,200
<b>26 GRENADES, ALL TYPES</b>	<b>71,608</b>	<b>77,208</b>
Grenade Incendiary Thermite AN-M14		1,600
Grenades, All Types		4,000
<b>38 AMMUNITION PECULIAR EQUIPMENT</b>	<b>10,598</b>	<b>12,298</b>
Supercritical Water Oxidation, Bluegrass Army Depot		1,700
<b>41 PROVISION OF INDUSTRIAL FACILITIES</b>	<b>187,388</b>	<b>192,108</b>
Holston Army Ammunition Plant Critical Reliability Enhancement		1,600
Ammunition Production Base Support (Scranton AAP) - Electrical Substations Upgrade		1,920
Small Caliber Trace Charging Facilitization Program		1,200

OTHER PROCUREMENT, ARMY

For Other Procurement, Army, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED		CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT
-----						
OTHER PROCUREMENT, ARMY						
TACTICAL AND SUPPORT VEHICLES						
TACTICAL VEHICLES						
TACTICAL TRAILERS/DOLLY SETS.....	---	88,428	---	94,428	---	+6,000
SEMITRAILERS, FLATBED.....	---	62,345	---	62,345	---	---
SEMITRAILERS, TANKERS.....	---	47,476	---	47,476	---	---
HI MOB MULTI-PURP WHLD VEH (HMMWV).....	---	946,734	---	836,034	---	-110,700
FAMILY OF MEDIUM TACTICAL VEH (FMTV).....	---	944,687	---	444,687	---	-500,000
FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIPMENT....	---	19,378	---	20,578	---	+1,200
FAMILY OF HEAVY TACTICAL VEHICLES (FHTV).....	---	923,348	---	924,148	---	+800
ARMORED SECURITY VEHICLES (ASV).....	---	195,385	---	181,685	---	-13,700
MINE PROTECTION VEHICLE FAMILY.....	---	182,367	---	186,367	---	+4,000
TRUCK, TRACTOR, LINE HAUL, M915/M916.....	---	14,870	---	14,870	---	---
HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV.....	---	213,341	---	213,341	---	---
MODIFICATION OF IN SVC EQUIP.....	---	32,219	---	36,219	---	+4,000
ITEMS LESS THAN \$5.0M (TAC VEH).....	---	511	---	2,911	---	+2,400
TOWING DEVICE-FIFTH WHEEL.....	---	218	---	218	---	---
NON-TACTICAL VEHICLES						
HEAVY ARMORED SEDAN.....	---	595	---	595	---	---
PASSENGER CARRYING VEHICLES.....	---	280	---	280	---	---
NONTACTICAL VEHICLES, OTHER.....	---	3,380	---	3,380	---	---
-----						
TOTAL, TACTICAL AND SUPPORT VEHICLES.....		3,675,562		3,069,562		-606,000
-----						

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST
	QTY	AMOUNT	QTY	AMOUNT
				QTY
				AMOUNT
COMMUNICATIONS AND ELECTRONICS EQUIPMENT				
COMM - JOINT COMMUNICATIONS				
JOINT COMBAT IDENTIFICATION MARKING SYSTEM.....	---	12,910	---	12,910
WIN-T - GROUND FORCES TACTICAL NETWORK.....	---	287,605	---	256,105
JCSE EQUIPMENT (USREDCOM).....	---	4,114	---	4,114
COMM - SATELLITE COMMUNICATIONS				
DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS.....	---	88,286	---	69,886
SHF TERM.....	---	298	---	4,298
SAT TERM, EMUT (SPACE).....	---	807	---	807
NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE).....	---	92,311	---	95,111
SMART-T (SPACE).....	---	85,286	---	85,286
SCAMP (SPACE).....	---	993	---	993
GLOBAL BRDCST SVC - GBS.....	---	35,385	---	35,385
MOD OF IN-SVC EQUIP (TAC SAT).....	---	6,075	---	6,075
COMM - C3 SYSTEM				
ARMY GLOBAL CMD & CONTROL SYS (AGCCS).....	---	33,513	---	31,513
COMM - COMBAT COMMUNICATIONS				
ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO).....	---	36,077	---	36,077
RADIO TERMINAL SET, MIDS LVT(2).....	---	8,570	---	8,570
SINGGARS FAMILY.....	---	84,888	---	87,288
AMC CRITICAL ITEMS - OPA2.....	---	4,073	---	4,073
MULTI-PURPOSE INFORMATION OPERATIONS SYSTEMS.....	---	7,801	---	7,801
COMMS-ELEC EQUIP FIELDING.....	---	7,828	---	14,152
SPIDER APLA REMOTE CONTROL UNIT.....	---	18,000	---	18,000
SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS.....	---	7,545	---	7,545
COMBAT SURVIVOR EVADER LOCATOR (CSEL).....	---	16,155	---	16,155
RADIO, IMPROVED HF FAMILY.....	---	48,436	---	48,436
MEDICAL COMM FOR CBT CASUALTY CARE (MC4).....	---	38,281	---	38,281
COMM - INTELLIGENCE COMM				
CI AUTOMATION ARCHITECTURE.....	---	1,500	---	1,500
INFORMATION SECURITY				
TSEC - ARMY KEY MGT SYS (AKMS).....	---	34,774	---	34,774
INFORMATION SYSTEM SECURITY PROGRAM-ISSP.....	---	76,570	---	77,770

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	AMOUNT	QTY
					AMOUNT
COMM - LONG HAUL COMMUNICATIONS					
TERRESTRIAL TRANSMISSION.....	---	9,167	---	9,167	---
BASE SUPPORT COMMUNICATIONS.....	---	35,120	---	35,120	---
WW TECH CON IMP PROG (WWTICIP).....	---	28,736	---	28,736	---
COMM - BASE COMMUNICATIONS					
INFORMATION SYSTEMS.....	---	278,999	---	273,999	-5,000
DEFENSE MESSAGE SYSTEM (DMS).....	---	6,726	---	6,726	---
INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM.....	---	231,336	---	233,336	+2,000
PENTAGON INFORMATION MGT AND TELECOM.....	---	33,317	---	33,317	---
ELECT EQUIP - NAT INT PROG (NIP)					
ELECT EQUIP - NAT INTEL PROG (NIP)					
ALL SOURCE ANALYSIS SYS (ASAS) (MIP).....	---	58,333	---	58,333	---
JTT/CIBS-M (MIP).....	---	11,377	---	11,377	---
PROPHET GROUND (MIP).....	---	114,085	---	114,085	---
TACTICAL UNMANNED AERIAL SYS (TUAS) MIP.....	---	316,598	---	237,898	-78,700
SMALL UNMANNED AERIAL SYSTEM (SUAS).....	---	30,023	---	30,023	---
DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (MIP).....	---	26,802	---	26,802	---
DCGS-A (MIP).....	---	177,973	---	177,973	---
TROJAN (MIP).....	---	10,409	---	10,409	---
MOD OF IN-SVC EQUIP (INTEL SPT) (MIP).....	---	2,423	---	2,423	---
CI HUMINT INFO MANAGEMENT SYSTEM (CHIMS).....	---	37,632	---	37,632	---
SEQUOYAH FOREIGN LANGUAGE TRANSLATION SYSTEM.....	---	6,358	---	6,358	---
ITEMS LESS THAN \$5.0M (MIP).....	---	27,731	---	30,731	+3,000
ELECT EQUIP - ELECTRONIC WARFARE (EW)					
LIGHTWEIGHT COUNTER MORTAR RADAR.....	---	46,397	---	46,397	---
COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES.....	---	993	---	993	---
CI MODERNIZATION (MIP).....	---	1,297	---	1,297	---
ELECT EQUIP - TACTICAL SURV. (TAC SURV)					
SENTINEL MODS.....	---	33,142	---	33,142	---
NIGHT VISION DEVICES.....	---	465,592	---	469,192	+3,600
LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM.....	---	210,766	---	204,766	-6,000
NIGHT VISION, THERMAL WPN SIGHT.....	---	416,866	---	416,866	---
RADIATION MONITORING SYSTEMS.....	---	3,440	---	1,890	-1,550
ARTILLERY ACCURACY EQUIP.....	---	447	---	447	---
MOD OF IN-SVC EQUIPMENT.....	---	---	---	800	+800
ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE.....	---	2,579	---	2,579	---
PROFILER.....	---	12,517	---	9,017	-3,500

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	AMOUNT	QTY
					AMOUNT
MOD OF IN-SVC EQUIP (FIREFINDER RADARS).....	---	16,342	---	16,342	---
FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2).....	---	231,651	---	243,651	--- +12,000
LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLD).....	---	150,094	---	135,094	--- -15,000
COMPUTER BALLISTICS: LHMBC XM32.....	---	2,269	---	2,269	---
MORTAR FIRE CONTROL SYSTEM.....	---	21,037	---	21,037	---
COUNTERFIRE RADARS.....	---	107,061	---	107,061	---
ENHANCED SENSOR & MONITORING SYSTEM.....	---	1,987	---	1,987	---
ELECT EQUIP - TACTICAL C2 SYSTEMS					
TACTICAL OPERATIONS CENTERS.....	---	196,245	---	147,245	--- -49,000
FIRE SUPPORT C2 FAMILY.....	---	53,908	---	57,908	--- +4,000
BATTLE COMMAND SUSTAINMENT SUPPORT SYSTEM.....	---	36,829	---	36,829	---
FAAD C2.....	---	7,489	---	7,489	---
AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD).....	---	57,674	---	53,709	--- -3,965
KNIGHT FAMILY.....	---	100,709	---	100,709	---
LIFE CYCLE SOFTWARE SUPPORT (LCSS).....	---	2,101	---	4,501	--- +2,400
AUTOMATIC IDENTIFICATION TECHNOLOGY.....	---	83,530	---	85,530	--- +2,000
TC AIMS II.....	---	31,879	---	31,879	---
JOINT NETWORK MANAGEMENT SYSTEM (JNMS).....	---	11,059	---	11,059	---
TACTICAL INTERNET MANAGER.....	---	4,809	---	4,809	---
DATA PRODUCTS.....	---	30,077	---	30,077	---
MANEUVER CONTROL SYSTEM (MCS).....	---	123,009	---	123,009	---
SINGLE ARMY LOGISTICS ENTERPRISE (SALE).....	---	67,960	---	65,460	--- -2,500
MOUNTED BATTLE COMMAND ON THE MOVE (MBCOTM).....	---	25,869	---	25,869	---



(DOLLARS IN THOUSANDS)

	BUDGET	REQUEST	RECOMMENDED	CHANGE FROM	REQUEST
	QTY	AMOUNT	QTY	QTY	AMOUNT
-----					
ELECT EQUIP - AUTOMATION					
GENERAL FUND ENTERPRISE BUSINESS SYSTEM.....	---	30,137	---	---	---
ARMY TRAINING MODERNIZATION.....	---	13,481	---	---	---
AUTOMATED DATA PROCESSING EQUIP.....	---	105,343	---	---	+2,800
CSS COMMUNICATIONS.....	---	36,744	---	---	---
RESERVE COMPONENT AUTOMATION SYS (RCAS).....	---	42,462	---	---	---
ELECT EQUIP - AUDIO VISUAL SYS (A/V)					
ITEMS LESS THAN \$5.0M (A/V).....	---	6,677	---	---	---
ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT).....	---	12,613	---	---	---
WEAPONIZATION OF UNMANNED AERIAL SYSTEM (UAS).....	---	15,124	---	---	---
ELECT EQUIP - SUPPORT					
ITEMS UNDER \$5M (SSE).....	---	6,517	---	---	+1,600
PRODUCTION BASE SUPPORT (C-E).....	---	514	---	---	---
TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT.		5,308,462			-166,191
-----					
OTHER SUPPORT EQUIPMENT					
CHEMICAL DEFENSIVE EQUIPMENT					
PROTECTIVE SYSTEMS.....	---	1,085	---	---	+2,400
CBRN SOLDIER PROTECTION.....	---	58,426	---	---	---
SMOKE & OBSCURANT FAMILY: SOF (NON AAO ITEM).....	---	16,814	---	---	---
BRIDGING EQUIPMENT					
TACTICAL BRIDGING.....	---	93,930	---	---	---
TACTICAL BRIDGE, FLOAT-RIBBON.....	---	147,270	---	---	-12,230
ENGINEER (NON-CONSTRUCTION) EQUIPMENT					
HANDHELD STANDOFF MINEFIELD DETECTION SYS-HST.....	---	46,007	---	---	---
GRND STANDOFF MINE DETECTION SYSTEM (GSTAMIDS).....	---	46,783	---	---	---
EXPLOSIVE ORDNANCE DISPOSAL EQPMT (EOD EQPMT).....	---	58,437	---	---	+5,800
ITEMS LESS THAN \$5M, COUNTERMINE EQUIPMENT.....	---	3,192	---	---	---
AERIAL DETECTION.....	---	12,773	---	---	---
COMBAT SERVICE SUPPORT EQUIPMENT					
HEATERS AND ECU'S.....	---	12,996	---	---	---
LAUNDRIES, SHOWERS AND LATRINES.....	---	7,002	---	---	---
SOLDIER ENHANCEMENT.....	---	9,898	---	---	---
LIGHTWEIGHT MAINTENANCE ENCLOSURE (LME).....	---	---	---	---	+4,320
FIELD FEEDING EQUIPMENT.....	---	70,847	---	---	+2,400
CARGO AERIAL DELIVERY PROGRAM.....	---	63,420	---	---	---
MOBILE INTEGRATED REMAINS COLLECTION SYSTEM.....	---	17,803	---	---	---
ITEMS LESS THAN \$5.0M (ENG SPT EQ).....	---	32,602	---	---	---

(DOLLARS IN THOUSANDS)

	BUDGET	REQUEST	RECOMMENDED	CHANGE FROM	REQUEST
	QTY	AMOUNT	QTY	QTY	AMOUNT
PETROLEUM EQUIPMENT					
QUALITY SURVEILLANCE EQUIPMENT.....	---	1,285	---	---	-1,285
DISTRIBUTION SYSTEMS, PETROLEUM & WATER.....	---	61,545	---	---	---
WATER EQUIPMENT					
WATER PURIFICATION SYSTEMS.....	---	51,164	---	---	---
MEDICAL EQUIPMENT					
COMBAT SUPPORT MEDICAL.....	---	62,336	---	---	+8,000
MAINTENANCE EQUIPMENT					
MOBILE MAINTENANCE EQUIPMENT SYSTEMS.....	---	57,994	---	---	---
ITEMS LESS THAN \$5.0M (MAINT EQ).....	---	1,329	---	---	---
CONSTRUCTION EQUIPMENT					
GRADER, ROAD MTZD, HVY, 6X4 (CCE).....	---	37,698	---	---	---
SKID LOADER (SSL) FAMILY OF SYSTEM.....	---	19,943	---	---	---
DISTR, WATER, SP MIN 2500G SEC/NON-SEC.....	---	6,555	---	---	---
MISSION MODULES - ENGINEERING.....	---	31,525	---	---	---
LOADERS.....	---	27,988	---	---	---
HYDRAULIC EXCAVATOR.....	---	9,565	---	---	---
TRACTOR, FULL TRACKED.....	---	33,727	---	---	---
PLANT, ASPHALT MIXING.....	---	7,906	---	---	---
HIGH MOBILITY ENGINEER EXCAVATOR (HMEE).....	---	54,508	---	---	---
CONST EQUIP ESP.....	---	44,703	---	---	---
ITEMS LESS THAN \$5.0M (CONST EQUIP).....	---	17,030	---	---	---
RAIL FLOAT CONTAINERIZATION EQUIPMENT					
JOINT HIGH SPEED VEHICLE (JHSV).....	1	168,846	1	---	---
HARBORMASTER COMMAND & CONTROL CENTER (HCCC).....	---	17,615	---	---	---
ITEMS LESS THAN \$5.0M (FLOAT/RAIL).....	---	7,803	---	---	---
GENERATORS					
GENERATORS AND ASSOCIATED EQUIP.....	---	217,749	---	---	+704
MATERIAL HANDLING EQUIPMENT					
ROUGH TERRAIN CONTAINER HANDLER (RTCH).....	---	45,000	---	---	---
ALL TERRAIN LIFTING ARMY SYSTEM.....	---	48,981	---	---	---
TRAINING EQUIPMENT					
COMBAT TRAINING CENTERS (CTC) SUPPORT.....	---	16,508	---	---	---
TRAINING DEVICES, NONSYSTEM.....	---	218,614	---	---	+66,970
CLOSE COMBAT TACTICAL TRAINER.....	---	60,676	---	---	+2,400
AVIATION COMBINED ARMS TACTICAL TRAINER (AVCA).....	---	23,106	---	---	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM
	QTY	QTY	QTY
	AMOUNT	AMOUNT	REQUEST
			AMOUNT
TEST MEASURE AND DIG EQUIPMENT (TMD)			
CALIBRATION SETS EQUIPMENT.....	---	---	---
	9,689	9,689	
INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE).....	---	---	---
	46,296	46,296	
TEST EQUIPMENT MODERNIZATION (TEMOD).....	---	---	---
	22,377	22,377	
OTHER SUPPORT EQUIPMENT			
RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT.....	---	---	---
	20,190	22,590	+2,400
PHYSICAL SECURITY SYSTEMS (OPA3).....	---	---	---
	104,774	106,374	+1,600
BASE LEVEL COM'L EQUIPMENT.....	---	---	---
	4,123	4,123	
MODIFICATION OF IN-SVC EQUIPMENT (OPA-3).....	---	---	---
	45,741	45,741	
PRODUCTION BASE SUPPORT (OTH).....	---	---	---
	3,107	3,107	
SPECIAL EQUIPMENT FOR USER TESTING.....	---	---	---
	24,201	29,001	+4,800
AHC CRITICAL ITEMS OPA3.....	---	---	---
	10,826	10,826	
MA8975.....	---	---	---
	2,624	2,624	
TOTAL, OTHER SUPPORT EQUIPMENT.....			
	2,344,932	2,433,211	+88,279
SPARE AND REPAIR PARTS			
INITIAL SPARES - C&E.....	---	---	---
	36,334	36,334	
TOTAL, SPARE AND REPAIR PARTS.....			
	36,334	36,334	
CLASSIFIED PROGRAMS.....	---	---	---
	2,636	2,636	
TOTAL, OTHER PROCUREMENT, ARMY.....			
	11,367,926	10,684,014	-683,912

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[in thousands of dollars]

P-1	Budget Request	Recommendation
<b>1 TACTICAL TRAILERS/DOLLY SETS</b>	<b>88,428</b>	<b>94,428</b>
Specialized Reconnaissance Assault Transport System (SRATS)		6,000
<b>4 HIGH MOBILITY MULTI-PURPOSE WHEELED VEHICLES</b>	<b>946,734</b>	<b>836,034</b>
ECV Variants, Funded Ahead of Need		-113,200
Fire Suppression Panels		2,500
<b>5 FAMILY OF MEDIUM TACTICAL VEH (FMTV)</b>	<b>944,687</b>	<b>444,687</b>
Funded in the Fiscal Year 2008 Supplemental/Production backlog		-500,000
<b>FIRETRUCKS &amp; ASSOCIATED FIREFIGHTING</b>		
<b>6 EQUIPMENT</b>	<b>19,378</b>	<b>20,578</b>
Camp Ripley Minnesota Training Center Aircraft Rescue Fighter (AARF) Vehicles		1,200
<b>7 FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)</b>	<b>923,348</b>	<b>924,148</b>
Ground Guidance for Army Movement Tracking System		800
<b>8 ARMORED SECURITY VEHICLES (ASV)</b>	<b>195,385</b>	<b>181,685</b>
Unjustified Cost Growth		-13,700
<b>9 MINE PROTECTION VEHICLE FAMILY</b>	<b>182,367</b>	<b>186,367</b>
Detonation Suppression System		4,000
<b>13 MODIFICATION OF IN SVC EQUIP</b>	<b>32,219</b>	<b>36,219</b>
HMMWV Restraint System Upgrades		3,200
<b>14 ITEMS LESS THAN \$5.0M (TAC VEH)</b>	<b>511</b>	<b>2,911</b>
All Terrain Ultra Tactical Vehicles		2,400
<b>21 WIN-T - GROUND FORCES TACTICAL NETWORK</b>	<b>287,605</b>	<b>256,105</b>
Authorization Adjustment - Funding Ahead of Need		-43,500
AN/UXC-10 Digital Facsimile		12,000
<b>24 DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS</b>	<b>88,286</b>	<b>69,886</b>
Upgrade Program Funded Ahead of Need		-18,400
<b>25 SHF TERMINAL</b>	<b>298</b>	<b>4,298</b>
AN/TSC-156 Phoenix TSST Mobile Satellite Communication Terminals for Delaware Army National Guard		4,000
<b>27 NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE)</b>	<b>92,311</b>	<b>95,111</b>
Defense Advanced GPS Receiver (DAGR)		2,000
Embedded GPS Receivers for the North Carolina Army National Guard		800

<b>P-1</b>	<b>Budget Request</b>	<b>Recommendation</b>
<b>32 ARMY GLOBAL CMD &amp; CONTROL SYS (AGCCS)</b>	<b>33,513</b>	<b>31,513</b>
Authorization Adjustment		-2,000
<b>35 SINGARS FAMILY</b>	<b>84,888</b>	<b>87,288</b>
Radio Personality Modules for SINGARS Test Sets		2,400
<b>39 COMMS-ELEC EQUIP FIELDING</b>	<b>7,828</b>	<b>14,152</b>
SHERPA Interoperable Deployable Communications System		2,000
Minnesota Satellite Multi-Modal Collaborative Crisis and Training Network		2,224
Minnesota Helicopter Civil Band Radio Communication System		1,300
Aircraft Landing System		800
<b>47 INFORMATION SYSTEM SECURITY PROGRAM-ISSP</b>	<b>76,570</b>	<b>77,770</b>
Critical Army Systems Cyber Attack Technology (CASCAT)		1,200
<b>52 INFORMATION SYSTEMS</b>	<b>278,999</b>	<b>273,999</b>
Unjustified Program Growth		-5,000
<b>54 INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM</b>	<b>231,336</b>	<b>233,336</b>
Information Technology Upgrades at the Detroit Arsenal		2,000
<b>61 TACTICAL UNMANNED AERIAL SYS (TUAS) MIP</b>	<b>316,598</b>	<b>237,898</b>
Program Production Decision Delay		-36,000
Warrior Block 0 Sensor Upgrade		1,600
Army Requested Transfer to RDTE,A, line 175		-49,300
MQ-5B Hunter UAV		5,000
<b>71 ITEMS LESS THAN \$5.0M (MIP)</b>	<b>27,731</b>	<b>30,731</b>
Wideband Imagery Dissemination System for the ARNG		3,000
<b>77 NIGHT VISION DEVICES</b>	<b>465,592</b>	<b>469,192</b>
Handheld High-Intensity Illumination System		2,400
AN/PSQ-23 Small Tactical Optical Rifle Mounted Micro-Laser Range Finder		1,200
<b>LONG RANGE ADVANCED SCOUT SURVEILLANCE</b>		
<b>78 SYSTEM</b>	<b>210,766</b>	<b>204,766</b>
Unjustified Cost Growth		-6,000
<b>80 RADIATION MONITORING SYSTEMS</b>	<b>3,440</b>	<b>1,890</b>
Funded in FY 2008 Supplemental		-1,550
<b>83 MOD OF IN-SVC EQUIPMENT</b>	<b>0</b>	<b>800</b>
Retrofit 30th HBCT Radios with Embedded SAAMS Card		800
<b>85 PROFILER</b>	<b>12,517</b>	<b>9,017</b>
Authorization Adjustment		-3,500
<b>87 FORCE XXI BATTLE CMD BRIGADE &amp; BELOW (FBCB2)</b>	<b>231,651</b>	<b>243,651</b>
Blue Force Tracker		12,000

P-1		Budget Request	Recommendation
88	LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLD) Funded in FY 2008 Supplemental	150,094	135,094 -15,000
94	TACTICAL OPERATIONS CENTERS Authorization Adjustment	196,245	147,245 -49,000
95	FIRE SUPPORT C2 FAMILY Army Field Artillery Tactical Data Systems Software for the Kentucky Army National Guard Advanced Field Artillery Tactical Data Systems (AFATDS)	53,908	57,908 2,400 1,600
98	AIR & MSL DEFENSE PLANNING & CONTROL SYSTEM (AMD) Unjustified Cost Growth	57,674	53,709 -3,965
100	LIFE CYCLE SOFTWARE SUPPORT (LCSS) Maritime Domain Awareness Sensors and Software	2,101	4,501 2,400
101	AUTOMATIC IDENTIFICATION TECHNOLOGY Army Aviation - Automatic Identification Technology Life Cycle Asset	83,530	85,530 2,000
107	SINGLE ARMY LOGISTICS ENTERPRISE (SALE) Authorization Adjustment	67,960	65,460 -2,500
111	AUTOMATED DATA PROCESSING EQUIP Joint Incident Scene Communication Capability Interoperable Radios for Texas ARNG Disaster Response	105,343	108,143 2,000 800
118	ITEMS UNDER \$5M (SSE) Selective Availability Anti-Spoofing Module (SAASM) Precise Positioning Service (PPS) GPS	6,517	8,117 1,600
120	PROTECTIVE SYSTEMS Battlefield Anti-Intrusion System (BAIS)	1,085	3,485 2,400
125	TACTICAL BRIDGE, FLOAT-RIBBON Unjustified Cost Growth in Common Bridge Transporter	147,270	135,040 -12,230
128	EXPLOSIVE ORDNANCE DISPOSAL EQPMT (EOD EQPMT) FIDO Explosives Detector Remote Activation Munitions System (MI-RAMS)	58,437	64,237 3,000 2,800
134	LIGHTWEIGHT MAINTENANCE ENCLOSURE (LME) Lightweight Maintenance Enclosure (LME)	0	4,320 4,320
137	FIELD FEEDING EQUIPMENT Multi-Temperature Refrigerated Container System	70,847	73,247 2,400
142	QUALITY SURVEILLANCE EQUIPMENT Funded in FY 2008 Supplemental	1,285	0 -1,285

<b>P-1</b>	<b>Budget Request</b>	<b>Recommendation</b>
<b>145 COMBAT SUPPORT MEDICAL</b>	<b>62,336</b>	<b>70,336</b>
Future Combat Support Hospital		3,200
Life Support for Trauma and Transport (LSTAT)		2,400
Future Medical Shelter System (FMSS)		2,400
<b>165 GENERATORS AND ASSOCIATED EQUIP</b>	<b>217,749</b>	<b>218,453</b>
Minnesota Army National Guard Armory Emergency Response Generators		704
<b>169 TRAINING DEVICES, NONSYSTEM</b>	<b>218,614</b>	<b>285,584</b>
Call For Fire Trainer II (CFFT II) / Joint Fires and Effects Trainer System		4,500
Call For Fire Trainer (CFFT) for the Army National Guard		3,200
Mobile Virtual Training Capability (MVTC)		2,500
Laser Marksmanship Training System (LMTS)		3,200
Combat Skills Marksmanship Trainer for the Army National Guard		4,000
Muscatatuck Urban Training Center (MUTC) Instrumentation		2,400
Combat Skills Simulation Systems, Ohio Army National Guard		3,720
Flextrain Exportable Combat Training Capability (XCTC)		800
1/25th SIB Range (ATREP)		7,000
Combat Arms Training Systems (FATS upgrade)		1,600
Combined Arms Virtual Trainer for the Tennessee Army National Guard		4,000
Deployable, Mobile Digital Target System for Armor and Infantry, Tennessee Army National Guard		450
Engagement Skill Trainer 2000 for the Tennessee Army National Guard		800
I-HITS for Montana Joint Training		3,000
Immersive Group simulation Virtual Training Systems for the Hawaii Army National Guard		1,200
National Guard		1,400
Laser Collective Combat Advanced Training Systems		3,200
Training Range Enhancements		16,000
Virtual Interactive Combat Environment for the New Jersey Army National Guard		4,000
<b>170 CLOSE COMBAT TACTICAL TRAINER</b>	<b>60,676</b>	<b>63,076</b>
Texas Army National Guard Future Soldier Trainer Program		2,400
<b>175 RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT</b>	<b>20,190</b>	<b>22,590</b>
New Combat Helmet		2,400
<b>176 PHYSICAL SECURITY SYSTEMS (OPA3)</b>	<b>104,774</b>	<b>106,374</b>
Ballistic Protection for Remote Forward Operating Bases		1,600
<b>181 SPECIAL EQUIPMENT FOR USER TESTING</b>	<b>24,201</b>	<b>29,001</b>
Operational Test-Tactical Engagement System Communications Upgrade		4,800

#### HIGH MOBILITY MULTI-PURPOSE WHEELED VEHICLES (HMMWV)

There is concern with the threat of Soldiers and Marines becoming trapped in overturned HMMWVs. The Army and Marine Corps are encouraged to outfit deployed HMMWVs with a means of rapid emergency egress in the event that the vehicle's doors are inoperable.

#### LIMITATION ON SINGLE CHANNEL GROUND AND AIRBORNE RADIO SYSTEM (SINCGARS) PROCUREMENT

The bill includes \$87,288,000 for the procurement of SINCGARS radios. However, concerns remain about the ability of the Army to adequately manage contracts to fulfill increased operational requirements for SINCGARS radios. In particular, recent acquisition decisions and justifications by the Department of the Army raise questions about its procurement strategies, especially as they relate to the Joint Tactical Radio System (JTRS). Therefore, none of the funds in this Act shall be used for procurement of SINCGARS radios until the Secretary of Defense certifies to the congressional defense committees that any such procurement of SINCGARS radios will utilize full and open competition that will provide best value for Army radio requirements including consideration of multi-band, JTRS capable solutions.

#### SNIPER DEFEAT

There is concern over the Army's slowly evolving approach to providing materiel solutions to the field for Sniper Defeat. To date, the Army has not requested funds for Sniper Defeat in spite of the fact that this issue has been a major concern since the spring of 2006. In February 2007, the Vice Chief of Staff, Army directed that a soldier borne and vehicle/fixed site system be designated as programs of record. As of June 2008, the Army had neither designated a program of record for either the soldier or fixed site program nor had the Army programmed or budgeted any funds for either of these efforts. A notional program schedule for the soldier borne system revealed that initial procurement would not occur until the end of fiscal year 2010 at the earliest. This is an incorrect acquisition approach for what are essentially off the shelf, go to war systems. The Army is expected to budget sufficient funds to ensure all deploying units are equipped with both soldier borne as well as vehicle/fixed site capabilities during pre-deployment training as well as during their deployment.

#### AIRCRAFT PROCUREMENT, NAVY

For Aircraft Procurement, Navy, funds are to be available for fiscal year 2009, as follows:



(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	QTY	AMOUNT
-----					
AIRCRAFT PROCUREMENT, NAVY					
COMBAT AIRCRAFT					
AV-8B (V/STOL)HARRIER (MYP).....	---	3,401	---	---	---
EA-18G.....	22	1,604,800	22	---	-53,000
EA-18G (AP-CY).....	---	46,831	---	---	---
F/A-18E/F (FIGHTER) HORNET (MYP).....	23	1,868,688	23	---	-49,000
F/A-18E/F (FIGHTER) HORNET (MYP) (AP-CY).....	---	42,616	---	---	---
JOINT STRIKE FIGHTER.....	8	1,602,084	7	-1	-162,800
JOINT STRIKE FIGHTER ADVANCE PROCUREMENT (CY).....	---	258,814	---	---	-43,130
V-22 (MEDIUM LIFT).....	30	2,133,401	30	---	---
V-22 (MEDIUM LIFT) (AP-CY).....	---	87,000	---	---	---
UH-1Y/AH-1Z.....	20	474,141	18	-2	-40,800
MH-60S (MYP).....	18	470,455	18	---	---
MH-60S (MYP) (AP-CY).....	---	79,215	---	---	---
MH-60R.....	31	1,045,004	31	---	+8,000
MH-60R (AP-CY).....	---	140,759	---	---	---
P-8 MMA ADVANCE PROCUREMENT.....	---	110,568	---	---	---
E-2C (EARLY WARNING) HAWKEYE (MYP).....	3	496,374	3	---	-165,500
E-2C (EARLY WARNING) HAWKEYE (MYP) (AP-CY).....	---	92,749	---	---	-37,926
		-----			-----
TOTAL, COMBAT AIRCRAFT.....		10,556,900			10,012,744
					-544,156
AIRLIFT AIRCRAFT					
C-40A.....	2	154,994	2	---	---
		-----			-----
TOTAL, AIRLIFT AIRCRAFT.....		154,994			154,994
					---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM	
	QTY	AMOUNT	QTY	QTY	AMOUNT
-----					
TRAINER AIRCRAFT					
JPATS.....	44	289,253	44	---	-1,300
-----					
TOTAL, TRAINER AIRCRAFT.....		289,253			-1,300
-----					
OTHER AIRCRAFT					
KC-130J.....	2	119,545	2	---	---
KC-130J (AP-CY).....	---	33,932	---	---	---
VTUAV.....	3	55,337	3	---	-5,000
-----					
TOTAL, OTHER AIRCRAFT.....		208,814			-5,000
-----					
MODIFICATION OF AIRCRAFT					
EA-6 SERIES.....	---	33,436	---	---	---
AV-8 SERIES.....	---	51,093	---	---	-7,900
F-18 SERIES.....	---	450,909	---	---	-1,700
H-46 SERIES.....	---	34,636	---	---	---
AH-1W SERIES.....	---	6,375	---	---	---
H-53 SERIES.....	---	56,381	---	---	+18,400
SH-60 SERIES.....	---	72,493	---	---	---
H-1 SERIES.....	---	8,901	---	---	---
EP-3 SERIES.....	---	72,370	---	---	-7,700
P-3 SERIES.....	---	297,896	---	---	-7,000
E-2 SERIES.....	---	11,489	---	---	+16,000
TRAINER A/C SERIES.....	---	26,160	---	---	-4,000
C-2A.....	---	22,120	---	---	---
C-130 SERIES.....	---	6,468	---	---	---

(DOLLARS IN THOUSANDS)

	BUDGET	REQUEST	RECOMMENDED	CHANGE	FROM	REQUEST
	QTY	AMOUNT	QTY	QTY	AMOUNT	AMOUNT
FEWSG.....	---	671	---	---	671	---
CARGO/TRANSPORT A/C SERIES.....	---	17,952	---	---	16,252	-1,700
E-6 SERIES.....	---	88,894	---	---	88,894	---
EXECUTIVE HELICOPTERS SERIES.....	---	31,819	---	---	51,819	+20,000
SPECIAL PROJECT AIRCRAFT.....	---	14,113	---	---	18,113	+4,000
T-45 SERIES.....	---	67,666	---	---	65,666	-2,000
POWER PLANT CHANGES.....	---	28,219	---	---	26,219	-2,000
JPATS SERIES.....	---	8,892	---	---	8,892	---
AVIATION LIFE SUPPORT MODS.....	---	7,190	---	---	1,990	-5,200
COMMON ECM EQUIPMENT.....	---	66,425	---	---	74,825	+8,400
COMMON AVIONICS CHANGES.....	---	148,940	---	---	148,940	---
COMMON DEFENSIVE WEAPON SYSTEM.....	---	10,786	---	---	7,286	-3,500
ID SYSTEMS.....	---	12,032	---	---	12,032	---
V-22 (TILT/ROTOR ACFT) OSPREY.....	---	41,473	---	---	41,473	---
TOTAL, MODIFICATION OF AIRCRAFT.....		1,695,799			1,719,899	+24,100
AIRCRAFT SPARES AND REPAIR PARTS						
SPARES AND REPAIR PARTS.....	---	1,229,135	---	---	1,175,635	-53,500
AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES						
COMMON GROUND EQUIPMENT.....	---	442,390	---	---	446,790	+4,400
AIRCRAFT INDUSTRIAL FACILITIES.....	---	11,068	---	---	11,068	---
WAR CONSUMABLES.....	---	62,256	---	---	62,256	---
OTHER PRODUCTION CHARGES.....	---	27,870	---	---	27,870	---
SPECIAL SUPPORT EQUIPMENT.....	---	36,539	---	---	36,539	---
FIRST DESTINATION TRANSPORTATION.....	---	1,756	---	---	1,756	---
TOTAL, AIRCRAFT SUPPORT EQUIPMENT & FACILITIES..		581,879			586,279	+4,400
TOTAL, AIRCRAFT PROCUREMENT, NAVY.....		14,716,774			14,141,318	-575,456

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
(in thousands of dollars)

P-1	Budget Request	Recommendation
2 EA-18G Increased Foreign Military Sales	1,604,800	1,551,800 -53,000
4 F/A-18E/F (FIGHTER) HORNET (MYP) Increased Foreign Military Sales	1,868,688	1,819,688 -49,000
6 JOINT STRIKE FIGHTER Procurement Ramp - Defer One Aircraft	1,602,084	1,439,284 -162,800
7 JOINT STRIKE FIGHTER ADVANCE PROCUREMENT (CY) Fact-of-life Schedule Change	258,814	215,684 -43,130
10 UH-1Y/AH-1Z Defer 2 UH-1Y	474,141	433,341 -40,800
13 MH-60R ASW Enhancements	1,045,004	1,053,004 8,000
16 E-2C (EARLY WARNING) HAWKEYE (MYP) Authorization Reduction	496,374	330,874 -165,500
17 E-2C (EARLY WARNING) HAWKEYE (MYP) (AP-CY) Excess Advance Procurement	92,749	54,823 -37,926
20 JPATS Support Funding Carryover	289,253	287,953 -1,300
24 VTUAV Fire Scout Contract Delay	55,337	50,337 -5,000
27 AV-8 SERIES Day to Night Conversion Kit Ahead of Need	51,093	43,193 -7,900
29 F-18 SERIES ECP 583R2 Growth IR Marker ECP Growth F/A-18 Expand 4/5 Upgrade for USMC	450,909	449,209 -5,700 -3,600 7,600
32 H-53 SERIES AN/AVS-7 Day Heads-Up Display (DayHUD) Transfer from FY 2008 Supplemental for IMDS Integrated Mechanical Diagnostics Health and Usage Management System and Condition Based Maintenance for the H-53E Advanced Helicopter Emergency Egress Lighting System	56,381	74,781 5,000 7,800 4,000 1,600
35 EP-3 SERIES Joint Signals Intelligence Avionics Family Modification Non-recurring Growth	72,370	64,670 -7,700
36 P-3 SERIES Special Structural Inspection Kits Phasing EP-3 Rotable Pool Outer Wing Kit Phasing Network Centric Collaborative Targeting (NCCT) for P-3C Aircraft	297,896	290,896 -2,400 -7,800 3,200

<b>P-1</b>	<b>Budget Request</b>	<b>Recommendation</b>
<b>38 E-2 SERIES</b>	<b>11,489</b>	<b>27,489</b>
Reliability Enhancements		16,000
<b>39 TRAINER A/C SERIES</b>	<b>26,160</b>	<b>22,160</b>
Avionics Upgrade Training Equipment Growth		-4,000
<b>43 CARGO/TRANSPORT A/C SERIES</b>	<b>17,952</b>	<b>16,252</b>
Communication, Navigation, Surveillance/Air Traffic Management (CNS/ATM) Installation Kits Growth		-1,700
<b>45 EXECUTIVE HELICOPTERS SERIES</b>	<b>31,819</b>	<b>51,819</b>
Reliability Enhancements for Presidential Aircraft		20,000
<b>46 SPECIAL PROJECT AIRCRAFT</b>	<b>14,113</b>	<b>18,113</b>
C4ISR Operations and Training		4,000
<b>47 T-45 SERIES</b>	<b>67,666</b>	<b>65,666</b>
Virtual Mission Training System (VMTS) Installation Kit Growth		-2,000
<b>48 POWER PLANT CHANGES</b>	<b>28,219</b>	<b>26,219</b>
Excessive Growth		-2,000
<b>50 AVIATION LIFE SUPPORT MODS</b>	<b>7,190</b>	<b>1,990</b>
Chemical Agent Detector Program Delay		-5,200
<b>51 COMMON ECM EQUIPMENT</b>	<b>66,425</b>	<b>74,825</b>
AAR-47 Missile Advanced Warning System		4,000
Crane NSWC IDECM Depot Capability		1,600
Common ECM Equipment (ALQ-214)		2,800
<b>53 COMMON DEFENSIVE WEAPON SYSTEM</b>	<b>10,786</b>	<b>7,286</b>
Partially funded in FY2008 Supplemental		-3,500
<b>56 SPARES AND REPAIR PARTS</b>	<b>1,229,135</b>	<b>1,175,635</b>
Excess funding for T-45, H-60, EA-18G, H-1 Aircraft		-46,400
Reduction in Aircraft Buys		-7,100
<b>57 COMMON GROUND EQUIPMENT</b>	<b>442,390</b>	<b>446,790</b>
Advanced Skills Management (ASM) System		1,200
Direct Squadron Support Readiness Training Program		3,200

## F/A-18 SUPER HORNET

Shortfalls exist in the Navy's strike-fighter inventory caused by the aging of older tactical aircraft and the fact that the F-35 Joint Strike Fighter program will not begin to deliver carrier aircraft in significant quantities for several years. In the most optimistic scenario, the shortfall is approximately 69 aircraft and it could be well above that level. To ensure that the Navy has sufficient aircraft for the fleet, the Navy is encouraged to budget for a third multi-year procurement of Super Hornet aircraft beginning in fiscal year 2010. In addition, cost reduction measures which will yield future savings for this program should be explored.

## WEAPONS PROCUREMENT, NAVY

For Weapons Procurement, Navy, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED		CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT
-----						
WEAPONS PROCUREMENT, NAVY						
BALLISTIC MISSILES						
MODIFICATION OF MISSILES						
TRIDENT II MODS.....	24	1,093,168	24	1,088,268	---	-4,900
SUPPORT EQUIPMENT AND FACILITIES						
MISSILE INDUSTRIAL FACILITIES.....						
	---	3,496	---	3,496	---	---
-----						
TOTAL, BALLISTIC MISSILES.....		1,096,664		1,091,764		-4,900
OTHER MISSILES						
STRATEGIC MISSILES						
TOMAHAWK.....						
	207	281,096	207	281,096	---	---
TACTICAL MISSILES						
AMRAAM.....						
	147	146,830	147	93,230	---	-53,600
SIDEWINDER.....						
	205	57,497	205	57,497	---	---
JSOW.....						
	496	149,144	496	143,044	---	-6,100
STANDARD MISSILE.....						
	70	227,958	70	225,958	---	-2,000
RAM.....						
	90	74,287	90	70,987	---	-3,300
HELLFIRE.....						
	1,068	95,358	1,068	92,258	---	-3,100
AERIAL TARGETS.....						
	---	83,313	---	78,813	---	-4,500
OTHER MISSILE SUPPORT.....						
	---	9,478	---	9,478	---	---
MODIFICATION OF MISSILES						
ESSM.....						
	86	85,061	86	85,061	---	---
HARM MODS.....						
	---	42,735	---	22,400	---	-20,335
STANDARD MISSILES MODS.....						
	---	77,360	---	77,360	---	---
SUPPORT EQUIPMENT AND FACILITIES						
WEAPONS INDUSTRIAL FACILITIES.....						
	---	3,266	---	41,266	---	+38,000
FLEET SATELLITE COMM FOLLOW-ON.....						
	---	479,680	---	316,180	---	-163,500
FLEET SATELLITE COMM FOLLOW-ON (AP-CY).....						
	---	27,776	---	27,776	---	---
ORDNANCE SUPPORT EQUIPMENT						
ORDNANCE SUPPORT EQUIPMENT.....						
	---	43,708	---	43,708	---	---
-----						
TOTAL, OTHER MISSILES.....		1,884,547		1,666,112		-218,435

(DOLLARS IN THOUSANDS)

	BUDGET	REQUEST	RECOMMENDED	CHANGE FROM REQUEST
	QTY	AMOUNT	QTY	QTY
			AMOUNT	AMOUNT
-----				
TORPEDOES AND RELATED EQUIPMENT				
TORPEDOES AND RELATED EQUIP				
ASW TARGETS.....	---	8,929	---	7,429
				---
				-1,500
MOD OF TORPEDOES AND RELATED EQUIP				
MK-46 TORPEDO MODS.....	120	77,782	120	58,882
				---
				-18,900
MK-48 TORPEDO ADCAP MODS.....	---	61,545	---	53,045
				---
				-8,500
QUICKSTRIKE MINE.....	---	3,506	---	3,506
				---
				---
SUPPORT EQUIPMENT				
TORPEDO SUPPORT EQUIPMENT.....	---	36,002	---	36,002
				---
				---
ASW RANGE SUPPORT.....	---	9,872	---	9,872
				---
				---
DESTINATION TRANSPORTATION				
FIRST DESTINATION TRANSPORTATION.....	---	3,442	---	3,442
				---
				---
				---
TOTAL, TORPEDOES AND RELATED EQUIPMENT.....		201,078		172,178
				---
				-28,900
-----				
OTHER WEAPONS				
GUNS AND GUN MOUNTS				
SMALL ARMS AND WEAPONS.....	---	13,619	---	13,619
				---
				---
MODIFICATION OF GUNS AND GUN MOUNTS				
CIWS MODS.....	---	167,967	---	163,767
				---
				-4,200
COAST GUARD WEAPONS.....	---	21,082	---	13,218
				---
				-7,864
GUN MOUNT MODS.....	---	60,061	---	56,906
				---
				-3,155
				---
				---
CRUISER MODERNIZATION WEAPONS.....	---	45,168	---	30,112
				---
				-15,056
AIRBORNE MINE NEUTRALIZATION SYSTEMS.....	---	8,618	---	8,618
				---
				---
OTHER				
MARINE CORPS TACTICAL UNMANNED AERIAL SYSTEM.....	---	20,532	---	20,532
				---
				---
TOTAL, OTHER WEAPONS.....		339,833		309,558
				---
				-30,275
SPARES AND REPAIR PARTS.....	---	53,360	---	53,360
				---
				---
TOTAL, WEAPONS PROCUREMENT, NAVY.....		3,575,482		3,292,972
				---
				-282,510



EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
(in thousands of dollars)

P-1	Budget Request	Recommendation
<b>1 TRIDENT II MODS</b>	<b>1,093,168</b>	<b>1,088,268</b>
Support Funding Growth		-4,900
<b>4 AMRAAM</b>	<b>146,830</b>	<b>93,230</b>
Smooth Production Ramp (Note: Funds 57 Missiles and Telemetry Kits and No Additional Funding for Diminished Manufacturing Sources)		-53,600
<b>6 JSOW</b>	<b>149,144</b>	<b>143,044</b>
Excessive Contractor Support Growth		-3,100
Support Funding Carryover		-3,000
<b>8 STANDARD MISSILE</b>	<b>227,958</b>	<b>225,958</b>
Support Funding Carryover		-2,000
<b>9 RAM</b>	<b>74,287</b>	<b>70,987</b>
Engineering Change Proposal Growth		-2,000
Support Funding Carryover		-1,300
<b>10 HELLFIRE</b>	<b>95,358</b>	<b>92,258</b>
Support Funding Carryover		-3,100
<b>11 AERIAL TARGETS</b>	<b>83,313</b>	<b>78,813</b>
Support Funding Carryover		-4,500
<b>14 HARM MODS</b>	<b>42,735</b>	<b>22,400</b>
Program Delay		-20,335
<b>16 WEAPONS INDUSTRIAL FACILITIES</b>	<b>3,266</b>	<b>41,266</b>
ABL Restoration Plan		38,000
<b>17 FLEET SATELLITE COMM FOLLOW-ON</b>	<b>479,680</b>	<b>316,180</b>
MUOS SV-2-Program Delay		-163,500
<b>21 ASW TARGETS</b>	<b>8,929</b>	<b>7,429</b>
Expendable Mobile Training Target Growth		-1,500
<b>22 MK-46 TORPEDO MODS</b>	<b>77,782</b>	<b>58,882</b>
Support Funding Carryover		-3,300
Program Adjustment		-15,600
<b>23 MK-48 TORPEDO ADCAP MODS</b>	<b>61,545</b>	<b>53,045</b>
Support Funding Carryover		-6,000
Acceptance Test and Evaluation Funding Carryover		-2,500
<b>29 CIWS MODS</b>	<b>167,967</b>	<b>163,767</b>
Engineering Change Orders Growth		-4,200
<b>30 COAST GUARD WEAPONS</b>	<b>21,082</b>	<b>13,218</b>
MK 110 - Funding Ahead of Need		-7,864

---

<b>P-1</b>	<b>Budget Request</b>	<b>Recommendation</b>
<b>31 GUN MOUNT MODS</b>	<b>60,061</b>	<b>56,906</b>
Installation Funding Ahead of Need		-3,155
<b>33 CRUISER MODERNIZATION WEAPONS</b>	<b>45,168</b>	<b>30,112</b>
CG-55 Extended Selected Restricted Availability (ESRA) Equipment		-15,056

## MK-54 TORPEDO

The MK-54 Torpedo will combine features of several existing torpedo programs with updated processing and software to provide improved performance against modern day threats. Development and performance issues have significantly delayed the production of this weapon. The Navy has informed the House and the Senate Committees on Appropriations that the program has become backlogged to such a degree that \$23,000,000 of fiscal year 2008 funding will not be used for fiscal year 2008 torpedo production, but provided to another Navy priority. Increasing the lightweight torpedo inventory is the sixth highest unfunded priority of the Navy. Therefore, the Secretary of the Navy is directed to maintain this funding in the program and use it to finance lightweight torpedo requirements once the torpedo contractor demonstrates a proven production method for the MK-54 program.

## MOBILE-USER OBJECTIVE SYSTEM (MUOS)

In late June 2008, Congress was informed that the Mobile-User Objective System (MUOS) program was encountering problems that would delay the program and the launch of the MUOS satellites. Due to this delay and the fact that the MUOS program's integration and test plan schedule is based on an Air Force satellite program that is several years behind schedule, the recommendation reduces the request by \$163,500,000 for the launch vehicle for the second MUOS satellite. However, the Navy has informed the Congress that despite the current delays to the program, funding may still be required in fiscal year 2009 to purchase the launch vehicle for the second satellite. As such, a reprogramming will be entertained if the Department of Defense determines that, despite the current delays, funding is required to procure a launch vehicle in fiscal year 2009.

PROCUREMENT OF AMMUNITION, NAVY AND MARINE  
CORPS

For Procurement of Ammunition, Navy and Marine Corps, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	QTY	AMOUNT
-----					
PROCUREMENT OF AMMO, NAVY & MARINE CORPS					
PROC AMMO, NAVY					
NAVY AMMUNITION					
GENERAL PURPOSE BOMBS.....		168,437	146,437	---	-22,000
JDAM.....	169	9,306	169	---	---
AIRBORNE ROCKETS, ALL TYPES.....		32,250	32,250	---	---
MACHINE GUN AMMUNITION.....		18,916	18,916	---	---
PRACTICE BOMBS.....		39,419	39,419	---	---
CARTRIDGES & CART ACTUATED DEVICES.....		46,644	46,644	---	---
AIR EXPENDABLE COUNTERMEASURES.....		79,805	79,805	---	---
JATOS.....		3,178	3,178	---	---
MK 258 MOD 1.....		967	---	---	-967
5 INCH/54 GUN AMMUNITION.....		20,959	20,959	---	---
INTERMEDIATE CALIBER GUN AMMUNITION.....		15,780	1,472	---	-14,308
OTHER SHIP GUN AMMUNITION.....		35,111	33,232	---	-1,879
SMALL ARMS & LANDING PARTY AMMO.....		45,129	45,129	---	---
PYROTECHNIC AND DEMOLITION.....		10,464	10,464	---	---
AMMUNITION LESS THAN \$5 MILLION.....		3,207	3,207	---	---
		-----	-----	-----	-----
TOTAL, PROC AMMO, NAVY.....		529,572	490,418		-39,154

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
	QTY AMOUNT	QTY AMOUNT	QTY AMOUNT
PROC AMMO, MARINE CORPS			
MARINE CORPS AMMUNITION			
SMALL ARMS AMMUNITION.....	--- 108,436	--- 108,436	--- ---
LINEAR CHARGES, ALL TYPES.....	--- 17,677	--- 17,677	--- ---
40 MM, ALL TYPES.....	--- 60,433	--- 60,433	--- ---
60MM, ALL TYPES.....	--- 44,846	--- 44,846	--- ---
81MM, ALL TYPES.....	--- 54,879	--- 54,879	--- ---
120MM, ALL TYPES.....	--- 87,500	--- 87,500	--- ---
CTG 25MM, ALL TYPES.....	--- 2,300	--- 2,300	--- ---
GRENADES, ALL TYPES.....	--- 39,038	--- 40,638	--- +1,600
ROCKETS, ALL TYPES.....	--- 26,087	--- 26,087	--- ---
ARTILLERY, ALL TYPES.....	--- 117,213	--- 117,213	--- ---
DEMOLITION MUNITIONS, ALL TYPES.....	--- 18,974	--- 18,974	--- ---
FUZE, ALL TYPES.....	--- 3,460	--- 3,460	--- ---
NON LETHALS.....	--- 2,158	--- 2,158	--- ---
AMMO MODERNIZATION.....	--- 5,644	--- 5,644	--- ---
ITEMS LESS THAN \$5 MILLION.....	--- 4,495	--- 4,495	--- ---
TOTAL, PROC AMMO, MARINE CORPS.....	593,140	594,740	+1,600
TOTAL, PROCUREMENT OF AMMO, NAVY & MARINE CORPS.	1,122,712	1,085,158	-37,554

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
(in thousands of dollars)

<b>P-1</b>	<b>Budget Request</b>	<b>Recommendation</b>
<b>1 GENERAL PURPOSE BOMBS</b>	<b>168,437</b>	<b>146,437</b>
Funding Ahead of Need for PIP		-22,000
<b>10 MK 258 MOD 1</b>	<b>967</b>	<b>0</b>
Development Delay for RAMICS		-967
<b>12 INTERMEDIATE CALIBER GUN AMMUNITION</b>	<b>15,780</b>	<b>1,472</b>
57mm Ammunition Contract Delay		-14,308
<b>13 OTHER SHIP GUN AMMUNITION</b>	<b>35,111</b>	<b>33,232</b>
30mm HEI-T Cartridge Growth		-1,879
<b>28 GRENADES, ALL TYPES</b>	<b>39,038</b>	<b>40,638</b>
Grenades, All Types		1,600

SHIPBUILDING AND CONVERSION, NAVY

For Shipbuilding and Conversion, Navy, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET	REQUEST	RECOMMENDED	CHANGE	FROM	REQUEST
	QTY	AMOUNT	QTY	QTY	REQUEST	AMOUNT
<b>SHIPBUILDING &amp; CONVERSION, NAVY</b>						
OTHER WARSHIPS						
CARRIER REPLACEMENT PROGRAM	---	2,712,251	---	2,692,607	---	-19,644
CARRIER REPLACEMENT PROGRAM (AP-CY)	---	1,214,188	---	1,214,188	---	---
VIRGINIA CLASS SUBMARINE	1	2,107,040	1	2,107,040	---	---
VIRGINIA CLASS SUBMARINE (AP-CY)	---	1,316,548	---	1,395,548	---	+79,000
CVN REFUELING OVERHAUL	1	606,561	1	593,534	---	-13,027
CVN REFUELING OVERHAULS (AP-CY)	---	21,389	---	21,389	---	---
SSBN ERO	1	221,823	1	221,823	---	---
SSBN ERO (AP-CY)	---	39,363	---	39,363	---	---
DDG 1000	1	2,502,803	1	1,508,803	---	-994,000
DDG 1000 (AP-CY)	---	50,980	---	---	---	-50,980
DDG-51 (AP-CY)	---	---	---	200,000	---	+200,000
LITTORAL COMBAT SHIP	2	920,000	2	1,020,000	---	+100,000
TOTAL, OTHER WARSHIPS		11,712,946		11,014,295		-698,651
AMPHIBIOUS SHIPS						
LPD-17	---	103,216	1	933,216	+1	+830,000
LHA REPLACEMENT	---	---	---	178,300	---	+178,300
INTRATHEATER CONNECTOR	1	174,782	1	174,782	---	---
TOTAL, AMPHIBIOUS SHIPS		277,998		1,286,298		+1,008,300
AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM COSTS						
OUTFITTING	---	429,587	---	429,587	---	---
SERVICE CRAFT	---	36,317	---	48,117	---	+11,800
LCAC SLEP	6	110,918	6	110,918	---	---
COMPLETION OF PY SHIPBUILDING PROGRAMS	---	165,152	---	165,152	---	---
TOTAL, AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRA		741,974		753,774		+11,800
TOTAL, SHIPBUILDING & CONVERSION, NAVY		12,732,918		13,054,367		+321,449



**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
(in thousands of dollars)

<b>P-1</b>	<b>Budget Request</b>	<b>Recommendation</b>
<b>1 CARRIER REPLACEMENT PROGRAM</b>	<b>2,712,251</b>	<b>2,692,607</b>
AN/SLQ-32 Growth		-2,000
Hull, Mechanical, and Electrical Support Services Growth		-12,000
Excess Global Command and Control - Maritime Support Funding		-1,644
Cooperative Engagement Capability Excess Funding		-4,000
<b>4 VIRGINIA CLASS SUBMARINE (AP-CY)</b>	<b>1,316,548</b>	<b>1,395,548</b>
Economic Order Quantity		79,000
<b>5 CVN REFUELING OVERHAUL</b>	<b>606,561</b>	<b>593,534</b>
Combat Systems Integration		-13,027
<b>10 DDG 1000</b>	<b>2,502,803</b>	<b>1,508,803</b>
AGS Pallets		6,000
Split Funding of Third Ship		-1,000,000
<b>11 DDG 1000 (AP-CY)</b>	<b>50,980</b>	<b>0</b>
Defer Advance Procurement		-50,980
<b>12 DDG-51 (AP)</b>	<b>0</b>	<b>200,000</b>
Advance Procurement		200,000
<b>13 LITTORAL COMBAT SHIP</b>	<b>920,000</b>	<b>1,020,000</b>
Cost Growth		100,000
<b>14 LPD-17</b>	<b>103,216</b>	<b>933,216</b>
Split Funding of 10th Ship		830,000
<b>16 LHA REPLACEMENT</b>	<b>0</b>	<b>178,300</b>
Transfer from NDSF		348,300
Authorization Reduction		-170,000
<b>21 SERVICE CRAFT</b>	<b>36,317</b>	<b>48,117</b>
Large Harbor Tugs		11,800

## LITTORAL COMBAT SHIP (LCS)

The bill includes \$1,020,000,000 for two LCS seaframes and a rescission of \$337,000,000 in fiscal year 2008 LCS funding. Additionally, funds and material from fiscal year 2006 can be used to supplement the fiscal year 2009 LCS program. Due to industrial base concerns, the Navy is directed to make contract awards for the two fiscal year 2009 LCS seaframes as soon as practicable.

## LPD-17

The bill includes \$933,000,000 for the first year of split funding for the LPD-26. The Navy is directed to budget for the remaining funding requirement in fiscal year 2010.

## SURFACE COMBATANT FUNDING

The bill includes \$1,507,603,000 for the first year of split funding for the DDG-1000 program. The Navy is directed to budget for the remaining funding requirement in fiscal year 2010 and to award a construction contract consistent with the ship's current acquisition schedule and the Joint Requirements Oversight Council (JROC) review described in the next section. The bill also includes \$200,000,000 in advance procurement funding to preserve the option to restart the DDG-51 class destroyer program.

## SURFACE COMBATANT REVIEW

The Navy's recent decision to truncate production of the DDG-1000 Zumwalt Class destroyers and restart production of the DDG-51 Arleigh Burke Class destroyers will require a program review by the Joint Requirements Oversight Council (JROC). Therefore, the Department is directed to complete a JROC program review, as expeditiously as possible, that examines the Navy's proposal and addresses the warfighting requirements implications of this decision and revalidates future surface combatant warfighting requirements prior to the obligation of any fiscal year 2009 procurement funds for either destroyer program.

## SHIPBUILDING INDUSTRIAL BASE STUDY

The Department's Cost Analysis Improvement Group is conducting a study of the shipbuilding industrial base. The Secretary of Defense is directed to submit the results of that study to the congressional defense committees upon its conclusion.

## OTHER PROCUREMENT, NAVY

For Other Procurement, Navy, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST
	QTY	AMOUNT	QTY	QTY
			AMOUNT	AMOUNT
-----				
OTHER PROCUREMENT, NAVY				
SHIPS SUPPORT EQUIPMENT				
SHIP PROPULSION EQUIPMENT				
LM-2500 GAS TURBINE.....	---	7,973	7,973	---
ALLISON 501K GAS TURBINE.....	---	9,405	9,405	---
OTHER PROPULSION EQUIPMENT.....	---	38,800	21,300	-17,500
NAVIGATION EQUIPMENT				
OTHER NAVIGATION EQUIPMENT.....	---	47,549	44,723	-2,826
PERISCOPES				
SUB PERISCOPES & IMAGING EQUIP.....	---	69,078	67,378	-1,700
OTHER SHIPBOARD EQUIPMENT				
DDG MOD.....	---	165,496	165,496	---
FIREFIGHTING EQUIPMENT.....	---	8,293	8,293	---
COMMAND AND CONTROL SWITCHBOARD.....	---	6,345	6,345	---
POLLUTION CONTROL EQUIPMENT.....	---	27,923	27,923	---
SUBMARINE SUPPORT EQUIPMENT.....	---	22,686	22,686	---
VIRGINIA CLASS SUPPORT EQUIPMENT.....	---	199,904	183,204	-16,700
SUBMARINE BATTERIES.....	---	41,132	41,132	---
STRATEGIC PLATFORM SUPPORT EQUIP.....	---	9,953	9,953	---
DSSP EQUIPMENT.....	---	5,733	5,733	---
CG-MODERNIZATION.....	---	232,370	165,654	-66,716
LCAC.....	---	174	174	---
MINESWEEPING EQUIPMENT.....	---	11,991	10,651	-1,340
ITEMS LESS THAN \$5 MILLION.....	---	136,156	130,514	-5,642
CHEMICAL WARFARE DETECTORS.....	---	6,598	6,598	---
SUBMARINE LIFE SUPPORT SYSTEM.....	---	15,212	15,212	---

(DOLLARS IN THOUSANDS)

	BUDGET	REQUEST	RECOMMENDED	CHANGE	FROM	REQUEST
	QTY	AMOUNT	QTY	QTY	AMOUNT	AMOUNT
-----						
REACTOR PLANT EQUIPMENT						
REACTOR COMPONENTS.....	---	236,693	---	---	236,693	---
OCEAN ENGINEERING						
DIVING AND SALVAGE EQUIPMENT.....	---	6,549	---	---	6,549	---
SMALL BOATS						
STANDARD BOATS.....	---	17,839	---	---	26,839	+9,000
TRAINING EQUIPMENT						
OTHER SHIPS TRAINING EQUIPMENT.....	---	5,689	---	---	5,689	---
PRODUCTION FACILITIES EQUIPMENT						
OPERATING FORCES IPE.....	---	51,631	---	---	55,695	+4,064
OTHER SHIP SUPPORT						
NUCLEAR ALTERATIONS.....	---	70,694	---	---	70,694	---
LCS MODULES.....	---	131,241	---	---	73,902	-57,339
LSD MIDLIFE.....	---	90,675	---	---	90,608	-67
TOTAL, SHIPS SUPPORT EQUIPMENT.....		1,673,782			1,517,016	-156,766
-----						
COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
SHIP RADARS						
RADAR SUPPORT.....	2	10,503	2	---	13,703	+3,200
SHIP SONARS						
SPQ-9B RADAR.....	---	9,281	---	---	9,981	+700
AN/SQQ-89 SURF ASW COMBAT SYSTEM.....	3	117,685	3	---	102,160	-15,525
SSN ACOUSTICS.....	---	284,153	---	---	276,029	-8,124
UNDERSEA WARFARE SUPPORT EQUIPMENT.....	3	15,578	3	---	15,578	---
SONAR SWITCHES AND TRANSDUCERS.....	---	13,858	---	---	11,158	-2,700
ASW ELECTRONIC EQUIPMENT						
SUBMARINE ACOUSTIC WARFARE SYSTEM.....	---	20,857	---	---	20,857	---
SSTD.....	---	10,058	---	---	19,658	+9,600
FIXED SURVEILLANCE SYSTEM.....	---	44,997	---	---	49,797	+4,800
SURTASS.....	---	26,675	---	---	26,675	---
TACTICAL SUPPORT CENTER.....	---	25,188	---	---	25,188	---
ELECTRONIC WARFARE EQUIPMENT						
AN/SLQ-32.....	---	29,280	---	---	22,968	-6,312
RECONNAISSANCE EQUIPMENT						
SHIPBOARD IW EXPLOIT.....	---	83,408	---	---	80,008	-3,400
SUBMARINE SURVEILLANCE EQUIPMENT						
SUBMARINE SUPPORT EQUIPMENT PROG.....	---	103,597	---	---	103,597	---
OTHER SHIP ELECTRONIC EQUIPMENT						
COOPERATIVE ENGAGEMENT CAPABILITY.....	---	34,561	---	---	29,061	-5,500
GCCS-M EQUIPMENT.....	---	25,923	---	---	25,923	---
NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS).....	---	31,283	---	---	29,651	-1,632
ATDLS.....	---	14,206	---	---	14,206	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	QTY	AMOUNT
MINESWEEPING SYSTEM REPLACEMENT.....	---	49,024	---	---	+1,000
SHALLOW WATER MCM.....	---	7,355	---	---	---
NAVSTAR GPS RECEIVERS (SPACE).....	---	10,893	---	---	---
ARMED FORCES RADIO AND TV.....	---	4,178	---	---	---
STRATEGIC PLATFORM SUPPORT EQUIP.....	---	4,106	---	---	---
TRAINING EQUIPMENT					
OTHER TRAINING EQUIPMENT.....	---	29,791	---	---	---
AVIATION ELECTRONIC EQUIPMENT					
MATCAL.....	---	17,409	---	---	---
SHIPBOARD AIR TRAFFIC CONTROL.....	---	7,944	---	---	---
AUTOMATIC CARRIER LANDING SYSTEM.....	---	18,787	---	---	-2,500
NATIONAL AIR SPACE SYSTEM.....	---	29,066	---	---	---
AIR STATION SUPPORT EQUIPMENT.....	---	8,238	---	---	---
MICROWAVE LANDING SYSTEM.....	---	10,799	---	---	---
ID SYSTEMS.....	---	34,560	---	---	-3,100
TAC A/C MISSION PLANNING SYS(TAMPS).....	---	9,512	---	---	---
OTHER SHORE ELECTRONIC EQUIPMENT					
DEPLOYABLE JOINT COMMAND AND CONT.....	---	9,031	---	---	---
TADIX-B.....	---	5,309	---	---	---
GCCS-M EQUIPMENT TACTICAL/MOBILE.....	---	6,209	---	---	-1,000
COMMON IMAGERY GROUND SURFACE SYSTEMS.....	---	67,133	---	---	-28,800
RADIAC.....	---	9,840	---	---	---
GPETE.....	---	5,521	---	---	---
INTEG COMBAT SYSTEM TEST FACILITY.....	---	4,558	---	---	---
EMI CONTROL INSTRUMENTATION.....	---	8,384	---	---	---
ITEMS LESS THAN \$5 MILLION.....	---	48,930	---	---	-5,500
SHIPBOARD COMMUNICATIONS					
SHIPBOARD TACTICAL COMMUNICATIONS.....	---	9	---	---	---
PORTABLE RADIOS.....	---	14,352	---	---	---
SHIP COMMUNICATIONS AUTOMATION.....	---	333,335	---	---	-6,000
COMMUNICATIONS ITEMS UNDER \$5M.....	---	35,647	---	---	+2,400

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM	
	QTY	AMOUNT	QTY	QTY	AMOUNT
SUBMARINE COMMUNICATIONS					
SUBMARINE BROADCAST SUPPORT.....	---	3,139	---	---	---
SUBMARINE COMMUNICATION EQUIPMENT.....	---	76,761	---	---	+3,000
SATELLITE COMMUNICATIONS					
SATELLITE COMMUNICATIONS SYSTEMS.....	---	122,003	---	---	-3,400
SHORE COMMUNICATIONS					
JCS COMMUNICATIONS EQUIPMENT.....	---	2,376	---	---	---
ELECTRICAL POWER SYSTEMS.....	---	1,293	---	---	---
NAVAL SHORE COMMUNICATIONS.....	---	8,563	---	---	---
CRYPTOGRAPHIC EQUIPMENT					
INFO SYSTEMS SECURITY PROGRAM (ISSP).....	---	101,153	---	---	---
CRYPTOLOGIC EQUIPMENT					
CRYPTOLOGIC COMMUNICATIONS EQUIP.....	---	16,716	---	---	---
OTHER ELECTRONIC SUPPORT					
COAST GUARD EQUIPMENT.....	---	16,846	---	---	---
TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT.....		2,039,861			-68,793
AVIATION SUPPORT EQUIPMENT					
SONOBUOYS					
SONOBUOYS - ALL TYPES.....	---	112,603	---	---	---
AIRCRAFT SUPPORT EQUIPMENT					
WEAPONS RANGE SUPPORT EQUIPMENT.....	---	64,396	---	---	+9,280
EXPEDITIONARY AIRFIELDS.....	---	8,308	---	---	---
AIRCRAFT REARMING EQUIPMENT.....	---	12,761	---	---	---
AIRCRAFT LAUNCH & RECOVERY EQUIPMENT.....	---	46,362	---	---	---
METEOROLOGICAL EQUIPMENT.....	---	24,742	---	---	---
OTHER PHOTOGRAPHIC EQUIPMENT.....	---	1,603	---	---	---
AVIATION LIFE SUPPORT.....	---	17,673	---	---	+4,000
AIRBORNE MINE COUNTERMEASURES.....	---	39,363	---	---	-10,400
LAMPS MK III SHIPBOARD EQUIPMENT.....	---	35,117	---	---	---
OTHER AVIATION SUPPORT EQUIPMENT.....	---	13,335	---	---	---
TOTAL, AVIATION SUPPORT EQUIPMENT.....		376,263			+2,880

(DOLLARS IN THOUSANDS)

	BUDGET	REQUEST	RECOMMENDED	CHANGE	FROM	REQUEST
	QTY	AMOUNT	QTY	QTY	REQUEST	AMOUNT
ORDNANCE SUPPORT EQUIPMENT						
SHIP GUN SYSTEM EQUIPMENT						
NAVAL FIRES CONTROL SYSTEM.....	---	1,695	---	---	---	---
GUN FIRE CONTROL EQUIPMENT.....	---	8,244	---	---	---	---
SHIP MISSILE SYSTEMS EQUIPMENT						
NATO SEASPARROW.....	---	12,270	---	---	---	-1,950
RAM GMLS.....	---	23,492	---	---	---	-8,800
SHIP SELF DEFENSE SYSTEM.....	---	46,687	---	---	---	---
AEGIS SUPPORT EQUIPMENT.....	---	85,424	---	---	---	+4,000
TOMAHAWK SUPPORT EQUIPMENT.....	---	61,976	---	---	---	-6,500
VERTICAL LAUNCH SYSTEMS.....	---	5,644	---	---	---	---
FBM SUPPORT EQUIPMENT						
STRATEGIC MISSILE SYSTEMS EQUIP.....	---	118,814	---	---	---	---
ASW SUPPORT EQUIPMENT						
SSN COMBAT CONTROL SYSTEMS.....	---	98,010	---	---	---	---
SUBMARINE ASW SUPPORT EQUIPMENT.....	---	5,374	---	---	---	---
SURFACE ASW SUPPORT EQUIPMENT.....	---	4,622	---	---	---	---
ASW RANGE SUPPORT EQUIPMENT.....	---	9,199	---	---	---	+8,000
OTHER ORDNANCE SUPPORT EQUIPMENT						
EXPLOSIVE ORDNANCE DISPOSAL EQUIP.....	---	46,546	---	---	---	---
ITEMS LESS THAN \$5 MILLION.....	---	3,535	---	---	---	+3,200
OTHER EXPENDABLE ORDNANCE						
ANTI-SHIP MISSILE DECOY SYSTEM.....	---	38,077	---	---	---	---
SURFACE TRAINING DEVICE MODS.....	---	9,822	---	---	---	---
SUBMARINE TRAINING DEVICE MODS.....	---	33,583	---	---	---	+3,500
TOTAL, ORDNANCE SUPPORT EQUIPMENT.....		613,014		614,464		+1,450
CIVIL ENGINEERING SUPPORT EQUIPMENT						
PASSENGER CARRYING VEHICLES.....	---	1,966	---	---	---	---
GENERAL PURPOSE TRUCKS.....	---	829	---	---	---	---
CONSTRUCTION & MAINTENANCE EQUIP.....	---	12,167	---	---	---	---
FIRE FIGHTING EQUIPMENT.....	---	16,289	---	---	---	---
TACTICAL VEHICLES.....	---	29,686	---	---	---	---
AMPHIBIOUS EQUIPMENT.....	---	14,041	---	---	---	---
POLLUTION CONTROL EQUIPMENT.....	---	5,418	---	---	---	---
ITEMS UNDER \$5 MILLION.....	---	22,379	---	---	---	---
PHYSICAL SECURITY VEHICLES.....	---	1,116	---	---	---	---
TOTAL, CIVIL ENGINEERING SUPPORT EQUIPMENT.....		103,891		103,891		---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	AMOUNT	QTY
					AMOUNT
-----					
SUPPLY SUPPORT EQUIPMENT					
SUPPLY SUPPORT EQUIPMENT					
MATERIALS HANDLING EQUIPMENT.....	---	14,971	---	14,971	---
OTHER SUPPLY SUPPORT EQUIPMENT.....	---	9,247	---	9,247	---
FIRST DESTINATION TRANSPORTATION.....	---	6,216	---	6,216	---
SPECIAL PURPOSE SUPPLY SYSTEMS.....	---	74,103	---	74,103	---
		-----		-----	
TOTAL, SUPPLY SUPPORT EQUIPMENT.....		104,537		104,537	---
PERSONNEL AND COMMAND SUPPORT EQUIPMENT					
TRAINING DEVICES					
TRAINING SUPPORT EQUIPMENT.....	---	16,764	---	16,764	---
COMMAND SUPPORT EQUIPMENT					
COMMAND SUPPORT EQUIPMENT.....	---	43,175	---	46,775	+3,600
EDUCATION SUPPORT EQUIPMENT.....	---	2,018	---	2,018	---
MEDICAL SUPPORT EQUIPMENT.....	---	6,493	---	6,493	---
NAVAL MIP SUPPORT EQUIPMENT.....	---	1,646	---	1,646	---
OPERATING FORCES SUPPORT EQUIPMENT.....	---	13,116	---	13,116	---
C4ISR EQUIPMENT.....	---	13,510	---	13,510	---
ENVIRONMENTAL SUPPORT EQUIPMENT.....	---	24,244	---	24,244	---
PHYSICAL SECURITY EQUIPMENT.....	---	144,863	---	140,263	-4,600
ENTERPRISE INFORMATION TECHNOLOGY.....	---	35,600	---	35,600	---
		-----		-----	
TOTAL, PERSONNEL AND COMMAND SUPPORT EQUIPMENT..		301,429		300,429	-1,000
SPARES AND REPAIR PARTS.....	---	251,765	---	241,765	-10,000
CLASSIFIED PROGRAMS.....	---	18,314	---	18,314	---
		-----		-----	
TOTAL, OTHER PROCUREMENT, NAVY.....		5,482,856		5,250,627	-232,229



**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
(in thousands of dollars)

P-1	Budget Request	Recommendation
<b>3 OTHER PROPULSION EQUIPMENT</b>	<b>38,800</b>	<b>21,300</b>
DDG-51 Reduction Gear Growth		-19,900
Condition-Based Inspection Technologies for Propulsion Equipment		800
LSD-41/49 Diesel Engine Low Load Upgrade Kit		1,600
<b>4 OTHER NAVIGATION EQUIPMENT</b>	<b>47,549</b>	<b>44,723</b>
Ring Laser Gyro Phasing		-750
Electronic Chart Display and Information System Phasing		-3,076
AN/WSN-7 Fiber Optic Gyro System Upgrades		3,000
Reduction to Growth		-2,000
<b>6 SUB PERISCOPES &amp; IMAGING EQUIP</b>	<b>69,078</b>	<b>67,378</b>
Support Funding Carryover		-1,700
<b>12 VIRGINIA CLASS SUPPORT EQUIPMENT</b>	<b>199,904</b>	<b>183,204</b>
SCN Buyback		-16,700
<b>16 CG-MODERNIZATION</b>	<b>232,370</b>	<b>165,654</b>
SPQ-9B Radar Growth		-1,730
Aegis Weapons System Growth		-2,600
Vertical Launch System Upgrade Growth		-1,134
CG-55 Extended Selected Restricted Availability (ESRA) Equipment		-61,252
<b>18 MINESWEEPING EQUIPMENT</b>	<b>11,991</b>	<b>10,651</b>
Very Shallow Water Unmanned Underwater Vehicle Pricing		-1,340
<b>19 ITEMS LESS THAN \$5 MILLION</b>	<b>136,156</b>	<b>130,514</b>
LPD-17 Obsolescence		-2,250
Littoral Combat Ship Modernization		-12,600
Auto Voltage Regulators Phasing		-1,324
AS-39 Class Air Conditioning Plants Phasing		-2,968
Canned Lube Pumps for LSD-41/49 Ships		2,000
CVN Propeller Replacement Program		5,000
Jet Fuel (JP-5) Electric Valve Operators		2,400
Shipboard Network Protection System		1,600
Remote Monitoring and Troubleshooting Project		2,500
<b>25 STANDARD BOATS</b>	<b>17,839</b>	<b>26,839</b>
66 Foot Coastal Command Boat (CCB)		5,000
High Speed Aluminum Towable Boat Lifts		4,000
<b>27 OPERATING FORCES IPE</b>	<b>51,631</b>	<b>55,695</b>
Capital Investment Program Growth		-2,336
Advanced Maintenance and Environmental Monitoring Technologies for Public Shipyards		2,400
PHNSY Upgrades		4,000
<b>29 LCS MODULES</b>	<b>131,241</b>	<b>73,902</b>
Mission Package Integrator		-9,291
Delay One Mission Module		-48,048

P-1	Budget Request	Recommendation
<b>30 LSD MIDLIFE</b>	<b>90,675</b>	<b>90,608</b>
Air Conditioning Plant Installation Funding		-4,100
Low Pressure Air Compressor Phasing		-767
LSD Main Propulsion Diesel Engine Upgrade		4,800
<b>32 RADAR SUPPORT</b>	<b>10,503</b>	<b>13,703</b>
Enhanced Detection Adjunct Processor		3,200
<b>33 SPQ-9B RADAR</b>	<b>9,281</b>	<b>9,981</b>
Transmitter Upgrade Phasing		-3,800
AN/SPQ-9B Surface Ship Radar		4,300
<b>34 AN/SQQ-89 SURF ASW COMBAT SYSTEM</b>	<b>117,685</b>	<b>102,160</b>
Combat System Upgrade Kit Installation Phasing		-12,900
Scaled Improved Performance Sonar Ship Alteration Delay		-2,625
<b>35 SSN ACOUSTICS</b>	<b>284,153</b>	<b>276,029</b>
Phase III/IV Technology Insertion Upgrade Kit Growth		-1,224
Support Funding Carryover		-2,500
TB-33 -- Continue LRIP		-4,400
<b>37 SONAR SWITCHES AND TRANSDUCERS</b>	<b>13,858</b>	<b>11,158</b>
Support Funding Carryover		-2,700
<b>39 SSTD</b>	<b>10,058</b>	<b>19,658</b>
ASW Enhancements		9,600
<b>40 FIXED SURVEILLANCE SYSTEM</b>	<b>44,997</b>	<b>49,797</b>
Gateway System		4,800
<b>41 SURTASS</b>	<b>26,675</b>	<b>26,675</b>
Compact Low Frequency Active Installation Funding		-6,000
ASW Enhancements		6,000
<b>43 AN/SLQ-32</b>	<b>29,280</b>	<b>22,968</b>
Production Support Growth		-2,700
Small Ship Electronic Support Measures Program Delay		-3,612
<b>45 SHIPBOARD IW EXPLOIT</b>	<b>83,408</b>	<b>80,008</b>
Engineering Change Proposal/Obsolescence Growth		-5,000
Communications Data Link System for Capital Ships		1,600
<b>48 COOPERATIVE ENGAGEMENT CAPABILITY</b>	<b>34,561</b>	<b>29,061</b>
Cooperative Engagement Processing Transmission Sets Installation Funding		-2,800
Planar Array Active Antenna phasing		-2,700
<b>50 NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS)</b>	<b>31,283</b>	<b>29,651</b>
Naval Tactical Command Support System (NTCSS) Upgrades Growth		-1,632
<b>52 MINESWEEPING SYSTEM REPLACEMENT</b>	<b>49,024</b>	<b>50,024</b>
MCM-1 Class Combat System Upgrades/Acoustic Generators		1,000
<b>60 AUTOMATIC CARRIER LANDING SYSTEM</b>	<b>18,787</b>	<b>16,287</b>
SPN-46 Production Support Growth		-2,500

<b>P-1</b>	<b>Budget Request</b>	<b>Recommendation</b>
<b>65 ID SYSTEMS</b>	<b>34,560</b>	<b>31,460</b>
Support Funding Carryover		-3,100
<b>69 GCCS-M EQUIPMENT TACTICAL/MOBILE</b>	<b>6,209</b>	<b>5,209</b>
C4i Upgrade Growth		-1,000
<b>70 COMMON IMAGERY GROUND SURFACE SYSTEMS</b>	<b>67,133</b>	<b>38,333</b>
Tier 1 Cancellation		-18,800
Defer Product Improvements Due to Restructure		-10,000
<b>75 ITEMS LESS THAN \$5 MILLION</b>	<b>48,930</b>	<b>43,430</b>
Excessive Installation Costs		-5,500
<b>78 SHIP COMMUNICATIONS AUTOMATION</b>	<b>333,335</b>	<b>327,335</b>
ADNS -- Stabilize Growth		-6,000
<b>79 COMMUNICATIONS ITEMS UNDER \$5M</b>	<b>35,647</b>	<b>38,047</b>
CVN Communications Network		2,400
<b>81 SUBMARINE COMMUNICATION EQUIPMENT</b>	<b>76,761</b>	<b>79,761</b>
Integrated Voice Communications System for the SSN-688I		3,000
<b>82 SATELLITE COMMUNICATIONS SYSTEMS</b>	<b>122,003</b>	<b>118,603</b>
WSC-6 Cost Growth		-2,000
CBSP Phasing		-1,400
<b>91 WEAPONS RANGE SUPPORT EQUIPMENT</b>	<b>64,396</b>	<b>73,676</b>
Advanced Ground Target Threat Simulators		1,280
Training Range Enhancements		8,000
<b>97 AVIATION LIFE SUPPORT</b>	<b>17,673</b>	<b>21,673</b>
Multi Climate Protection System		2,000
Advanced Mission Extender Device Kits		2,000
<b>98 AIRBORNE MINE COUNTERMEASURES</b>	<b>39,363</b>	<b>28,963</b>
Carriage, Stream, Tow, and Recovery System Delay		-12,800
Airborne Laser Mine Detection System		2,400
<b>104 NATO SEASPARROW</b>	<b>12,270</b>	<b>10,320</b>
MK-29 Launcher Modification Phasing		-1,950
<b>105 RAM GMLS</b>	<b>23,492</b>	<b>14,692</b>
Support Funding Carryover		-1,600
Ahead of Need		-7,200
<b>107 AEGIS SUPPORT EQUIPMENT</b>	<b>85,424</b>	<b>89,424</b>
Aegis Land Based Test Site Upgrades		4,000
<b>108 TOMAHAWK SUPPORT EQUIPMENT</b>	<b>61,976</b>	<b>55,476</b>
Product Support Growth		-6,500
<b>114 ASW RANGE SUPPORT EQUIPMENT</b>	<b>9,199</b>	<b>17,199</b>
Training Range Enhancements		8,000
<b>116 ITEMS LESS THAN \$5 MILLION</b>	<b>3,535</b>	<b>6,735</b>
NIRIP Industrial Facilities Materials Staging Area		3,200

<b>P-1</b>	<b>Budget Request</b>	<b>Recommendation</b>
<b>119 SUBMARINE TRAINING DEVICE MODS</b>	<b>33,583</b>	<b>37,083</b>
Standardized Metrics Assessment of Readiness Training		3,500
<b>134 COMMAND SUPPORT EQUIPMENT</b>	<b>43,175</b>	<b>46,775</b>
High Performance Computing Capability		800
Man Overboard Identification (MOBI) System		2,800
<b>142 PHYSICAL SECURITY EQUIPMENT</b>	<b>144,863</b>	<b>140,263</b>
Virtual Perimeter Monitoring System		2,400
SPS -- Smooth Production Profile		-7,000
<b>148 SPARES AND REPAIR PARTS</b>	<b>251,765</b>	<b>241,765</b>
Reduction to Growth		-10,000

PROCUREMENT, MARINE CORPS

For Procurement, Marine Corps, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST
	QTY	AMOUNT	QTY	QTY
			AMOUNT	AMOUNT
-----				
PROCUREMENT, MARINE CORPS				
WEAPONS AND COMBAT VEHICLES				
TRACKED COMBAT VEHICLES				
AAV7A1 PIP.....	---	5,441	---	5,441
LAV PIP.....	---	64,526	---	43,526
				-21,000
M1A1 FIREPOWER ENHANCEMENTS.....	---	14,706	---	14,706
ARTILLERY AND OTHER WEAPONS				
EXPEDITIONARY FIRE SUPPORT SYSTEM.....				
	---	22,102	---	22,102
155MM LIGHTWEIGHT TOWED HOWITZER.....	---	2,500	---	2,500
HIGH MOBILITY ARTILLERY ROCKET SYSTEM.....	---	109,460	---	109,460
WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION.....	---	24,220	---	12,987
				-11,233
WEAPONS				
OTHER SUPPORT				
MODIFICATION KITS.....	---	11,165	---	11,165
WEAPONS ENHANCEMENT PROGRAM.....	---	24,223	---	24,223
TOTAL, WEAPONS AND COMBAT VEHICLES.....		278,343		246,110
				-32,233
GUIDED MISSILES AND EQUIPMENT				
GUIDED MISSILES				
GROUND BASED AIR DEFENSE.....	---	12,569	---	5,493
				-7,076
OTHER SUPPORT				
MODIFICATION KITS.....	---	4,925	---	4,925
TOTAL, GUIDED MISSILES AND EQUIPMENT.....		17,494		10,418
				-7,076

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	QTY	AMOUNT
COMMUNICATIONS AND ELECTRONICS EQUIPMENT					
COMMAND AND CONTROL SYSTEMS					
COMBAT OPERATIONS CENTER.....	---	14,883	---	---	-4,800
REPAIR AND TEST EQUIPMENT					
REPAIR AND TEST EQUIPMENT.....	---	35,188	---	---	---
OTHER SUPPORT (TEL)					
COMBAT SUPPORT SYSTEM.....	---	34,665	---	---	+800
ITEMS UNDER \$5 MILLION (COMM & ELEC).....	---	9,661	---	---	---
AIR OPERATIONS C2 SYSTEMS.....	---	77,978	---	---	-39,339
RADAR + EQUIPMENT (NON-TEL)					
RADAR SYSTEMS.....	---	32,516	---	---	---
INTELL/COMM EQUIPMENT (NON-TEL)					
FIRE SUPPORT SYSTEM.....	---	2,654	---	---	---
INTELLIGENCE SUPPORT EQUIPMENT.....	---	49,838	---	---	---
OTHER COMM/ELEC EQUIPMENT (NON-TEL)					
NIGHT VISION EQUIPMENT.....	---	24,868	---	---	---
OTHER SUPPORT (NON-TEL)					
COMMON COMPUTER RESOURCES.....	---	106,499	---	---	---
COMMAND POST SYSTEMS.....	---	15,816	---	---	---
RADIO SYSTEMS.....	---	95,845	---	---	-30,000
COMM SWITCHING & CONTROL SYSTEMS.....	---	40,639	---	---	+8,900
COMM & ELEC INFRASTRUCTURE SUPPORT.....	---	15,527	---	---	---
TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT.		556,577			-64,439

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	QTY	AMOUNT
SUPPORT VEHICLES					
ADMINISTRATIVE VEHICLES					
COMMERCIAL PASSENGER VEHICLES	---	1,201	---	---	---
COMMERCIAL CARGO VEHICLES	---	13,691	---	---	---
TACTICAL VEHICLES					
5/4T TRUCK HMMV (MYP)	7	2,666	7	---	---
MEDIUM TACTICAL VEHICLE REPLACEMENT	---	944	---	---	---
LOGISTICS VEHICLE SYSTEM REP.	---	324,578	---	---	-54,100
FAMILY OF TACTICAL TRAILERS	---	27,619	---	---	---
TRAILERS	---	8,424	---	---	---
OTHER SUPPORT					
ITEMS LESS THAN \$5 MILLION	---	4,046	---	---	---
TOTAL, SUPPORT VEHICLES		383,189			-54,100
ENGINEER AND OTHER EQUIPMENT					
ENGINEER AND OTHER EQUIPMENT					
ENVIRONMENTAL CONTROL EQUIP ASSORT	---	5,131	---	---	---
BULK LIQUID EQUIPMENT	---	9,571	---	---	---
TACTICAL FUEL SYSTEMS	---	19,067	---	---	+1,200
POWER EQUIPMENT ASSORTED	---	16,501	---	---	+10,800
AMPHIBIOUS SUPPORT EQUIPMENT	---	13,239	---	---	---
EOB SYSTEMS	---	28,568	---	---	---
MATERIALS HANDLING EQUIPMENT					
PHYSICAL SECURITY EQUIPMENT	---	12,589	---	---	---
GARRISON MOBILE ENGR EQUIP	---	11,813	---	---	---
MATERIAL HANDLING EQUIP	---	30,758	---	---	---
FIRST DESTINATION TRANSPORTATION	---	5,867	---	---	---



(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	QTY	AMOUNT
GENERAL PROPERTY					
FIELD MEDICAL EQUIPMENT.....	---	6,623	---	---	+3,200
TRAINING DEVICES.....	---	57,476	---	---	+6,800
CONTAINER FAMILY.....	---	4,050	---	---	---
FAMILY OF CONSTRUCTION EQUIPMENT.....	---	22,461	---	---	---
FAMILY OF INTERNALLY TRANSPORTABLE VEH (ITV).....	---	7,987	---	---	---
RAPID DEPLOYABLE KITCHEN.....	---	2,907	---	---	---
OTHER SUPPORT					
ITEMS LESS THAN \$5 MILLION.....	---	8,114	---	---	---
TOTAL, ENGINEER AND OTHER EQUIPMENT.....		262,722			+22,000
SPARES AND REPAIR PARTS.....	---	14,460	---	---	---
TOTAL, PROCUREMENT, MARINE CORPS.....		1,512,765			-135,848

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1		Budget Request	Recommendation
3	LAV PIP LIGHT ARMORED VEHICLE C2 upgrade program delay	64,526	43,526 -21,000
8	WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION Infantry Assault Rifle program delays	24,220	12,987 -11,233
12	GROUND BASED AIR DEFENSE CAC2S Program Restructure	12,569	5,493 -7,076
15	COMBAT OPERATIONS CENTER Unit Operations Center Reduction Combat Tactical Support Trailer	14,883	10,083 -7,000 2,200
17	COMBAT SUPPORT SYSTEM Portable Armored Wall System for VCP	34,665	35,465 800
20	AIR OPERATIONS COMMAND AND CONTROL SYSTEMS CAC2S Program Restructure	77,978	38,639 -39,339
27	RADIO SYSTEMS Program Reduction Due to Delays and Unobligated Balances	95,845	65,845 -30,000
28	COMM SWITCHING & CONTROL SYSTEMS IP Distribution Box and Category 5E Cable Upgrades for Improved Combat Operations Communications Performance Enhancements for Information Assurance and Information Systems	40,639	49,539 2,500 6,400
36	LOGISTICS VEHICLE SYSTEM REP Program Delays/Excessive Growth	324,578	270,478 -54,100
42	TACTICAL FUEL SYSTEMS Nitrile Rubber Collapsible Storage Units	19,067	20,267 1,200
43	POWER EQUIPMENT ASSORTED 2kw MTG Diesel Generator Rapid Replenishment On Board Vehicle Power Kits for MTRV	16,501	27,301 800 10,000
50	FIELD MEDICAL EQUIPMENT Combat Casualty Care Equipment Upgrade Program	6,623	9,823 3,200
51	TRAINING DEVICES Tactical Video Capture System Sniper Training System (STS)	57,476	64,276 3,200 3,600

## COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S)

CAC2S is intended to be a modernized, single command and control system designed to replace and consolidate legacy aviation command and air control systems. Since entering the System Design and Demonstration phase in 2002, the program has faced repeated technical hurdles and schedule delays. As a result, the Marine Corps in June altered its acquisition strategy, but did not provide detailed schedules and cost estimates in support of the new acquisition strategy to Congress. The bill provides \$10,000,000 for CAC2S in fiscal year 2009, a reduction of \$39,339,000, and directs that none of those funds may be obligated until 10 days after the Marine Corps provides updated program details to the congressional defense committees, to include cost estimates and program schedules. It is noted that in the interim, significant amounts of prior year funding remain available to continue the upgrade of legacy systems.

## AIRCRAFT PROCUREMENT, AIR FORCE

For Aircraft Procurement, Air Force, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	AMOUNT	QTY AMOUNT
-----					
AIRCRAFT PROCUREMENT, AIR FORCE					
COMBAT AIRCRAFT					
TACTICAL FORCES					
F-35.....	8	1,673,787	7	1,493,586	-1 -180,201
F-35 (AP-CY).....	---	136,904	---	171,904	--- +35,000
F-22A.....	20	3,054,197	20	2,907,197	--- -147,000
F-22A (AP-CY).....	---	---	---	523,000	--- +523,000
TOTAL, COMBAT AIRCRAFT.....		4,864,888		5,095,687	----- +230,799
AIRLIFT AIRCRAFT					
TACTICAL AIRLIFT					
C-17A (MYP).....	---	367,554	---	318,754	--- -48,800
OTHER AIRLIFT					
C-130J.....	---	---	---	25,000	--- +25,000
C-130J ADVANCE PROCUREMENT (CY).....	---	96,000	---	96,000	--- ---
HC/MC-130 RECAP.....	6	507,677	6	459,677	--- -48,000
HC/MC-130 RECAP (AP-CY).....	---	80,000	---	80,000	--- ---
KC-X (AP).....	---	61,660	---	---	--- -61,660
JOINT CARGO AIRCRAFT.....	---	5,439	---	---	--- -5,439
ISR AIRCRAFT.....	---	---	---	360,000	--- +360,000
TOTAL, AIRLIFT AIRCRAFT.....		1,118,330		1,339,431	----- +221,101
TRAINER AIRCRAFT					
OPERATIONAL TRAINERS					
JPATS.....	---	33,196	---	27,654	--- -5,542
OTHER AIRCRAFT					
HELICOPTERS					
CSAR-X (AP-CY).....	---	15,000	---	---	--- -15,000
V-22 OSPREY.....	6	409,027	6	409,027	--- ---
V-22 OSPREY (AP-CY).....	---	14,266	---	14,266	--- ---
MISSION SUPPORT AIRCRAFT					
C-37.....	---	---	1	70,230	+1 +70,230
C-29A FLIGHT INSPECTION ACFT.....	1	31,877	1	31,877	--- ---
C-40.....	---	---	1	88,000	+1 +88,000
CIVIL AIR PATROL A/C.....	---	2,435	---	7,435	--- +5,000

(DOLLARS IN THOUSANDS)

	BUDGET	REQUEST	RECOMMENDED	CHANGE	FROM	REQUEST
	QTY	AMOUNT	QTY	QTY	REQUEST	AMOUNT
OTHER AIRCRAFT						
TARGET DRONES.....	---	70,576	---	---	---	---
GLOBAL HAWK.....	5	658,319	5	---	---	---
GLOBAL HAWK (AP-CY).....	---	53,832	---	---	---	---
HQ-1.....	38	378,703	38	---	---	---
HQ-9.....	9	161,439	9	---	---	---
TOTAL, OTHER AIRCRAFT.....		1,795,474				+148,230
MODIFICATION OF INSERVICE AIRCRAFT						
STRATEGIC AIRCRAFT						
B-2A.....	---	330,392	---	---	---	-31,300
B-2A (AP-CY).....	---	---	---	---	---	+49,800
B-1B.....	---	71,774	---	---	---	-30,300
B-52.....	---	41,699	---	---	---	---
TACTICAL AIRCRAFT						
A-10.....	---	144,077	---	---	---	---
F-15.....	---	12,326	---	---	---	+7,400
F-16.....	---	273,694	---	---	---	+1,440
F-22A.....	---	327,046	---	---	---	---
AIRLIFT AIRCRAFT						
C-5.....	---	485,484	---	---	---	-65,388
C-5 (AP-CY).....	---	97,600	---	---	---	-46,700
C-17A.....	---	331,535	---	---	---	-15,199
C-21.....	---	11,001	---	---	---	-10,249
C-32A.....	---	11,373	---	---	---	-4,000
C-37A.....	---	2,407	---	---	---	-1,000
TRAINER AIRCRAFT						
GLIDER MODS						
T6.....	---	21,122	---	---	---	-367
T-1.....	---	25	---	---	---	+10,249
T-38.....	---	59,934	---	---	---	---
T-43.....	---	2,269	---	---	---	---
OTHER AIRCRAFT						
KC-10A (ATCA).....	---	1,899	---	---	---	---
C-12.....	---	468	---	---	---	---
C-20 MODS.....	---	1,535	---	---	---	---
VC-25A MOD.....	---	60,875	---	---	---	---
C-40.....	---	9,911	---	---	---	-4,000
C-130.....	---	422,814	---	---	---	+13,000

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM	REQUEST
	QTY	AMOUNT	QTY	QTY	AMOUNT
C130J MODS.....	---	59,350	---	---	-25,000
C-135.....	---	134,188	---	---	---
COMPASS CALL MODS.....	---	24,605	---	---	---
DARP.....	---	106,989	---	---	---
E-3.....	---	86,468	---	---	---
E-4.....	---	28,098	---	---	---
E-8.....	---	30,657	---	---	---
H-1.....	---	13,200	---	---	---
H-60.....	---	17,250	---	---	---
GLOBAL HAWK MODS.....	---	103,939	---	---	---
OTHER AIRCRAFT.....	---	151,932	---	---	-5,412
MQ-1 MODS.....	---	148,532	---	---	---
MQ-9 MODS.....	---	24,590	---	---	---
CV-22 MODS.....	---	22,621	---	---	---
OTHER MODIFICATIONS					
TOTAL, MODIFICATION OF INSERVICE AIRCRAFT.....		3,673,800			-157,026
AIRCRAFT SPARES AND REPAIR PARTS					
INITIAL SPARES/REPAIR PARTS.....	---	257,001	---	---	-8,600
TOTAL, AIRCRAFT SPARES AND REPAIR PARTS.....		257,001			-8,600
AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES					
COMMON SUPPORT EQUIPMENT					
COMMON SUPPORT EQUIPMENT.....	---	104,861	---	---	---
POST PRODUCTION SUPPORT					
B-2A.....	---	36,783	---	---	---
C-5.....	---	18,210	---	---	---
C-21.....	---	19,025	---	---	-19,025
EC-130J.....	---	5,382	---	---	---
F-15 POST PRODUCTION SUPPORT.....	---	20,189	---	---	---
F-16 POST PRODUCTION SUPPORT.....	---	13,623	---	---	---
T-6.....	---	8,841	---	---	-8,841
OTHER AIRCRAFT.....	---	48,593	---	---	---
T-1 POST PRODUCTION SUPPORT.....	---	---	---	---	+19,025
INDUSTRIAL PREPAREDNESS					
INDUSTRIAL PREPAREDNESS.....	---	24,380	---	---	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
	QTY	QTY	QTY
	AMOUNT	AMOUNT	AMOUNT
WAR CONSUMABLES	---	---	---
WAR CONSUMABLES.....	80,622	80,622	---
OTHER PRODUCTION CHARGES	---	---	---
OTHER PRODUCTION CHARGES.....	521,357	537,357	+16,000
DARP	---	---	---
DARP.....	21,028	21,028	---
TOTAL, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	922,894	930,053	+7,159
CLASSIFIED PROGRAMS.....	10,913	10,913	---
TOTAL, AIRCRAFT PROCUREMENT, AIR FORCE.....	12,676,496	13,112,617	+436,121

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1	Budget Request	Recommendation
<b>1 F-35</b>	<b>1,673,787</b>	<b>1,493,586</b>
Procurement Ramp - Defer One Aircraft		-169,489
Procurement Ramp - Spares for One Aircraft		-10,712
<b>2 F-35 (AP-CY)</b>	<b>136,904</b>	<b>171,904</b>
Alternate Engine (AP)		35,000
<b>3 F-22A</b>	<b>3,054,197</b>	<b>2,907,197</b>
Reduction for Last Lot Cost		-147,000
<b>4 F-22A (AP-CY)</b>	<b>0</b>	<b>523,000</b>
Advance Procurement for 20 F-22As		523,000
<b>5 C-17A (MYP)</b>	<b>367,554</b>	<b>318,754</b>
Excess Engine Spares Requirement		-40,000
Air Force Requested Transfer (Note: Air Force requested transfer to AP,AF Line 34)		-8,800
<b>6 C-130J</b>	<b>0</b>	<b>25,000</b>
Air Force Requested Transfer (Note: Air Force requested transfer from AP,AF Line 49)		25,000
<b>8 HC/MC-130 RECAP</b>	<b>507,677</b>	<b>459,677</b>
Revised Cost Estimates		-48,000
<b>10 KC-X AP</b>	<b>61,660</b>	<b>0</b>
Transferred to the Tanker Replacement Fund		-61,660
<b>11 JOINT CARGO AIRCRAFT</b>	<b>5,439</b>	<b>0</b>
Budgeting Ahead of Need		-5,439
<b>11A ISR AIRCRAFT</b>		<b>360,000</b>
Multi-intelligence manned aircraft and sensors		360,000
<b>12 JPATS</b>	<b>33,196</b>	<b>27,654</b>
Air Force Requested Transfer (Note: Transferred to AP,AF Line 63)		-5,542
<b>13 CSAR-X (AP-CY)</b>	<b>15,000</b>	<b>0</b>
Budgeting Ahead of Need		-15,000
<b>15A C-37</b>		<b>70,230</b>
Increase for 1 C-37B Aircraft		70,230
<b>17 C-40</b>	<b>0</b>	<b>88,000</b>
Increase for 1 C-40 Aircraft		88,000
<b>18 CIVIL AIR PATROL A/C</b>	<b>2,435</b>	<b>7,435</b>
Civil Air Patrol		5,000



P-1	Budget Request	Recommendation
<b>24 B-2A</b>	<b>330,392</b>	<b>299,092</b>
Air Force Requested Transfer (Note: Air Force requested transfer from RDTE, AF Line 61)		18,500
Air Force Requested Transfer (Note: Air Force requested transfer to AP,AF Line 24A)		-49,800
<b>24A B-2A (AP)</b>		<b>49,800</b>
B-2A Advance Procurement (Note: Air Force requested transfer from AP,AF Line 24)		49,800
<b>25 B-1B</b>	<b>71,774</b>	<b>41,474</b>
Program Delay (Note: Reduction for Fully Integrated Data Link; Vertical Situation Displays, and Central Integrated Test Sets; \$21,400,000 transferred to RDTE,AF Line 59)		-31,900
Smart Bomb Rack Unit (S-BRU) Upgrade		1,600
<b>29 F-15</b>	<b>12,326</b>	<b>19,726</b>
F-15 Improved Radio Communications (ARC 210)		2,400
F-15C/D MSGS Retrofit		5,000
<b>30 F-16</b>	<b>273,694</b>	<b>275,134</b>
F-16C Fire Control Computers for the 114th Fighter Wing		1,440
<b>32 C-5</b>	<b>485,484</b>	<b>420,095</b>
Adjustment Due to Fiscal Year 2007 Unobligated Balance Excess to Requirement due to Nunn-McCurdy Funded in FY 2008 Supplemental		-8,988
		-51,000
		-5,400
<b>33 C-5 (AP-CY)</b>	<b>97,600</b>	<b>50,900</b>
Adjustment Due to Fiscal Year 2007 Unobligated Balance Reduced Fiscal Year 2010 Quantities		-26,700
		-20,000
<b>34 C-17A</b>	<b>331,535</b>	<b>316,336</b>
Improper Pricing on Install Kits		-7,000
Air Force Requested Transfer (Note: Air Force requested transfer from AP,AF Line 5)		8,800
Budgeting Ahead of Need		-16,999
<b>35 C-21</b>	<b>11,001</b>	<b>752</b>
Air Force Requested Transfer (Note: Transferred to AP,AF Line 40)		-10,249
<b>36 C-32A</b>	<b>11,373</b>	<b>7,373</b>
Funded in FY 2008 Supplemental		-4,000
<b>37 C-37A</b>	<b>2,407</b>	<b>1,407</b>
Funded in FY 2008 Supplemental		-1,000
<b>39 T-6</b>	<b>21,122</b>	<b>20,755</b>
Air Force Requested Transfer (Note: Transferred to AP,AF Line 63)		-367
<b>40 T-1</b>	<b>25</b>	<b>10,274</b>
Air Force Requested Transfer (Note: Transferred from AP,AF Line 35)		10,249
<b>47 C-40</b>	<b>9,911</b>	<b>5,911</b>
Funded in FY 2008 Supplemental		-4,000
<b>48 C-130</b>	<b>422,814</b>	<b>435,814</b>

<b>P-1</b>	<b>Budget Request</b>	<b>Recommendation</b>
USAF Senior Scout Digital Rio Raton ELINT System		800
C-130 Active Noise Cancellation System (ANCS)		1,800
Large Aircraft Infrared Countermeasure for MC-130P aircraft		3,200
Scathe View for NV ANG		400
SENIOR SCOUT Beyond Line-of-Sight SATCOM Data Link		7,000
<b>49 C130J MODS</b>	<b>59,350</b>	<b>34,350</b>
Air Force Requested Transfer (Note: Transferred to AP,AF Line 6)		-25,000
<b>59 OTHER AIRCRAFT</b>	<b>151,932</b>	<b>146,520</b>
RC-26B Modernization		7,200
Air Force Requested Transfer (Note: Transferred to RDTE,AF, line 214)		-12,612
<b>63 INITIAL SPARES/REPAIR PARTS</b>	<b>257,001</b>	<b>248,401</b>
Air Force Requested Transfer (Note: Transferred from AP,AF Lines 75, 12 & 39)		14,700
Unjustified Requirement		-14,700
Reduction due to reduced aircraft buy		-8,600
<b>70 C-21</b>	<b>19,025</b>	<b>0</b>
Air Force Requested Transfer (Note: Transferred to AP,AF Line 77)		-19,025
<b>75 T-6</b>	<b>8,841</b>	<b>0</b>
Air Force Requested Transfer (Note: Transferred to AP,AF Line 63)		-8,841
<b>77 T-1 POST PRODUCTION SUPPORT</b>	<b>0</b>	<b>19,025</b>
Air Force Requested Transfer (Note: Transferred from AP,AF Line 70)		19,025
<b>80 OTHER PRODUCTION CHARGES</b>	<b>521,357</b>	<b>537,357</b>
Litening Targeting Pod Upgrades		16,000

MISSILE PROCUREMENT, AIR FORCE

For Missile Procurement, Air Force, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED		CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT
-----						
MISSILE PROCUREMENT, AIR FORCE						
BALLISTIC MISSILES						
MISSILE REPLACEMENT EQUIPMENT - BALLISTIC						
MISSILE REPLACEMENT EQ-BALLISTIC.....	---	26,658	---	26,658	---	---
OTHER MISSILES						
TACTICAL						
JASSM.....	260	240,295	175	200,295	-85	-40,000
SIDEWINDER (AIM-9X).....	275	77,223	275	77,223	---	---
AMRAAM.....	281	294,746	143	204,446	-138	-90,300
PREDATOR HELLFIRE MISSILE.....	642	63,585	642	63,585	---	---
SMALL DIAMETER BOMB.....	2,612	133,209	2,612	133,209	---	---
INDUSTRIAL FACILITIES						
INDUSTRIAL PREPAREDNESS/POLLUTION PREVENTION.....	---	2,408	---	2,408	---	---
-----						
TOTAL, OTHER MISSILES.....		811,466		681,166		-130,300
MODIFICATION OF INSERVICE MISSILES						
CLASS IV						
ADVANCED CRUISE MISSILE.....	---	42	---	42	---	---
MM III MODIFICATIONS.....	---	296,354	---	296,354	---	---
AGM-65D MAVERICK.....	---	256	---	256	---	---
AIR LAUNCH CRUISE MISSILE.....	---	10,150	---	10,150	---	---
-----						
TOTAL, MODIFICATION OF INSERVICE MISSILES.....		306,802		306,802		---
SPARES AND REPAIR PARTS						
INITIAL SPARES/REPAIR PARTS.....	---	26,923	---	26,923	---	---
OTHER SUPPORT						
SPACE PROGRAMS						
ADVANCED EHF.....	---	16,564	---	16,564	---	---
ADVANCED EHF (AP-CY).....	---	---	---	150,000	---	+150,000
WIDEBAND GAPFILLER SATELLITES.....	---	22,492	---	22,492	---	---
SPACEBORNE EQUIP (COMSEC).....	---	17,407	---	17,407	---	---
GLOBAL POSITIONING (SPACE).....	---	108,043	---	108,043	---	---
GLOBAL POSITIONING (SPACE) (AP-CY).....	---	2,400	---	2,400	---	---
NUDET DETECTION SYSTEM.....	---	1,250	---	1,250	---	---
DEF METEOROLOGICAL SAT PROG (SPACE).....	---	99,788	---	99,788	---	---
EVOLVED EXPENDABLE LAUNCH VEH (SPACE).....	4	1,205,278	4	1,357,278	---	+152,000
MEDIUM LAUNCH VEHICLE (SPACE).....	---	5,756	---	5,756	---	---
SPACE BASED INFRARED SYSTEM (SBIRS) HIGH.....	2	1,664,043	2	1,664,043	---	---
SBIR HIGH (SPACE) (AP-CY).....	---	54,000	---	54,000	---	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED		CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT
-----						
SPECIAL PROGRAMS						
DEFENSE SPACE RECONN PROGRAM.....	---	158,966	---	158,966	---	---
SPECIAL UPDATE PROGRAMS.....	---	212,515	---	212,515	---	---
		-----		-----		-----
TOTAL, OTHER SUPPORT.....		3,568,502		3,870,502		+302,000
CLASSIFIED PROGRAMS.....	---	796,377	---	530,377	---	-266,000
		-----		-----		-----
TOTAL, MISSILE PROCUREMENT, AIR FORCE.....		5,536,728		5,442,428		-94,300

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [[In thousands of dollars]]

P-1	Budget Request	Recommendation
<b>2 JASSM</b>	<b>240,295</b>	<b>200,295</b>
Transferred to RDTE, AF Line 132 for JASSM-ER		-20,000
Maintain Production Ramp		-20,000
<b>4 AMRAAM</b>	<b>294,746</b>	<b>204,446</b>
Program Delay (Note: Funds 143 missiles and telemetry units and no more than \$17,730,000 for DMS)		-90,300
<b>16 ADVANCED EHF (AP-CY)</b>	<b>0</b>	<b>150,000</b>
AEHF-4 Advance Procurement		150,000
<b>26 EVOLVED EXPENDABLE LAUNCH VEH (SPACE)</b>	<b>1,205,278</b>	<b>1,357,278</b>
EELV - ELC (Note: Transfer from the NRO)		216,000
GPS IIF-7 Launch		-64,000

**MINUTEMAN III MOTOR LIFE EXTENSION PROGRAM**

The House and the Senate Committees on Appropriations are awaiting an Air Force report requested in Senate Report 110–155 accompanying the Department of Defense Appropriations Act for Fiscal Year 2008, on the capability of the defense industrial base to maintain, modernize, and sustain the Minuteman III system until 2030, and on the industrial base's capability to replace the Minuteman III with a follow-on land-based strategic deterrent system after 2030. In the interim, the Air Force is encouraged, at a minimum, to continue a warm line status for Minuteman III propulsion systems and to use funds provided for fiscal year 2009 to initiate a Minuteman III motor life extension program.

**PROCUREMENT OF AMMUNITION, AIR FORCE**

For Procurement of Ammunition, Air Force, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM	REQUEST
	QTY	AMOUNT	QTY	QTY	AMOUNT
-----					
PROCUREMENT OF AMMUNITION, AIR FORCE					
PROCUREMENT OF AMMO, AIR FORCE					
ROCKETS.....	---	29,436	---	25,103	---
CARTRIDGES.....	---	150,815	---	151,215	---
BOMBS					
PRACTICE BOMBS.....	---	24,590	---	24,590	---
GENERAL PURPOSE BOMBS.....	---	149,695	---	135,426	---
JOINT DIRECT ATTACK MUNITION.....	3,647	105,719	3,647	105,719	---
FLARE, IR MJU-7B					
CAD/PAD.....	---	38,190	---	38,190	---
EXPLOSIVE ORDNANCE DISPOSAL (EOD).....	---	3,246	---	3,246	---
SPARES AND REPAIR PARTS.....	---	4,618	---	4,618	---
MODIFICATIONS.....	---	1,235	---	1,235	---
ITEMS LESS THAN \$5,000,000.....	---	2,477	---	2,477	---
FUZES					
FLARES.....	---	304,159	---	287,349	---
FUZES.....	---	72,133	---	72,133	---
TOTAL, PROCUREMENT OF AMMO, AIR FORCE.....		886,313		851,301	---
WEAPONS					
SMALL ARMS.....	---	8,165	---	8,165	---
TOTAL, PROCUREMENT OF AMMUNITION, AIR FORCE.....		894,478		859,466	---
-----					



**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

P-1	Budget Request	Recommendation
<b>1 ROCKETS</b>	<b>29,436</b>	<b>25,103</b>
2.75 inch Rocket Motor (Note: Improper Inflation Adjustment)		-1,333
2.75 inch White Phosphorus War Head (Note: Improper Inflation Adjustment)		-3,000
<b>2 CARTRIDGES</b>	<b>150,815</b>	<b>151,215</b>
30MM Target Practice Load Assemble Pack (Note: Improper Inflation Adjustment)		-2,000
PGU-14 API Armor Piercing Incendiary, 30MM Ammunition		2,400
<b>4 GENERAL PURPOSE BOMBS</b>	<b>149,695</b>	<b>135,426</b>
BLU-109 2000 LB Hard Target Bomb (Note: Improper Inflation Adjustment)		-6,375
BLU-117 Bomb Body and Load Assemble/Pack (Note: Improper Inflation Adjustment)		-9,494
McAlester Army Ammunition Plant Bomb Line Modernization		1,600
<b>13 FLARES</b>	<b>304,159</b>	<b>287,349</b>
M206, MJU-10/B and MJU-7A/B IR Flares (Note: Improper Inflation Adjustment)		-16,811

OTHER PROCUREMENT, AIR FORCE

For Other Procurement, Air Force, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	QTY	AMOUNT
-----					
OTHER PROCUREMENT, AIR FORCE					
VEHICULAR EQUIPMENT					
PASSENGER CARRYING VEHICLES					
PASSENGER CARRYING VEHICLE.....	---	17,662	---	---	---
CARGO + UTILITY VEHICLES					
FAMILY MEDIUM TACTICAL VEHICLE.....					
FAMILY MEDIUM TACTICAL VEHICLE.....	---	23,002	---	---	---
CAP VEHICLES.....					
CAP VEHICLES.....	---	889	---	---	---
SPECIAL PURPOSE VEHICLES					
SECURITY AND TACTICAL VEHICLES.....					
SECURITY AND TACTICAL VEHICLES.....	---	30,597	---	---	-14,000
FIRE FIGHTING EQUIPMENT					
FIRE FIGHTING/CRASH RESCUE VEHICLES.....					
FIRE FIGHTING/CRASH RESCUE VEHICLES.....	---	27,020	---	---	---
MATERIALS HANDLING EQUIPMENT					
HALVERSEN LOADER.....					
HALVERSEN LOADER.....	---	---	---	---	+1,600
BASE MAINTENANCE SUPPORT					
RUNWAY SNOW REMOVAL & CLEANING EQUIP.....					
RUNWAY SNOW REMOVAL & CLEANING EQUIP.....	---	23,051	---	---	---
ITEMS LESS THAN \$5M.....					
ITEMS LESS THAN \$5M.....	---	39,984	---	---	---
-----					
TOTAL, VEHICULAR EQUIPMENT.....		162,205			-12,400
ELECTRONICS AND TELECOMMUNICATIONS EQUIP					
COMM SECURITY EQUIPMENT (COMSEC)					
COMSEC EQUIPMENT.....					
COMSEC EQUIPMENT.....	---	137,914	---	---	---
MODIFICATIONS (COMSEC).....					
MODIFICATIONS (COMSEC).....	---	1,557	---	---	---
INTELLIGENCE PROGRAMS					
INTELLIGENCE TRAINING EQUIPMENT.....					
INTELLIGENCE TRAINING EQUIPMENT.....	---	2,671	---	---	---
INTELLIGENCE COMM EQUIP.....					
INTELLIGENCE COMM EQUIP.....	---	15,441	---	---	+5,500
ELECTRONICS PROGRAMS					
TRAFFIC CONTROL/LANDING.....					
TRAFFIC CONTROL/LANDING.....	---	9,832	---	---	+760
NATIONAL AIRSPACE SYSTEM.....					
NATIONAL AIRSPACE SYSTEM.....	---	47,224	---	---	---
THEATER AIR CONTROL SYS IMPRO.....					
THEATER AIR CONTROL SYS IMPRO.....	---	68,502	---	---	---
WEATHER OBSERVATION FORECAST.....					
WEATHER OBSERVATION FORECAST.....	---	29,377	---	---	+3,000
STRATEGIC COMMAND AND CONTROL.....					
STRATEGIC COMMAND AND CONTROL.....	---	53,739	---	---	---
CHEYENNE MOUNTAIN COMPLEX.....					
CHEYENNE MOUNTAIN COMPLEX.....	---	13,662	---	---	---
DRUG INTERDICTION SUPPORT.....					
DRUG INTERDICTION SUPPORT.....	---	950	---	---	---

(DOLLARS IN THOUSANDS)

	BUDGET	REQUEST	RECOMMENDED	CHANGE	FROM	REQUEST
	QTY	AMOUNT	QTY	QTY	REQUEST	AMOUNT
SPECIAL COMM-ELECTRONICS PROJECTS						
GENERAL INFORMATION TECHNOLOGY.....	---	100,052	---	---	---	+4,800
AF GLOBAL COMMAND & CONTROL SYSTEM.....	---	16,148	---	---	---	---
MOBILITY COMMAND AND CONTROL.....	---	10,475	---	---	---	---
AIR FORCE PHYSICAL SECURITY SYSTEM.....	---	57,728	---	---	---	+3,072
COMBAT TRAINING RANGES.....	---	55,315	---	---	---	+28,000
MINIMUM ESSENTIAL EMERGENCY COM.....	---	1	---	---	---	-1
C3 COUNTERMEASURES.....	---	7,754	---	---	---	---
GCSS-AF FOS.....	---	55,783	---	---	---	-15,000
THEATER BATTLE MGT C2 SYS.....	---	22,525	---	---	---	+2,400
AIR OPERATIONS CENTER (AOC).....	---	35,050	---	---	---	---
AIR FORCE COMMUNICATIONS						
BASE INFORMATION INFRASTRUCTURE.....	---	337,190	---	---	---	+3,000
USCENTCOM.....	---	42,677	---	---	---	---
DISA PROGRAMS						
SPACE BASED IR SENSOR PRDG SPACE.....	---	80,405	---	---	---	---
NAVSTAR GPS SPACE.....	---	25,526	---	---	---	---
NUDET DETECTION SYS (NDS) SPACE.....	---	27,626	---	---	---	---
AF SATELLITE CONTROL NETWORK SPACE.....	---	65,383	---	---	---	---
SPACELIFT RANGE SYSTEM SPACE.....	---	101,983	---	---	---	---
MILSATCOM SPACE.....	---	106,323	---	---	---	---
SPACE MODS SPACE.....	---	23,121	---	---	---	---
COUNTERSPACE SYSTEM.....	---	29,232	---	---	---	---
ORGANIZATION AND BASE						
TACTICAL C-E EQUIPMENT.....	---	293,153	---	---	---	-67,600
COMBAT SURVIVOR EVADER LOCATER.....	---	26,878	---	---	---	---
RADIO EQUIPMENT.....	---	13,463	---	---	---	---
CCTV/AUDIOVISUAL EQUIPMENT.....	---	7,423	---	---	---	---
BASE COMM INFRASTRUCTURE.....	---	135,808	---	---	---	+700
MODIFICATIONS						
COMM ELECT MODS.....	---	33,258	---	---	---	---
TOTAL, ELECTRONICS AND TELECOMMUNICATIONS EQUIP.		2,091,149				-31,369

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	QTY	AMOUNT
OTHER BASE MAINTENANCE AND SUPPORT EQUIP					
PERSONAL SAFETY AND RESCUE EQUIP					
NIGHT VISION GOGGLES.....	---	18,626	---	---	---
DEPOT PLANT + MATERIALS HANDLING EQ					
MECHANIZED MATERIAL HANDLING.....	---	21,573	---	---	---
BASE SUPPORT EQUIPMENT					
BASE PROCURED EQUIPMENT.....	---	17,038	---	---	+8,016
AIR BASE OPERABILITY.....	---	6,483	---	---	---
PRODUCTIVITY CAPITAL INVESTMENT.....	---	3,021	---	---	---
MOBILITY EQUIPMENT.....	---	26,459	---	---	---
ITEMS LESS THAN \$5M (BASE SUPPORT).....	---	14,237	---	---	+1,000
SPECIAL SUPPORT PROJECTS					
DARP RC135.....	---	22,924	---	---	---
DARP, MRIGS.....	---	251,805	---	---	---
SPECIAL UPDATE PROGRAM.....	---	410,370	---	---	---
DEFENSE SPACE RECONNAISSANCE PROGRAM.....	---	15,805	---	---	---
TOTAL, OTHER BASE MAINTENANCE AND SUPPORT EQUIP.		808,341			817,357
SPARE AND REPAIR PARTS					
SPARES AND REPAIR PARTS.....	---	25,616	---	---	---
CLASSIFIED PROGRAMS.....	---	13,041,085	---	---	-41,074
TOTAL, OTHER PROCUREMENT, AIR FORCE.....		16,128,396			16,052,569
					-75,827

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1	Budget Request	Recommendation
<b>7 SECURITY AND TACTICAL VEHICLES</b>	<b>30,597</b>	<b>16,597</b>
Reduce Program Growth		-14,000
<b>9 HALVERSEN LOADER</b>	<b>0</b>	<b>1,600</b>
Halvorsen Loader		1,600
<b>16 INTELLIGENCE COMM EQUIP</b>	<b>15,441</b>	<b>20,941</b>
Force Protection Surveillance System		2,000
Hawaii ANG Eagle Vision One Meter SAR and Communications Upgrades		3,500
<b>17 TRAFFIC CONTROL/LANDING</b>	<b>9,832</b>	<b>10,592</b>
Camp Ripley, Minnesota Aircraft Landing System		760
<b>20 WEATHER OBSERVATION FORECAST</b>	<b>29,377</b>	<b>32,377</b>
Observation Systems for the 21st Century		3,000
<b>24 GENERAL INFORMATION TECHNOLOGY</b>	<b>100,052</b>	<b>104,852</b>
ANG-Combat Communications on the Move		1,600
Information Modernization for Processing with Advanced Coating Technologies (IMPACT)		1,600
Secure Network Infrastructure - Toledo ANG		800
Science, Engineering, and Laboratory Data Integration (SELDI)		800
<b>27 AIR FORCE PHYSICAL SECURITY SYSTEM</b>	<b>57,728</b>	<b>60,800</b>
Air Force Plant 4 (AFP 4) Physical Security Enhancements		2,072
MacDill AFB Waterside Security System		1,000
<b>28 COMBAT TRAINING RANGES</b>	<b>55,315</b>	<b>83,315</b>
Joint National Training Capability-Red Flag/Northern Edge Training Range Enhancements		8,000
Training Range Enhancements		16,000
Unmanned Threat Emitter (UMTE) Modernization		4,000
<b>29 MINIMUM ESSENTIAL EMERGENCY COM</b>	<b>1</b>	<b>0</b>
Inflation adjustment		-1
<b>31 GCSS-AF FOS</b>	<b>55,783</b>	<b>40,783</b>
Excess Funding/Unjustified Growth		-15,000
<b>32 THEATER BATTLE MGT C2 SYS</b>	<b>22,525</b>	<b>24,925</b>
Tactical Air Control Extreme Shelter Program		2,400

<b>34</b>	<b>BASE INFORMATION INFRASTRUCTURE</b>	<b>337,190</b>	<b>340,190</b>
	NORAD and USNORTHCOM Interoperable Communications		3,000
<b>44</b>	<b>TACTICAL C-E EQUIPMENT</b>	<b>293,153</b>	<b>225,553</b>
	Laser Targeting Devices - Unjustified Program Growth		-70,000
	ROVER Combat Operations Support		2,400
<b>49</b>	<b>BASE COMM INFRASTRUCTURE</b>	<b>135,808</b>	<b>136,508</b>
	Alaskan NORAD Region Communications Survivability and Diversity		700
<b>54</b>	<b>BASE PROCURED EQUIPMENT</b>	<b>17,038</b>	<b>25,054</b>
	Base Low-cost Integrated Surveillance System		4,000
	Laser Marksmanship Training System (LMTS)		2,400
	Nanotechnology Equipment for Laboratories		800
	Revitalize Buckley AFB Small Arms Training Range		816
<b>59</b>	<b>ITEMS LESS THAN \$5M (BASE SUPPORT)</b>	<b>14,237</b>	<b>15,237</b>
	Life Support Radio Test Sets for the Air National Guard		1,000

OTHER PROCUREMENT, AIR FORCE BUDGET JUSTIFICATION  
DOCUMENTS

During its budget review, the congressional defense committees rely on justification documents. It is critical that these budget justifications adhere to the guidelines set forth in Department of Defense Financial Management Regulations (FMR). The regulations clearly state that all exhibits must include production schedules and, when appropriate, both quantity and unit cost information. The Other Procurement, Air Force (OPAF) justification book for fiscal year 2009 includes few production schedules, and most P-5 forms omit quantity and unit cost information. In order to remedy these omissions, the Air Force is directed to take corrective actions to ensure its justification books fully comply with FMR regulations.

PROCUREMENT, DEFENSE-WIDE

For Procurement, Defense-Wide, funds are to be available for fiscal year 2009, as follows:



(DOLLARS IN THOUSANDS)

	BUDGET	REQUEST	RECOMMENDED	CHANGE	FROM
	QTY	AMOUNT	QTY	QTY	REQUEST
					AMOUNT
-----					
PROCUREMENT, DEFENSE-WIDE					
MAJOR EQUIPMENT					
MAJOR EQUIPMENT, OSD					
MAJOR EQUIPMENT, OSD.....	---	105,946	---	105,946	---
MAJOR EQUIPMENT, NSA					
INFORMATION SYSTEMS SECURITY PROGRAM (ISSP).....	---	4,505	---	4,505	---
MAJOR EQUIPMENT, WHS					
MAJOR EQUIPMENT, WHS.....	---	26,649	---	26,649	---
MAJOR EQUIPMENT, DISA					
INFORMATION SYSTEMS SECURITY.....	---	54,934	---	48,734	---
GLOBAL COMMAND AND CONTROL SYS.....	---	10,973	---	10,973	---
GLOBAL COMBAT SUPPORT SYSTEM.....	---	2,788	---	2,788	---
TELEPORT PROGRAM.....	---	15,062	---	15,062	---
ITEMS LESS THAN \$5M.....	---	121,296	---	111,296	---
NET CENTRIC ENTERPRISE SERVICES (NCES).....	---	36,765	---	36,765	---
DEFENSE INFORMATION SYSTEMS NETWORK.....	---	90,328	---	90,328	---
PUBLIC KEY INFRASTRUCTURE.....	---	1,894	---	1,894	---
JOINT COMMAND AND CONTROL PROGRAM.....	---	7,952	---	4,000	---
CYBER SECURITY INITIATIVE.....	---	19,100	---	19,100	---
MAJOR EQUIPMENT, DLA					
MAJOR EQUIPMENT.....	---	8,789	---	8,789	---
MAJOR EQUIPMENT, DCAA					
MAJOR EQUIPMENT ITEMS LESS THAN \$5M.....	---	1,523	---	3,923	---
MAJOR EQUIPMENT, TJS					
MAJOR EQUIPMENT, TJS.....	---	25,897	---	29,097	---
MAJOR EQUIPMENT, DHRA					
PERSONNEL ADMINISTRATION.....	---	19,214	---	10,014	---
DEFENSE THREAT REDUCTION AGENCY					
OTHER MAJOR EQUIPMENT.....	---	5,621	---	5,621	---
MAJOR EQUIPMENT, DODDE					
AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS.....	---	1,498	---	1,498	---
MAJOR EQUIPMENT, DCMA					
MAJOR EQUIPMENT.....	---	2,149	---	2,149	---
MAJOR EQUIPMENT, DTSA					
MAJOR EQUIPMENT.....	---	436	---	436	---
MAJOR EQUIPMENT, BTA					
MAJOR EQUIPMENT, BTA.....	---	689	---	689	---
MAJOR EQUIPMENT, DMACT					
A - WEAPON SYSTEM COST.....	3	11,158	3	11,158	---
-----					
TOTAL, MAJOR EQUIPMENT.....		575,166		551,414	---
					-23,752

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED		CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT
-----						
SPECIAL OPERATIONS COMMAND						
AVIATION PROGRAMS						
SOF ROTARY WING UPGRADES AND SUSTAINMENT .....	---	51,950	---	51,950	---	---
MH-47 SLEP .....	---	63,667	---	63,667	---	---
MH-60 SOF MODERNIZATION PROGRAM .....	---	98,163	---	135,563	---	+37,400
NON-STANDARD AVIATION .....	6	39,172	6	39,172	---	---
SOF TANKER RECAPITALIZATION .....	---	36,286	---	11,286	---	-25,000
SOF U-28 .....	---	7,659	---	7,659	---	---
CV-22 SOF MODIFICATION .....	6	162,971	6	162,971	---	---
C-130 MODIFICATIONS .....	---	47,018	---	33,277	---	-13,741
AIRCRAFT SUPPORT .....	---	1,347	---	1,347	---	---
SHIPBUILDING						
ADVANCED SEAL DELIVERY SYS (ASDS) .....	---	5,760	---	5,760	---	---
MK VIII MOD 1 - SEAL DELIVERY VEH .....	---	7,061	---	7,061	---	---
AMMUNITION PROGRAMS						
SOF ORDNANCE REPLENISHMENT .....	---	67,083	---	67,083	---	---
SOF ORDNANCE ACQUISITION .....	---	5,540	---	12,540	---	+7,000

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM	REQUEST
	QTY	AMOUNT	QTY	QTY	AMOUNT
OTHER PROCUREMENT PROGRAMS					
COMM EQUIPMENT & ELECTRONICS.....	---	67,220	---	---	+6,000
SOF INTELLIGENCE SYSTEMS.....	---	54,122	---	---	+2,000
SMALL ARMS & WEAPONS.....	---	15,689	---	---	+7,800
MARITIME EQUIPMENT MODS.....	---	1,265	---	---	---
SPECIAL APPLICATIONS FOR CONTINGENCIES.....	---	12,484	---	---	---
SOF COMBATANT CRAFT SYSTEMS.....	---	18,795	---	---	+2,880
SPARES AND REPAIR PARTS.....	---	3,272	---	---	---
TACTICAL VEHICLES.....	---	3,702	---	---	---
MISSION TRAINING AND PREPARATIONS SYSTEMS.....	---	34,151	---	---	+2,000
COMBAT MISSION REQUIREMENTS.....	---	21,593	---	---	-1,593
MILCON COLLATERAL EQUIPMENT.....	---	11,722	---	---	---
UNMANNED VEHICLES.....	---	27,194	---	---	+28,367
SOF AUTOMATION SYSTEMS.....	---	55,248	---	---	---
SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES.....	---	15,862	---	---	---
SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE.....	---	25,892	---	---	---
SOF SOLDIER PROTECTION AND SURVIVAL SYSTEMS.....	---	15,455	---	---	+4,000
SOF VISUAL AUGMENTATION, LASERS AND SENSOR SY.....	---	30,201	---	---	-4,850
SOF TACTICAL RADIO SYSTEMS.....	---	33,966	---	---	-10,400
SOF MARITIME EQUIPMENT.....	---	13,450	---	---	---
MISCELLANEOUS EQUIPMENT.....	---	15,331	---	---	---
SOF OPERATIONAL ENHANCEMENTS.....	---	315,443	---	---	+4,000
PSYOP EQUIPMENT.....	---	64,778	---	---	-9,000
TOTAL, SPECIAL OPERATIONS COMMAND.....		1,450,512			+36,863

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
	QTY	QTY	QTY
	AMOUNT	AMOUNT	AMOUNT
-----			
CHEMICAL/BIOLOGICAL DEFENSE			
CBDP			
INSTALLATION FORCE PROTECTION.....	---	---	---
	88,565	88,565	
INDIVIDUAL PROTECTION.....	---	---	---
	80,211	80,211	
DECONTAMINATION.....	---	---	---
	22,299	25,579	+3,280
JOINT BIOLOGICAL DEFENSE PROGRAM.....	---	---	---
	38,702	38,702	
COLLECTIVE PROTECTION.....	---	---	---
	37,784	37,784	
CONTAMINATION AVOIDANCE.....	---	---	---
	199,610	186,160	-13,450
-----			
TOTAL, CHEMICAL/BIOLOGICAL DEFENSE.....	467,171	457,001	-10,170
MISSILE DEFENSE.....	---	162,100	+162,100
CLASSIFIED PROGRAMS.....	671,379	648,379	-23,000
-----			
TOTAL, PROCUREMENT, DEFENSE-WIDE.....	3,164,228	3,306,269	+142,041

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1	Budget Request	Recommendation
<b>11 INFORMATION SYSTEMS SECURITY</b>	<b>54,934</b>	<b>48,734</b>
SIPRNET Access Control		-3,000
Risk Assessment Tools		-3,200
<b>16 ITEMS LESS THAN \$5M</b>	<b>121,296</b>	<b>111,296</b>
Stabilize Tech Refresh Activities		-10,000
<b>21 JOINT COMMAND AND CONTROL PROGRAM</b>	<b>7,952</b>	<b>4,000</b>
Authorization Adjustment		-3,952
<b>34 MAJOR EQUIPMENT ITEMS LESS THAN \$5M</b>	<b>1,523</b>	<b>3,923</b>
Electronic Warfare Simulator		2,400
<b>35 MAJOR EQUIPMENT, THE JOINT STAFF</b>	<b>25,897</b>	<b>29,097</b>
Expansion of the Mobile Forensic Laboratories and Forensic Technical Assistance and Training Support Center of Excellence		3,200
<b>36 PERSONNEL ADMINISTRATION</b>	<b>19,214</b>	<b>10,014</b>
Reduction to Growth		-9,200
<b>50 MH-60 SOF MODERNIZATION PROGRAM</b>	<b>98,163</b>	<b>135,563</b>
SIRFC Radar Warning Receivers		37,400
<b>52 SOF TANKER RECAPITALIZATION</b>	<b>36,286</b>	<b>11,286</b>
Forward-funded in FY2008 Supplemental		-25,000
<b>57 C-130 MODIFICATIONS</b>	<b>47,018</b>	<b>33,277</b>
30mm Gun Termination		-13,741
<b>62 SOF ORDNANCE ACQUISITION</b>	<b>5,540</b>	<b>12,540</b>
40mm AC-130 Ammunition		7,000
<b>63 COMMUNICATIONS EQUIPMENT &amp; ELECTRONICS</b>	<b>67,220</b>	<b>73,220</b>
SOF Deployable Nodes-M / SOF Tactical Assured Connectivity System		6,000
<b>64 SOF INTELLIGENCE SYSTEMS</b>	<b>54,122</b>	<b>56,122</b>
Final-E-Curfew, Mid Range Radio Frequency Operations		1,600
Simple Imagery Access with FalconView		400
<b>65 SMALL ARMS &amp; WEAPONS</b>	<b>15,689</b>	<b>23,489</b>
LA-5/PEQ Integrated Small Arms Illuminator		1,200
MK47 Mod 0 Advanced Lightweight Grenade Launcher		3,600
SOF Combat Assault Rifle		3,000
<b>69 SOF COMBATANT CRAFT SYSTEMS</b>	<b>18,795</b>	<b>21,675</b>
Special Operations Craft-Riverine		2,880
<b>73 MISSION TRAINING AND PREPARATIONS SYSTEMS</b>	<b>34,151</b>	<b>36,151</b>
Small Arms Training Ranges		2,000
<b>74 COMBAT MISSION REQUIREMENTS</b>	<b>21,593</b>	<b>20,000</b>
Reduction to Growth		-1,593

P-1		Budget Request	Recommendation
76	<b>UNMANNED VEHICLES</b>	<b>27,194</b>	<b>55,561</b>
	Vehicle Craft Unmanned Aircraft System		-4,633
	SOF Equipment for MQ-9		20,000
	Medium Unmanned Aerial Vehicle		13,000
81	<b>SOF SOLDIER PROTECTION AND SURVIVAL SYSTEMS</b>	<b>15,455</b>	<b>19,455</b>
	Tactical Combat Casualty Care Kits (TCCC)		4,000
82	<b>SOF VISUAL AUGMENTATION, LASERS AND SENSOR SYSTEM</b>	<b>30,201</b>	<b>25,351</b>
	Precision Laser Targeting Device		-4,750
	SOCOM requested transfer to R-243 for Precision Laser Targeting Device		-5,000
	SOVAS Hand Held Imager/Long Range		2,400
	SOVAS Hand Held Imager/Pocket		2,500
83	<b>SOF TACTICAL RADIO SYSTEMS</b>	<b>33,966</b>	<b>23,566</b>
	Multiband Inter/Intra Team Radio		-12,000
	Multi-Band Multi-Mission Radio (MBMMR)		1,600
87	<b>SOF OPERATIONAL ENHANCEMENTS</b>	<b>315,443</b>	<b>319,443</b>
	Mission Helmet Recording System		2,400
	M53 Individual Protective Mask		1,600
88	<b>PSYOP EQUIPMENT</b>	<b>64,778</b>	<b>55,778</b>
	Underexecution on Next Generation Loudspeaker System		-9,000
91	<b>DECONTAMINATION</b>	<b>22,299</b>	<b>25,579</b>
	Reactive Skin Decontamination Lotion		3,280
94	<b>CONTAMINATION AVOIDANCE</b>	<b>199,610</b>	<b>186,160</b>
	Joint Biological Standoff Detection System		4,000
	Joint Chemical Agent Detector		4,000
	JNCBRS Increment I Assembly		-18,950
	JWARN		-2,500
95	<b>MISSILE DEFENSE AGENCY</b>	<b>0</b>	<b>162,100</b>
	THAAD Fire Unit #3 and #4		105,000
	SM-3 Block 1A		57,100

COMBAT MISSION REQUIREMENTS

The Special Operations Command is directed to submit quarterly reports to the congressional defense committees on the use of funds provided in this title for Special Operations Command combat mission requirements.

NATIONAL GUARD AND RESERVE EQUIPMENT

For National Guard and Reserve Equipment, funds are to be available for fiscal year 2009, as follows:



(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST
	QTY	AMOUNT	QTY	QTY
			AMOUNT	AMOUNT
-----				
NATIONAL GUARD & RESERVE EQUIPMENT				
RESERVE EQUIPMENT				
ARMY RESERVE				
MISCELLANEOUS EQUIPMENT.....	---	---	52,500	+52,500
NAVY RESERVE				
MISCELLANEOUS EQUIPMENT.....	---	---	37,500	+37,500
MARINE CORPS RESERVE				
MISCELLANEOUS EQUIPMENT.....	---	---	37,500	+37,500
AIR FORCE RESERVE				
MISCELLANEOUS EQUIPMENT.....	---	---	37,500	+37,500
-----				
TOTAL, RESERVE EQUIPMENT.....			165,000	+165,000
-----				
NATIONAL GUARD EQUIPMENT				
ARMY NATIONAL GUARD				
MISCELLANEOUS EQUIPMENT.....	---	---	480,000	+480,000
AIR NATIONAL GUARD				
MISCELLANEOUS EQUIPMENT.....	---	---	105,000	+105,000
-----				
TOTAL, NATIONAL GUARD EQUIPMENT.....			585,000	+585,000
-----				
TOTAL, NATIONAL GUARD & RESERVE EQUIPMENT.....			750,000	+750,000

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1	Budget Request	Recommendation
1 ARMY RESERVE	0	52,500
MISCELLANEOUS EQUIPMENT		52,500
2 NAVY RESERVE	0	37,500
MISCELLANEOUS EQUIPMENT		37,500
3 MARINE CORPS RESERVE	0	37,500
MISCELLANEOUS EQUIPMENT		37,500
4 AIR FORCE RESERVE	0	37,500
MISCELLANEOUS EQUIPMENT		37,500
5 ARMY NATIONAL GUARD	0	480,000
MISCELLANEOUS EQUIPMENT		480,000
6 AIR NATIONAL GUARD	0	105,000
MISCELLANEOUS EQUIPMENT		105,000

## NATIONAL GUARD AND RESERVE EQUIPMENT

The bill provides \$750,000,000 for the National Guard and Reserve Equipment Account. Of that amount, \$480,000,000 is for the Army National Guard; \$105,000,000 for the Air National Guard; \$52,500,000 for the U.S. Army Reserve; \$37,500,000 for the Navy Reserve; \$37,500,000 for the Marine Corps Reserve; and \$37,500,000 for the Air Force Reserve to meet urgent equipment needs that may arise this fiscal year.

The funding provided in the National Guard and Reserve Equipment Account shall be executed by the heads of the Guard and reserve components with priority consideration for miscellaneous equipment given to items listed in the "Essential 10 Equipment Requirements for the National Guard" as identified by the Chief, National Guard Bureau, and as defined in the unfunded priority list for each reserve component.

This funding will allow the Guard and reserve components to procure high priority items such as: AB-FIST Gunnery Trainer Upgrades; Advanced Targeting Pod Spiral Upgrade Kits; AESA—Scanned Array Radar; AH-64 helicopter conversion from A model to D model; Advanced Mission Extender Device; ARC-220 radios for UH-60 Black Hawks; Ambulance Trucks; AN/AAQ-24 (LAIRCM) for C-17, C-130, and KC-135R; AN/AVS-6; Armored Security Vehicles; Bradley Operation Desert Storm Situational Awareness (ODS SA) hardware kits; Combat Readiness Training Centers (CRTC); Combined Arms Virtual Trainers; Electronic Flight Information System upgrades and MPRS Modification Programs for KC-135R; EPLRS Microlite; Engine Kits to Modify the F 100-PW to the 220E configuration; Fuel Service tank trucks; Defense Advanced GPS Receivers; F-15 Advanced Radar Warning Receiver (RWR) Subset of Eagle Passive Active Warning Survivability System (EPAWSS); F-15 Embedded GPS/INS (EGI); F-15 Joint Helmet Mounted Cueing System (JHMCS); F16 Block 42 Engine Upgrades; F-16 Full Combat Mission Trainer (FCMT); Fuel Catalyst Vehicle Retrofit; HC-130 AN/ARS-6v12 Recovery Systems; HC-130 Multi Function Color Display; Heavy Expanded Mobility Truck Wreckers with winch; Infrared Aircraft Deicing systems; HH-60 Blackhawk medical evacuation helicopters; Integrated Mechanical Diagnostic-Health and Usage Monitoring system; Integrated Terrestrial and Satellite Emergency Communications Capability (ITSECC); Joint Threat Emitter (JTE) Production Acceleration; Large Aircraft Infrared Counter-Measures; M1151 Up-Armored HMMHV; M249 Machine Gun; M2 .50 Caliber Machine Gun; M777A2 Lightweight 155MM Howitzer; Mine Resistant Ambush Protected Vehicle Virtual Trainers; Minuteman Digitization Demonstration; Panoramic Night Vision for HH-60s; Reset additional Bradley Fighting Vehicle System (BFVS) M2/3 ODS vehicles to the BFVS M2/3 ODS SA configuration; Rover III Receiver; Small Scale Joint Service Transportable Decontamination System; T56 engine mod kits; Tactical Cargo Trucks; Tandem Tether Parachutes; Tank Gunnery Trainer, Tank Maneuver Trainer and Tabletop Full-fidelity Trainer (TGT, TMT, and TFT) Tabletop Trainers; Technisonic TDFM-6148; UH-60 A to L conversions; Telepresent Rapid Aiming Platform (TRAP); UHF/VHF radios; Upgrade of

Eagle Vision VI; VCC+ (Very High Speed Integrated Circuitry Central Computer (VHSICC) Plus); Virtual Convoy Operations Trainers; and Virtual Door Gunner Trainers.

MODERNIZATION PRIORITIES

Each National Guard and reserve component commander shall submit to the congressional defense committees a detailed assessment of that component's modernization priorities, not later than 30 days after enactment of this Act. The National Guard and reserve component commanders should exercise control of the funds provided in this account, to better ensure that the most urgent National Guard and reserve equipment modernization priorities are addressed with the funding provided in this appropriation.

DEFENSE PRODUCTION ACT PURCHASES

For Defense Production Act Purchases, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST		RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	QTY	AMOUNT
-----					
DEFENSE PRODUCTION ACT PURCHASES					
DEFENSE PRODUCTION ACT PURCHASES.....	---	36,365	---	100,565	+64,200

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
(in thousands of dollars)

	Budget Request	Recommendation
BERYLLIUM SUPPLY INDUSTRIAL BASE	19,500	19,500
SILICON CARBIDE MMIC DEVICE PRODUCTION	4,110	4,110
LITHIUM ION (LI ION) BATTERY PRODUCTION	4,581	4,581
BLUE FORCE TRACKING PRODUCTION INITIATIVE	3,000	3,000
POWER AND ENERGY SYSTEMS PRODUCTION INITIATIVE	4,000	4,000
TRAVELING WAVE TUBE AMPLIFIERS FOR SPACE	1,174	1,174
ALON AND SPINEL OPTICAL CERAMICS		4,000
ARMOR AND STRUCTURES TRANSFORMATION INITIATIVE - STEEL TO TITANIUM		3,200
AUTOMATED COMPOSITE TECHNOLOGIES AND MANUFACTURING CENTER		5,000
DOMESTIC PRODUCTION OF TRANSPARENT POLYCRYSTALLINE LASER GAIN MATERIALS		5,200
HIGH PERFORMANCE THERMAL BATTERY INFRASTRUCTURE PROJECT		3,000
LOW COST MILITARY GLOBAL POSITIONING SYSTEM (GPS) RECEIVER		4,000
MILITARY LENS FABRICATION AND ASSEMBLY		2,400
PRODUCTION OF MINIATURE COMPRESSORS FOR ELECTRONICS AND PERSONAL COOLING		1,000
CARBON FOAM PROGRAM		9,600
EXTREMELY LARGE, DOMESTIC EXPENDABLE AND REUSABLE STRUCTURES MANUFACTURING CENTER		8,000
HIGH HOMOGENEITY OPTICAL GLASS		3,200
HYBRID PLASTICS AND POSS NANOTECHNOLOGY ENGINEERING SCALE-UP INITIATIVE		3,000
LIGHTWEIGHT SMALL CALIBER AMMUNITION PRODUCTION INITIATIVE		4,200
REACTIVE PLASTIC CO2 ABSORBENT PRODUCTION CAPACITY		1,600
READ OUT INTEGRATED CIRCUIT MANUFACTURING IMPROVEMENT		1,600
SILICON CARBIDE ARMOR MANUFACTURE INITIATIVE		2,000

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	<u>Budget Request</u>	<u>Recommendation</u>
TITANIUM METAL MATRIX COMPOSITE AND NANO ENHANCED TITANIUM DEVELOPMENT		3,200
TOTAL DEFENSE PRODUCTION ACT	36,365	100,565

TITLE IV—RESEARCH, DEVELOPMENT, TEST AND  
EVALUATION

For Research, Development, Test and Evaluation funds are to be available for fiscal year 2009, as follows:



(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
RECAPITULATION			
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY.....	10,524,085	12,060,111	+1,536,026
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY.....	19,337,238	19,764,276	+427,038
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE.	28,066,617	27,084,340	-982,277
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE.....	21,499,229	21,423,338	-75,891
OPERATIONAL TEST AND EVALUATION, DEFENSE.....	188,772	188,772	---
GRAND TOTAL, RDT&E.....	79,615,941	80,520,837	+904,896

## CONGRESSIONAL 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” are congressional interest items for purposes of the Base for Reprogramming Department of Defense form (DD Form 1414). Each of these items must be carried on the DD Form 1414 at the stated amount, as specifically addressed in these materials.

## TECHNOLOGY AND INDUSTRIAL BASE CONSIDERATIONS

Section 2440 of Title 10 of the United States Code specifically addresses the need for consideration of industrial base when developing and implementing acquisition programs. The Secretary of Defense is directed to comply with 10 U.S.C. 2440 as it applies to the consideration of national technology and industrial base in the development and implementation of acquisition plans for each major defense acquisition program. Additionally, the Secretary of Defense is directed to provide a report to the congressional defense committees within 30 days of enactment of this Act on how the Department implements Section 2440 in the major defense acquisition programs.

## KC-135 TANKER REPLACEMENT PROGRAM

On September 10, 2008, the Secretary of Defense informed the Congress that he was terminating the solicitation for the KC-135 tanker replacement program. After seven years of deliberation, the Department of Defense is no closer to providing the warfighter with a replacement for the aged KC-135s. The Department’s latest decision could delay replacing the tankers for several more years. The timing of the Secretary’s notification made it too late for the Congress to undertake a comprehensive review of alternatives and mandate a way forward that would be fair to all parties involved. The Department of Defense needs to address this serious problem as quickly as possible. The Department of Defense should consider any practical option that would enable the replacement of the KC-135s expeditiously to include the possibility of awarding competitive contracts to more than one offeror.

In light of the termination, the bill provides \$62,500,000 in Operation and Maintenance, Air Force for modest upgrades to the KC-135s to ensure continued reliability of the fleet. In addition, funding is provided for program office operations, termination costs, and anticipated claims from the offerors.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION (RDT&E)  
PROGRAM ELEMENT CODES AND BUDGET JUSTIFICATION DOCUMENTS

Senate Report 110-155, accompanying the Fiscal Year 2008 Department of Defense Appropriations Act, recommended several improvements to enhance the information provided to Congress in the RDT&E budget documentation materials. This includes the provision of specific information about activities conducted and accomplishments achieved with prior year funding; information on planned activities and their costs for the budget year at the project level; the improvement of cross references among projects; provi-

sion of schedules that identify key events; updates to narratives that reflect prior years' events; and the implementation of a more informative display of programmatic, schedule and budgetary changes. Improvements to the quality of the RDT&E budget justification documents are expected to be made beginning with the fiscal year 2010 budget submission.

REPROGRAMMING GUIDANCE FOR ACQUISITION ACCOUNTS

The Department of Defense is directed to continue to follow the reprogramming guidance specified in the House Report (H. Rept. 110-279) accompanying the Fiscal Year 2008 Department of Defense Appropriations Act. 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 explanatory statement.

INTELLIGENCE, SURVEILLANCE AND RECONNAISSANCE

The Secretary of Defense notified the House and the Senate Committees on Appropriations of a number of urgent Intelligence, Surveillance and Reconnaissance (ISR) needs for fiscal year 2009 that were not contained in the budget request. In order to respond to these emerging requirements, an increase of \$750,000,000 is provided in operation and maintenance, procurement, and research, development, test and evaluation accounts. The following table includes research, development, test and evaluation funds provided in support of this initiative.

[In thousands of dollars]

Line	Account	Item	
R-239	CRDDW	Global Observer	\$40,000

REPROGRAMMING REPORTING REQUIREMENTS

The Under Secretary of the Department of Defense, Comptroller is directed to continue to provide the congressional defense committees quarterly, spreadsheet-based DD1416 reports for service and defense-wide accounts in titles III and IV of this Act as required in the statement of the managers accompanying the conference report on the Department of Defense Appropriations Act, 2006.

FUNDING INCREASES

The funding increases outlined in these tables shall be provided only for the specific purposes indicated in the table.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY

For Research, Development, Test and Evaluation, Army, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST	
RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY				
BASIC RESEARCH				
1	IN-HOUSE LABORATORY INDEPENDENT RESEARCH.....	19,832	19,832	---
2	DEFENSE RESEARCH SCIENCES.....	176,959	198,759	+21,800
3	UNIVERSITY RESEARCH INITIATIVES.....	76,980	89,930	+12,950
4	UNIVERSITY AND INDUSTRY RESEARCH CENTERS.....	105,622	130,722	+25,100
	TOTAL, BASIC RESEARCH.....	379,393	439,243	+59,850
APPLIED RESEARCH				
5	MATERIALS TECHNOLOGY.....	26,985	81,205	+54,220
6	SENSORS AND ELECTRONIC SURVIVABILITY.....	46,147	75,547	+29,400
7	TRACTOR HIP.....	18,192	18,192	---
8	AVIATION TECHNOLOGY.....	42,013	47,053	+5,040
9	ELECTRONIC WARFARE TECHNOLOGY.....	16,611	21,811	+5,200
10	MISSILE TECHNOLOGY.....	48,174	56,934	+8,760
11	ADVANCED WEAPONS TECHNOLOGY.....	19,664	23,264	+3,600
12	ADVANCED CONCEPTS AND SIMULATION.....	17,048	21,848	+4,800
13	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY.....	55,234	89,334	+34,100
14	BALLISTICS TECHNOLOGY.....	71,550	88,250	+16,700
15	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY....	2,295	8,935	+6,640
16	JOINT SERVICE SMALL ARMS PROGRAM.....	7,531	9,131	+1,600
17	WEAPONS AND MUNITIONS TECHNOLOGY.....	30,576	102,676	+72,100
18	ELECTRONICS AND ELECTRONIC DEVICES.....	45,278	100,018	+54,740
19	NIGHT VISION TECHNOLOGY.....	25,647	46,847	+21,200
20	COUNTERMINE SYSTEMS.....	21,815	32,415	+10,600
21	HUMAN FACTORS ENGINEERING TECHNOLOGY.....	17,348	42,348	+25,000
22	ENVIRONMENTAL QUALITY TECHNOLOGY.....	16,064	19,864	+3,800
23	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY.....	24,014	41,354	+17,340
24	COMPUTER AND SOFTWARE TECHNOLOGY.....	5,495	6,295	+800
25	MILITARY ENGINEERING TECHNOLOGY.....	52,066	59,006	+6,940
26	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY.....	16,412	16,412	---
27	WARFIGHTER TECHNOLOGY.....	21,948	36,252	+14,304
28	MEDICAL TECHNOLOGY.....	75,395	188,835	+113,440
	TOTAL, APPLIED RESEARCH.....	723,502	1,233,826	+510,324

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST	
29	ADVANCED TECHNOLOGY DEVELOPMENT WARFIGHTER ADVANCED TECHNOLOGY.....	46,793	73,593	+26,800
30	MEDICAL ADVANCED TECHNOLOGY.....	59,043	322,323	+263,280
31	AVIATION ADVANCED TECHNOLOGY.....	57,277	106,637	+49,360
32	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY.....	73,697	109,437	+35,740
33	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY.....	107,992	264,752	+156,760
34	COMMAND, CONTROL, COMMUNICATIONS ADVANCED TECHNOLOGY..	9,183	11,583	+2,400
35	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY..	6,853	6,853	---
36	ELECTRONIC WARFARE ADVANCED TECHNOLOGY .....	50,961	62,561	+11,600
37	TRACTOR HIKE.....	14,562	14,562	---
38	NEXT GENERATION TRAINING & SIMULATION SYSTEMS.....	18,881	25,381	+6,500
39	TRACTOR ROSE.....	11,575	11,575	---
41	EXPLOSIVES DEMILITARIZATION TECHNOLOGY.....	10,564	13,764	+3,200
42	MILITARY HIV RESEARCH.....	7,116	15,116	+8,000
43	COMBATING TERRORISM, TECHNOLOGY DEVELOPMENT.....	13,064	13,064	---
45	ELECTRONIC WARFARE TECHNOLOGY.....	23,996	33,196	+9,200
46	MISSILE AND ROCKET ADVANCED TECHNOLOGY.....	63,998	76,958	+12,960
47	TRACTOR CAGE.....	12,372	12,372	---
48	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY.....	30,797	37,657	+6,860
49	JOINT SERVICE SMALL ARMS PROGRAM.....	8,809	8,809	---
50	NIGHT VISION ADVANCED TECHNOLOGY.....	39,916	70,916	+31,000
51	ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS.....	15,519	15,519	---
52	MILITARY ENGINEERING ADVANCED TECHNOLOGY.....	7,654	35,974	+28,320
53	ADVANCED TACTICAL COMPUTER SCIENCE & SENSOR TECHNOLOGY	48,236	62,236	+14,000
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	738,858	1,404,838	+665,980

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST	
-----				
DEMONSTRATION & VALIDATION				
54	UNIQUE ITEM IDENTIFICATION (UID).....	649	649	---
55	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION.....	14,005	91,065	+77,060
56	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION (SPACE).....	19,986	47,986	+28,000
57	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING.....	116,410	119,210	+2,800
59	LANDMINE WARFARE AND BARRIER - ADV DEV.....	29,234	14,234	-15,000
60	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV.....	3,840	3,840	---
61	TANK AND MEDIUM CALIBER AMMUNITION.....	45,866	40,866	-5,000
62	ADVANCED TANK ARMAMENT SYSTEM (ATAS).....	108,012	79,612	-28,400
63	SOLDIER SUPPORT AND SURVIVABILITY.....	30,716	25,716	-5,000
65	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT.....	2,588	2,588	---
66	ENVIRONMENTAL QUALITY TECHNOLOGY.....	5,355	15,355	+10,000
67	WARFIGHTER INFORMATION NETWORK-TACTICAL.....	414,357	394,357	-20,000
68	NATO RESEARCH AND DEVELOPMENT.....	5,041	5,041	---
69	AVIATION - ADV DEV.....	7,455	9,855	+2,400
70	LOGISTICS AND ENGINEER EQUIPMENT - ADV DEV.....	44,141	44,141	---
71	COMBAT SERVICE SUPPORT CONTROL SYSTEM EVALUATION.....	17,788	17,788	---
72	MEDICAL SYSTEMS - ADV DEV.....	26,308	30,308	+4,000
73	SOLDIER SYSTEMS - ADVANCED DEVELOPMENT.....	36,558	41,758	+5,200
	TOTAL, DEMONSTRATION & VALIDATION.....	928,309	984,369	+56,060
-----				
ENGINEERING & MANUFACTURING DEVELOPMENT				
76	AIRCRAFT AVIONICS.....	71,562	71,562	---
77	ARMED, DEPLOYABLE OH-58D.....	135,652	135,652	---
78	ELECTRONIC WARFARE DEVELOPMENT.....	32,325	36,325	+4,000
80	TRACTOR CAGE.....	16,807	16,807	---
82	INFANTRY SUPPORT WEAPONS.....	42,414	58,254	+15,840
83	MEDIUM TACTICAL VEHICLES.....	1,949	1,949	---
84	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-SDD.....	5,603	5,603	---
85	FAMILY OF HEAVY TACTICAL VEHICLES.....	2,901	4,501	+1,600
86	AIR TRAFFIC CONTROL.....	14,214	14,214	---
89	NON-LIGHT OF SIGHT LAUNCH SYSTEM.....	200,099	208,699	+8,600
90	NON-LINE OF SIGHT CANNON.....	89,841	89,841	---
91	FCS MANNED GRD VEHICLES & COMMON GRD VEHICLE.....	774,257	785,257	+11,000
92	FCS SYSTEMS OF SYSTEMS ENGR & PROGRAM MGMT.....	1,413,945	1,419,445	+5,500
93	FCS RECONNAISSANCE (UAV) PLATFORMS.....	34,379	57,379	+23,000

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
94 FCS UNMANNED GROUND VEHICLES.....	96,918	103,318	+6,400
95 FCS UNATTENDED GROUND SENSORS.....	12,967	17,067	+4,100
96 FCS SUSTAINMENT & TRAINING R&D.....	539,145	558,145	+19,000
97 MODULAR BRIGADE ENHANCEMENT.....	64,900	111,400	+46,500
98 NIGHT VISION SYSTEMS - SDD.....	44,508	51,708	+7,200
99 COMBAT FEEDING, CLOTHING, AND EQUIPMENT.....	2,499	2,499	---
100 NON-SYSTEM TRAINING DEVICES - SDD.....	35,424	38,424	+3,000
101 AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE -SDD....	22,415	22,415	---
102 CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT.....	26,244	26,244	---
103 AUTOMATIC TEST EQUIPMENT DEVELOPMENT.....	23,582	18,582	-5,000
104 DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS) - SDD.....	16,095	17,775	+1,680
105 COMBINED ARMS TACTICAL TRAINER (CATT) CORE.....	29,468	30,668	+1,200
106 JOINT NETWORK MANAGEMENT SYSTEM.....	676	676	---
107 WEAPONS AND MUNITIONS - SDD.....	52,140	58,140	+6,000
108 LOGISTICS AND ENGINEER EQUIPMENT - SDD.....	37,718	38,518	+800
109 COMMAND, CONTROL, COMMUNICATIONS SYSTEMS - SDD.....	9,795	9,795	---
110 MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT	34,971	45,371	+10,400
111 LANDMINE WARFARE/BARRIER - SDD.....	126,475	117,075	-9,400
113 ARTILLERY MUNITIONS .....	78,197	79,397	+1,200
114 COMBAT IDENTIFICATION.....	10,909	10,909	---
115 ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE...	67,535	65,535	-2,000
117 GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBs).....	60,308	50,308	-10,000
118 FIREFINDER.....	47,845	47,845	---
119 SOLDIER SYSTEMS - WARRIOR DEM/VAL.....	15,790	17,790	+2,000
120 ARTILLERY SYSTEMS .....	42,300	33,300	-9,000
121 PATRIOT/MEADS COMBINED AGGREGATE PROGRAM (CAP).....	431,270	431,270	---
122 NUCLEAR ARMS CONTROL MONITORING SENSOR NETWORK.....	6,260	6,260	---
123 INFORMATION TECHNOLOGY DEVELOPMENT.....	73,740	68,040	-5,700
124 JOINT AIR-TO-GROUND MISSILE (JAGM).....	118,517	118,517	---
TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	4,964,559	5,102,479	+137,920



(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
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RDT&E MANAGEMENT SUPPORT			
126 THREAT SIMULATOR DEVELOPMENT.....	21,416	25,176	+3,760
127 TARGET SYSTEMS DEVELOPMENT.....	13,498	13,498	---
128 MAJOR T&E INVESTMENT.....	64,618	64,618	---
130 RAND ARROYO CENTER.....	16,339	20,339	+4,000
131 ARMY KWAJALEIN ATOLL.....	174,601	174,601	---
132 CONCEPTS EXPERIMENTATION PROGRAM.....	28,271	34,031	+5,760
134 ARMY TEST RANGES AND FACILITIES.....	342,079	347,579	+5,500
135 ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS.....	74,624	80,974	+6,350
136 SURVIVABILITY/LETHALITY ANALYSIS.....	41,066	41,066	---
137 DOD HIGH ENERGY LASER TEST FACILITY.....	2,835	6,835	+4,000
138 AIRCRAFT CERTIFICATION.....	5,054	5,054	---
139 METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES.....	8,289	8,289	---
140 MATERIEL SYSTEMS ANALYSIS.....	17,028	17,028	---
142 SUPPORT OF OPERATIONAL TESTING.....	72,942	74,942	+2,000
143 ARMY EVALUATION CENTER.....	63,382	63,382	---
144 SIMULATION & MODELING FOR ACQ, RQTS, & TNG (SMART)....	5,325	5,325	---
145 PROGRAMWIDE ACTIVITIES.....	73,748	73,748	---
146 TECHNICAL INFORMATION ACTIVITIES.....	42,905	44,505	+1,600
147 MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY...	20,857	48,057	+27,200
148 ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT.....	5,125	5,125	---
149 MANAGEMENT HEADQUARTERS (RESEARCH AND DEVELOPMENT)....	15,665	15,665	---
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TOTAL, RDT&E MANAGEMENT SUPPORT.....	1,109,667	1,169,837	+60,170
OPERATIONAL SYSTEMS DEVELOPMENT			
151 MLRS PRODUCT IMPROVEMENT PROGRAM.....	59,749	59,749	---
153 AEROSTAT JOINT PROJECT OFFICE.....	356,434	356,434	---
154 ADV FIELD ARTILLERY TACTICAL DATA SYSTEM.....	15,860	16,660	+800
155 COMBAT VEHICLE IMPROVEMENT PROGRAMS.....	141,114	143,514	+2,400
156 MANEUVER CONTROL SYSTEM.....	37,151	37,151	---
157 AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS...	452,787	460,937	+8,150
158 AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM.....	332	332	---
159 DIGITIZATION.....	9,534	9,534	---
160 FORCE XXI BATTLE COMMAND, BRIGADE AND BELOW (FBCB2)...	38,418	23,418	-15,000
162 MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM.....	37,871	37,871	---
163 OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS.....	1,527	5,227	+3,700

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
164 TRACTOR CARD.....	19,601	19,601	---
165 JOINT TACTICAL COMMUNICATIONS PROGRAM (TRI-TAC).....	920	920	---
166 JOINT TACTICAL GROUND SYSTEM.....	1,957	1,957	---
167 JOINT HIGH SPEED VESSEL (JHSV).....	2,936	2,936	---
169 SECURITY AND INTELLIGENCE ACTIVITIES.....	---	3,200	+3,200
170 INFORMATION SYSTEMS SECURITY PROGRAM.....	38,090	41,290	+3,200
171 GLOBAL COMBAT SUPPORT SYSTEM.....	104,934	104,934	---
172 SATCOM GROUND ENVIRONMENT (SPACE).....	106,327	59,099	-47,228
173 WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM.....	12,922	12,922	---
174 JOINT COMMAND AND CONTROL PROGRAM (JC2).....	15,203	15,203	---
175 TACTICAL UNMANNED AERIAL VEHICLES.....	50,976	104,276	+53,300
177 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.....	---	3,600	+3,600
178 AVIONICS COMPONENT IMPROVEMENT PROGRAM.....	1,023	1,023	---
179 END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES.....	69,084	91,084	+22,000
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	1,574,750	1,612,872	+38,122
999 CLASSIFIED PROGRAMS.....	105,047	112,647	+7,600
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY.....	10,524,085	12,060,111	+1,536,026

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

R-1	Budget Request	Recommendation
<b>1 IN-HOUSE LABORATORY INDEPENDENT RESEARCH</b>	<b>19,832</b>	<b>19,832</b>
<b>2 DEFENSE RESEARCH SCIENCES</b>	<b>176,959</b>	<b>198,759</b>
Perpetually Available and Secure Information Systems (PASIS)		3,200
Combat Mental Health Initiative		2,400
Technology Commercialization and Management Network		1,600
Cyber Threat Analytics		2,400
Nanocrystal Source Display		1,200
Fuel Logistics Reduction through Enhanced Engine Performance		1,200
Nanostructured Materials For Photovoltaic Applications		1,600
Sustainable Alternative Energy for DoD		2,400
Direct Methanol Fuel Cell Battery Recharger Program		2,400
Unsustained growth		-7,000
Center for Advanced Energy Storage Research and Technology		1,600
Fighting Drug Resistant Infections		2,000
Flexible Electronics Research Initiative		1,600
Global Military Operating Environment		2,000
Organic Semiconductor Modeling and Simulation		1,200
Toxic Particles		800
Urban Patterns and Signatures to Support Counter-Insurgency Operations		1,200
<b>3 UNIVERSITY RESEARCH INITIATIVES</b>	<b>76,980</b>	<b>89,930</b>
Electrofluidic Chromatophores for Adaptive Camouflage		1,750
DoD International Diabetes Research Initiative		2,000
Nanosystems through Optical Biosensors		1,600
Burn and Shock Trauma Institute		2,000
Columbia College Chicago Construct Program		800
Hi-Tech Eyes for the Battlefield		1,600
Low Temperature Vehicle Performance Research		1,600
Open Source Intelligence for Force Protection and Intelligence		1,600
<b>4 UNIVERSITY AND INDUSTRY RESEARCH CENTERS</b>	<b>105,622</b>	<b>130,722</b>
Center for Nanoscale Bio-Sensors as a Defense Against Biological Threats to America		800
Manufacturing and Industrial Technology Center		800
Nanotubes Optimized for Lightweight Exceptional Strength Composite Materials		2,400
Florida Collaborative Development of Advanced Materials for Strategic Applications		1,200
Ink-Based Desktop Electronic Material Technology		1,600
Western Hemisphere Security Analysis Center		1,600
NanoSensor StageGate Accelerator (NSSA)		1,200
Development of Enabling Chemical Technologies for Power from Green Sources		1,200
Norfolk State University Center for Modeling and Simulation		2,400

R-1	Budget Request	Recommendation
Unexecutable growth		-5,000
Academic Support and Research Compliance for Knowledge Gathering		2,000
Center for Education in Nanoscience and Nanotechnology		640
Center for Information Assurance		800
Large Area Monitoring Network (LAMNET)		6,000
MEMS Antenna for Wireless Comms		2,400
Nanoscale Biosensors		2,500
Novel Methods for Detecting and Inhibiting Corrosion		1,360
Visualization for Training and Simulation in Urban Terrains		1,200
<b>5 MATERIALS TECHNOLOGY</b>	<b>26,985</b>	<b>81,205</b>
Unjustified Program Growth		-2,000
Future Affordable Multi-Utility Materials for the Army Future Combat Systems		6,400
Ultrasonic Consolidation for Armor Applications		1,200
Next Generation Protective Seat		2,400
Control System for Laser Powder Deposition		500
Improvised Explosive Device (IED) Simulation in Different Soils		500
Ultra-Endurance Coating		3,600
Nickel Boron Coating Technology for Army Weapons		2,400
Dual Stage Variable Energy Absorber		2,400
Unmanned Ground Vehicle Advanced Technology Development		2,500
One-Step JP-8 Bio-Diesel Fuel		1,600
Modeling and Testing of Next Generation Body Armor		2,000
Project Kryptolite Force Implementation Phase		1,200
Development of Improved Lighter-Weight IED/EFP Armor Solutions		1,000
Nanomanufacturing of Multifunctional Sensors		1,000
Advanced Conductivity Program (ACP)		3,500
Affordable Light-Weight metal matrix composite armor		1,600
Ballistic Armor Research		3,200
Capability Expansion of Spinel Transparent Armor Manufacturing		5,120
Composite Applied Research and Technology for FCS and Tactical Vehicle Survivability		3,000
Lattice Block Structures for AM2 Matting Replacement		2,500
Lightweight Anti-Ballistic Protection for Aircraft		400
Lightweight Transparent Armor for Force Protection		2,000
Moldable Fabric Armor		1,200
Novel Extremity Body Armor		600
Renewable Jet Fuel from Lignocellulosic Feedstocks		3,200
Ultrasonic Impact Technology		1,200
<b>6 SENSORS AND ELECTRONIC SURVIVABILITY</b>	<b>46,147</b>	<b>75,547</b>
Self-Deploying Autonomous Sensor Platforms for Situational Awareness		4,000
Adaptive Infrastructure for SOF Experimentation		2,400
Wearable Gyro-Compensated Personnel Tracking During GPS Interference		800
Semi-Autonomous or Unattended Psychological Operations and Reconnaissance Tool (SUPPORT)		2,400

R-1	Budget Request	Recommendation
Next Generation Wearable Video Capture System		800
Lookout Small Scale Radar		2,000
Intelligent Fault Protected Laser Diodes		800
Advanced Detection of Explosives (ADE)		2,400
Large Aluminum Nitride Crystals for Effective Deep Ultraviolet Sources		800
Command and Control, Communications and Computers (C4) Module		1,200
Advanced Magnetic Nanosensors for Defense Applications		4,800
Advanced UV Light Diode Sensor Development		1,600
Hydrogen Batteries for the Warfighter		3,000
Nanophotonic Devices		1,600
Terahertz Spectrometer		800
<b>8 AVIATION TECHNOLOGY</b>	<b>42,013</b>	<b>47,053</b>
Aircraft Structural Condition Monitoring (ASCM)		1,600
Helicopter Reliability and Failure Analysis Center		880
Intensive Quenching for Advanced Weapon Systems		960
Composite Small Main Rotor Blades		1,600
<b>9 ELECTRONIC WARFARE TECHNOLOGY</b>	<b>16,611</b>	<b>21,811</b>
Counter-IED Force Protection Program		2,000
Integrated Information Technology Policy Analysis Research		1,600
Battlefield Connectivity		1,600
<b>10 MISSILE TECHNOLOGY</b>	<b>48,174</b>	<b>56,934</b>
D-NET: Electrically Charged Mesh (ECM) Defense Net Troop Protection System		2,560
Materials Applications Research Center		800
Center of Excellence in Integrated Sensor Systems (CEISS)		600
Large Energy National Shock Tunnel (LENS XX) Hypervelocity Ground Testing		1,600
Mariah II Hypersonic Wind Tunnel Development		3,200
<b>11 ADVANCED WEAPONS TECHNOLOGY</b>	<b>19,664</b>	<b>23,264</b>
Remote Video Weapons Sight, USSOCOM SBIR		2,000
Army Missile and Space Technology Initiative		1,600
<b>12 ADVANCED CONCEPTS AND SIMULATION</b>	<b>17,048</b>	<b>21,848</b>
Advanced Live, Virtual and Constructive (LVC) Training Systems		1,600
Boston University Photonics Center		3,200
<b>13 COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY</b>	<b>55,234</b>	<b>89,334</b>
Nanofluids for Advanced Military Mobility		800
Extended Lifecycle Management Environment		1,000
Superlattice Semiconductors for Mobile SS Lighting and Solar Power Applications		2,400
Institute for Advanced Materials and Manufacturing Strategies (IAMMS)		1,200
DoD Hydrogen PEM Fuel Cell Medium/Heavy Duty Vehicle Demonstration Program		1,600
Turbo Fuel Cell Engine		2,500
Fire Resistant Fuels		3,200

R-1	Budget Request	Recommendation
	Improved EFP and IED Protection, Testing, Modeling and Proving Using Lithia Alumina Silica (LAS) Glass Ceramics	2,400
	Illinois Center for Defense Manufacturing	2,000
	Rapid Up-Armor Synthesis and Crashworthiness Design for Improved Soldier Survivability	1,200
	Tactical Metal Fabrication System (TACFAB)	2,000
	Ultra Light Weight Transmission for FCS	1,600
	Advanced Manufacture of Lightweight Components	2,400
	Center for Advanced Vehicle Technology and Fuel Development	800
	Condition Based Maintenance and Mission Assuredness for Ground Vehicles	2,400
	Ground Vehicle Reliability Modeling for Condition-Based Maintenance	800
	HEV Battery System for Future Combat System	1,600
	Integrated Vehicle Health Monitoring System	1,600
	Military Fuels Research Program	1,600
	Remote Unmanned Vehicle Checkpoint System	1,000
<b>14</b>	<b>BALLISTICS TECHNOLOGY</b>	<b>71,550</b>
	Advanced Composite Armor for Force Protection	1,600
	Eye-Safe Standoff Fusion Detection of CBE Threats	2,000
	5.56mm Aluminum Cartridge Case, Lake City Army Ammunition Plant	1,000
	Globally Accessible Manufacturing and Maintenance Activity Beneficial Infrastructure for Rotorcraft Risk Reduction Demonstrations	800
	Super High Accuracy Range Kit (SHARK)	3,600
	Laser Based Explosives, Chem/Bio Standoff and Point Detector	4,000
	Next Generation Lightweight Drive System for Army Weapons Systems	1,600
	Small Unmanned Aerial Vehicles and Sensors	500
	<b>CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY</b>	
<b>15</b>	<b>TECHNOLOGY</b>	<b>2,295</b>
	Systems Biology Biomarkers Toxicology Initiative	2,640
	Rapid and Accurate Pathogen Identification/Detection (RAPID) Program	1,600
	Enhanced Vapor Aeration capabilities (EVAC)	2,400
<b>16</b>	<b>JOINT SERVICE SMALL ARMS PROGRAM</b>	<b>7,531</b>
	Extreme Light Sources, University of Florida	1,600
<b>17</b>	<b>WEAPONS AND MUNITIONS TECHNOLOGY</b>	<b>30,576</b>
	MATRIC-Project National Shield Integration Center	2,000
	Wyoming Valley Integrated Command Operations Program (ICOP)	1,600
	Kinetic Energy Enhanced Lethality and Protection Materials	2,000
	Regional Integrated Command Center (RICC)	800
	Remotely Operated Weapons Systems	5,000
	Advanced Technologies, Energy and Manufacturing Science	5,000
	Developmental Mission Integration	4,000
	Rapid Prototyping for Special Projects	3,200
	Mitigation of Energetic Single Point Failures	2,400

R-1	Budget Request	Recommendation
Green Armaments/Rangesafe		2,400
Armament Systems Engineering - ASEI2		3,200
Advanced Rarefaction Weapon Engineered System		2,400
Northern Ohio Integrated Command Operations Program		1,600
Threat Detection and Neutralization Project		3,200
Specialized Compact Automated Mechanical Clearance Platform		1,600
Effects Based Decision Support Services		8,000
Advanced Materials and Process For Armament Structures (AMPAS)		2,400
Rapid Response Force Protection System		2,400
Hospital Emergency Planning and Integration (HEPI)		800
Accelerated Materials Development and Characterization for Army		2,500
Army Center of Excellence in Acoustics		4,400
Center for Borane Technology		2,000
Electro Conversion of Energetic Materials		3,600
Exploding Foil Initiators (EFI) with Nanomaterial-Based Circuits		1,600
Heavy Metals Total Life-Cycle Initiative		800
High Power Electrolytic Super-Capacitors Based On Conducting Polymers		800
Munitions Evaluation for Composite Electric Armor		1,200
Ripsaw Unmanned Ground Vehicle (UGV) Weaponization		1,200
<b>18 ELECTRONICS AND ELECTRONIC DEVICES</b>	<b>45,278</b>	<b>100,018</b>
Extremely High Frequency (EHF) Transmitter for WIN-T Satellite Communications		2,000
Bio-Battery		800
Advanced Portable Power Institute		1,600
Compact Eyesafe Tactical Laser		1,200
Advanced Tactical 2KW External Combustion Power Sources for Cogeneration Applications		2,400
Highly Reliable, Maintenance Free Remote Solar Power System		640
Miniature Cooling Unit for Electronic Devices		800
Fuel Cell Power System		800
Manufacturing Technology Development of Advanced Solid State Lasers		2,400
Micro-Machined Switches in Support of Transformational Communications Architecture		2,400
Large Format Li-Ion Battery		800
Integrated Lightweight Tracker System		1,600
High-Frequency, High-Power Electronic and Optoelectronic Devices on Aluminum Nitride		3,200
Soldier Portable Power Pack (SP3) for the 21st Century Warrior		1,700
Novel Zinc Air Power Sources for Military Applications		1,600
SOCOM Lightweight Unmanned Ground Robot		1,600
Advanced Energy Storage Development for Renewable Energy Generation		1,200
Co-Generation of Power and Air Conditioning		800
Soldier Fuel Cell System		2,400
ONAMI Miniature Tactical Energy Systems Development		2,400
Program Increase		5,600

R-1	Budget Request	Recommendation
Solid Oxide Fuel Cell Powered Tactical Smart Charger		1,600
Advanced Soldier Portable Power Systems Technologies		1,600
Ceramic Membrane Battery Systems		1,200
Cogeneration for Enhanced Cooling and Heating of Advanced Tactical Vehicles		2,400
Maryland Proof of Concept Alliance for Defense Technologies		3,500
Military Jet-Fueled Fuel Cell Generator		800
Renewable Energy for Military Applications		1,600
Self Powered, Lightweight, Flexible Display Unit on a Plastic Substrate		1,600
Stabilized Enzyme Biofuel Cell (SEBC) for Unmanned Ground Sensors		800
Tactical Asset Visibility Enhancement		500
Thermoelectric Power Generation Materials and Devices		1,200
<b>19 NIGHT VISION TECHNOLOGY</b>	<b>25,647</b>	<b>46,847</b>
Next Generation Communications System		1,200
Lightweight Polymer Designs for Soldier Combat Optics		1,200
Miniaturized Sensors for Small and Tactical Unmanned Aerial Vehicles (MINISENS)		1,200
Uncooled Metal-Oxide Semiconductor Field-Effect Transistor (MOSFET) Embedded Micro-cantilevers		2,400
Night Vision Technology Research		9,600
Small Business Infrared Material Manufacturing-Silicon Alternative Substrates		5,600
<b>20 COUNTERMINE SYSTEMS</b>	<b>21,815</b>	<b>32,415</b>
Spectroscopic Materials Identification Center		800
Hawaii Undersea Chemical Military Munitions Assessment Plan		4,000
Standoff Improvised Explosive Device Detection Program		4,800
UXO Detection and Classification in Volcanic Soil Using an Integrated Fully Polametic GPR and Chemical Sensor Technology		1,000
<b>21 HUMAN FACTORS ENGINEERING TECHNOLOGY</b>	<b>17,348</b>	<b>42,348</b>
LWI Training-based Collaborative Research		25,000
<b>22 ENVIRONMENTAL QUALITY TECHNOLOGY</b>	<b>16,064</b>	<b>19,864</b>
Range Scrap Disposal, Hawthorne Army Depot		800
MLRS Disposal System		3,000
<b>COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY</b>	<b>24,014</b>	<b>41,354</b>
Portable Non-Magnetic Compass/Positioning/Timing Device		1,600
Innovative Wireless Technologies for Sensor Networks		700
21st Century Command, Control, and Communications Technology		640
Automated Language and Cultural Analysis for National Security		2,000



R-1	Budget Request	Recommendation
Dynamically Managed Data Dissemination (DMDD)		1,200
On-The-Move Telescoping Mast		2,400
Intelligent Distributed Command and Control (IDC2)		2,400
Tactical Booster for Mobile Network Centric Warfare		1,600
Ruggedized Cylinders for Expandable Mobile Shelters		2,400
Modular Universal TOC Packages for Vehicles and Shelters		2,400
<b>24 COMPUTER AND SOFTWARE TECHNOLOGY</b>	<b>5,495</b>	<b>6,295</b>
Lightweight Soldier Sensor Computing		800
<b>25 MILITARY ENGINEERING TECHNOLOGY</b>	<b>52,066</b>	<b>59,006</b>
Nano-Crystalline Cement for High Strength, Rapid Curing Concrete with Improved Blast Resistance		1,440
Cellulose Nanocomposite Panels for Enhanced Blast and Ballistic Protection		2,400
Airborne Threats		1,500
Geosciences/ Atmospheric Research (CG/AR)		1,600
<b>27 WARFIGHTER TECHNOLOGY</b>	<b>21,948</b>	<b>36,252</b>
Protective Textile Fabric		800
Advanced Thermal Processing of Packaged Combat Rations		1,680
Solid State Shelter Lighting System		384
Chemical and Biological Protective Hangars		2,240
Photovoltaic Tent Fabric		2,800
Injection Molded Ceramic Body Armor		800
Wearable Personal Area Network Technology		2,400
Biosecurity for Soldier Food Safety		1,600
Lightweight 1-2 Person Low-Pressure Inflatable Tents		800
Modular Ballistic System for Force Protection		800
<b>28 MEDICAL TECHNOLOGY</b>	<b>75,395</b>	<b>188,835</b>
Battlefield Research Accelerating Virtual Environments for Military Individual Neuro Disorder (BRAVEMIND)		800
Battlefield Treatment of Hemorrhagic Shock		800
Biological and Immunological Infectious Agent and Cancer Vaccine Research		800
Cancer Prevention through Remote Biological Sensing		1,600
Center for Injury Biomechanics		3,200
Center for Ophthalmic Innovation (Note: Department of Defense Military Health System Enhancement)		2,400
Plug-In Architecture for DoD Medical Imaging		800
Cold Springs Harbor Laboratory-Women's Cancer Genomics Center (Note: Department of Defense Military Health System Enhancement)		2,800
Combat Stress Intervention Program (CSIP)		2,400
Consortium for Bone and Tissue Repair and Regeneration		800
Control of Vector-Borne Diseases		1,200
Copper Air Quality Program		2,000
Disposable Unit Dose Drug Pumps for Anesthesia and Antibiotics		1,750
Extended Duration Silver Wound Dressing-Clinical Trials		1,600
Lehman Injury Research Center (Ryder Trauma Center) (Note: Includes Funding for Jackson Health System)		6,000
Medical Resources Conservation Technology System		2,400

R-1	Budget Request	Recommendation
		10,000
	Military Interoperable Digital Hospital Testbed	
	Minimizing Health Effects of Air Toxins on Military Personnel	1,600
	Nanofabricated Bioartificial Kidney, Pancreas and Liver	2,500
	Nano-Imaging Agents for Early Disease Detection	1,600
	National Eye Evaluation and Research Network (NEER) - Clinical Trials of Orphan Retinal Degenerative Diseases	800
	Neural Controlled Prosthetic Device for Amputees	1,600
	Neuroimaging of Brain Disorders	800
	Neuroscience Research Consortium to Study Spinal Cord Injuries	800
	Neutron/Hadron Particle Therapy	1,200
	New Vaccines to Fight Respiratory Infection	4,000
	Plant-based Vaccine Research (Mitchell Memorial Cancer Center)	2,000
	Plasma Technology Laboratory	800
	Prevention of Compartment Syndrome, Ultrafiltration Catheter	1,600
	Rapid Vaccine Discovery Technology	1,600
	Self-Powered Prosthetic Limb Technology	2,400
	Synchrotron-based Scanning Research Neuroscience and Proton Institute	5,000
	Use of Drugs to Reduce Hearing Loss from Acute Acoustic Trauma	1,280
	Wound Infection Treatment Program	2,400
	Behavior and Neuroscience, Functional Magnetic Resonance Imaging Research Project	800
	Expanding Access to Proven Lifestyle Modification Treatments Focused on Preventing and Reversing Chronic Diseases	1,750
	Vision Integrating Strategies in Ophthalmology and Neurochemistry (VISION)	3,200
	Advanced Functional Nanomaterials for Biological Processes	2,000
	Carbon Nanotube Production	1,200
	Center for Aerospace Human Factors Research and Innovation	800
	Complementary & Alternative Medicine Research for Military Operations & Healthcare	5,000
	Development of Drugs for Malaria and Leishmaniasis in US Military and Civilian Personnel	3,400
	Engineering Replacement Tissues	1,600
	Expansion and Development Upper and Lower Bionic Limbs	2,000
	Facilitating Use of Advanced Prosthetic Limb Technology	1,600
	Freeze Dried Blood Technology Clinical Research	2,000
	Military Photomedicine Program	2,800
	Mosquito Born Disease Prevention : Malaria & Dengue Fever	800
	Optical Neural Techniques for Combat / Post-Trauma Healthcare	1,600
	Peer Reviewed Orthopaedic Extremity Trauma Research	5,000
	Respiratory Biodefense Initiative	1,600
	Soldier Survival in Extreme Environments	2,960
<b>29</b>	<b>WARFIGHTER ADVANCED TECHNOLOGY</b>	<b>46,793</b>
	Chemical and Biological Threat Protection Coating	2,400
	Precision Guided Airdropped Equipment	3,680
	Compact, Day and Night CMOS Camera for Mini and Micro UAVs	2,000

R-1	Budget Request	Recommendation
Improved Lightweight Integrated Communication and Hearing Protection Device		800
Flame and Thermal Protection for Individual Soldier		3,200
Ballistic Precision Aerial Delivery System (BPADS)		1,000
Aerial Firefighting - Precision Container Aerial Delivery System (PCADS)		2,320
Ration Packaging Materials and Systems for MREs		3,600
Compact MVCC Soldier Cooling System		1,600
Multi-layer Coextrusion for High Performance Packaging		2,400
J50 Unsustained Growth		-3,000
High Pressure Processing Prototype for Meals-Ready-to-Eat (MRE)		1,600
Laser Studied and Enhanced Reactive Materials: Self-Decontaminating Polymers for Chemical-Biological Defense		1,600
Novel Flame Retardant Nylon Fabrics		1,200
Technology and Human Systems Integration		2,400
<b>30 MEDICAL ADVANCED TECHNOLOGY</b>	<b>59,043</b>	<b>322,323</b>
Advanced Medical Multi-Missions and CASEVAC Roles (Note: VTOL man rated UAV/JGV)		800
Advanced Restoration Therapies in Spinal Cord Injuries		2,000
Alliance for NanoHealth (Note: Department of Defense Military Health System Enhancement)		3,200
Anti-Terror Medical Technology Program		2,800
Angiogenesis and Tissue Engineering Research		1,200
Automated and Portable Field System for the Rapid Detection and Diagnosis of Diseases		1,600
National Oncogenomics and Molecular Imaging Center		3,200
Brain Interventional-Surgical Hybrid Initiative		1,600
Brain, Biology, and Machine Applied Research		1,600
Cellular Therapy for Battlefield Wounds (Phase II)		1,600
Center for Integration of Medicine and Innovative Technology		8,000
Center of Cardiac Surgery Robotic Computerized Telemanipulation (Note: As part of a Comprehensive Approach to Advanced Heart care)		1,600
Center of Genetic Origins of Cancer (Note: Department of Defense Military Health System Enhancement)		2,400
Center for Untethered Health Care		1,000
Chronic Tinnitus Treatment Program		1,000
Clinical Looking Glass Project (Note: to Enhance the capabilities of the Fort Drum, New York Military Health System)		800
Composite Tissue Allotransplantation Research and Clinical Program		1,600
Corneal Wound Repair		5,500
Extremity War Injury Research Foundation		800
Fibrin Adhesive Stat (FAST) Dressing		3,000
Host Pathogen Interaction Study		3,200
Human Genomics, Molecular Epidemiology, and Clinical Diagnostics for Infectious Diseases (Note: Department of Defense Military Health System Enhancement)		1,160
Infectious and Inflammatory Disease Center at the Burham Institute for Medical Research (Note: Department of Defense Military Health System Enhancement)		2,400
Institute for the Advancement of Bloodless Medicine		1,600
Institute of Surgical and Interventional Simulation (ISIS)		4,400

R-1	Budget Request	Recommendation
Integrated Functional Materials		800
Joint Collaborative Medical Information System (JCMIS)		3,200
Limb Tissue Regeneration after Battlefield Injuries using Bone Marrow Stem Cells		3,000
Limb Regeneration Through Biometrics Technology		800
Linear Accelerator Cancer Research		800
Mary Bird Perkins Cancer Center (Note: A treatment Planning Research Laboratory for High Performance Computing and Radiation Dose Effects for the Department of Defense)		2,400
Mass Scale Biosensor Threat Diagnostic for In-Theater Defense Utilization (FIU)		1,600
Maine Institute for Human Genetics and Health		1,600
Midwest Traumatic Injury Rehabilitation Center		1,460
Military Low Vision Research		1,600
MUSC Cancer Genomics Research Collaborative		800
Neuroimaging and Neuropsychiatric Trauma in Warfighters		5,000
Assistive Technology Research Center at the National Rehabilitative Hospital		2,400
National Warfighter Health Sustainment Study		800
National Center of Ophthalmology Training and Education at Wills Eye Center		1,000
Oncology Group Pediatric Cancer Research (CH)		1,600
Prader Willi Syndrome (PWS) Research		1,600
Prostate and Ovarian Cancer Biomarkers (Note: Department of Defense Military Health System Enhancement)		1,200
Proteomics Project (CH-LA)		1,200
Rehabilitation and Assistive Technologies to Enhance the Life of Individuals with Disabilities		800
Remote Bio-Medical Detector		2,000
Rural Health (CERMUSA) (Note: to serve remote and rural military retiree populations)		2,400
Rugged Electronic Textile Vital Signs Monitoring		3,000
Smart Prosthetics Research		1,600
Southeast Nebraska Cancer Center-National Functional Genomics Center		1,200
Spinal Muscular Atrophy (SMA) Research Program		3,200
Stratice Dermal Matrix Research		2,400
Technologies for Metabolic Monitoring (TMM)		800
Telepharmacy Remote Medicine Device Unit (TRMDU)		1,400
Trauma Hemostat		800
Ultra High Speed MEMS Electromagnetic Cell Sorter (UHSMECS)		2,400
Ultra-High Resolution Display for Army Medicine (UHRDARM)		4,000
UMDJ Cancer Initiative		2,400
Warfighter Cancer Care Engineering		2,400
Wireless Electronic Patient Records		3,200
National Functional Genomics Center		6,000
Returning Soldier Adjustment Assessment Remote Monitoring System		3,120
Controlled Release of Anti-Inflammatory and Tissue Repair Agents from Prosthetic Devices and Burn Treatment		6,000
Green Environmentally Sustainable Laboratories and Clean Rooms (USAMRMC)		800
Battlefield Exercise and Combat Related Spinal Cord Injury Research (Miami Project)		800
Battlefield Nursing Program		1,600

R-1	Budget Request	Recommendation
	Personal Status Monitor	2,000
	Intensive Care Unit to Intensive Care Hospital	2,400
	Total Quality System for FDA Regulated Activities Database	1,440
	Accelerating Treatment for Trauma Wounds	1,200
	Feeding Tube for Battlefield Trauma Patients (Phase II)	1,600
	Gulf War Illness Peer-Reviewed Research Program	8,000
	Neurofibromatosis (NF) Research	10,000
	Military Adult Stem Cell Collection and Storage Project	800
	Medical Errors Reduction Initiative	400
	Neurotoxin Exposure Treatment Parkinsons Research Program	25,000
	101st Airborne Injury Prevention & Performance Enhancement Research Initiative	2,000
	Advanced Lower Limb Protheses for Battlefield Amputees	1,600
	Advanced Regenerative Medicine Therapies for Combat Injuries	3,000
	Advanced Surface Technologies for Prosthetic Development	1,600
	Battlefield Tracheal Intubation	4,200
	Biodefense Tech Transfer Initiative (only for militarily relevant technology)	1,500
	Bioelectrics Research for Casualty Care and Management	1,600
	Biosensor, Communicator and Controller System	5,000
	Blood, Medical & Food Safety Via Eco-Friendly Wireless Sensing	1,000
	Blood Safety and Decontamination Technology	1,600
	Combat Wound Initiative at WRAMC	1,600
	Control of Inflammation and Tissue Repair	3,200
	Health Sciences Regenerative Medicine Center	3,000
	Hibernation Genomics	2,000
	Integrated Patient Quality Program	1,600
	International Heart Institute/US Army Vascular Graft Research Project	1,000
	Medical Modeling and Simulation Through Synthetic Digital Genes	1,000
	Military Burn Trauma Research Program	4,000
	Military Nutrition Research: Personnel Readiness and Warfighter Performance	1,600
	Modular Stethoscope For Harsh Environments	1,200
	National Biodefense Training	5,000
	Novel Approaches to Reduce the Severity of Battlefield Combined Tissue Injury	1,600
	Online Medical Training for Military Personnel	2,800
	Portable Autonomous Fluid-less Near-infrared Non-invasive Alcohol Testing Devices	500
	Safe Airway Access in Combat	2,000
	Smart Prosthetic Hand Technology	1,600
	Solutions for Infection Control in Military Hospitals	2,000
	Staph Vaccine	4,000
	Trauma Care, Research and Training	2,400
	Weight Measurements and Standards for Military Personnel	2,000
<b>31</b>	<b>AVIATION ADVANCED TECHNOLOGY</b>	<b>57,277</b>
	Defense Helicopter Power Dense Transmission	1,280
	Drive System Composite Structural Component Risk Reduction Program	2,400

R-1	Budget Request	Recommendation
Autonomous Cargo Acquisition for Rotorcraft Unmanned Aerial Vehicles		2,400
Brownout Sensor Visualization and Hazard Avoidance System		800
Heavy Fuel Burning Engines for UAVs		2,000
Cutting Tools and Materials for Aerospace		800
Non-Hazardous Infrared Anti-Reflective Coatings for Army Aircraft Sensors		1,200
Reconfigurable Tooling System		1,600
Mission Execution Technology Implementation		3,200
Power Dense Transmissions		1,280
Fuel Cells for Mobile Robotic Systems Project		800
Universal Control Full Authority Digital Engine Control (FADEC)		3,200
UAV-Resupply BURRO		1,200
Inter Turbine Burner for Turbo Shaft Engines		3,200
Improved Black Hawk De-Icing		800
Technologies for Military Equipment Replenishment		3,600
Army Aviation Weapon Technology		800
Enhanced Rapid Tactical Integration and Fielding Systems (ERTIFS)		1,600
Helicopter Vulnerability Reduction		2,400
Next Generation Ice Protection Technologies		1,600
Parts on Demand for CONUS Operations		5,000
QuickMEDS		800
UAS Sense and Avoid Concept Evaluation for Airspace Integration		2,400
Vectored Thrust Ducted Propeller Compound Helicopter		5,000
<b>32 WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY</b>	<b>73,697</b>	<b>109,437</b>
Unjustified Program Growth		-2,500
Advanced Lightweight Gunner Protection Kit		1,200
Lens-Less Micro Seeker System for Small Steerable Projectiles		1,600
Micro Electrical Mechanical Systems (MEMS) Technology and Plastic Armor Applications		1,600
Rapid Insertion of Developmental Technology		2,400
Enhanced Jamming Resistant Technology for INS/GPS Precision Guided Munitions		1,600
Lightweight Munitions and Surveillance System for Unmanned Air and Ground Vehicles		2,800
Advanced Medium Caliber Tungsten Penetrators		1,600
Titanium Powder Advanced Forged Parts Program		1,600
Nanotechnology Fuze-On-A-Chip		2,800
Advanced Prototyping with Non-Traditional Suppliers		3,200
Precision Molding Manufacturing Technology for Infrared Aspheric Optics		2,320
Advanced Fuzing Technologies		3,600
Development of Truck Deployed Explosive Containment Vessel		1,600
Hybrid Luminescent Ammunition		800
Lightweight Cannon Recoil Reduction		1,920
Nanotechnology Manufacturing Center		2,000
Novel Guidance Kit - Phase 2 (NGK2) for M864 Projectile		4,000
Raman Chemical ID System		1,600

R-1	Budget Request	Recommendation
<b>COMBAT VEHICLE AND AUTOMOTIVE ADVANCED</b>		
<b>33 TECHNOLOGY</b>	<b>107,992</b>	<b>264,752</b>
Advanced Performance Transparent Armor for Tactical Wheeled Vehicles		1,200
Logistical Fuel Processors for Army Development Program		2,800
No-Idle Climate Control for Military Vehicles		1,600
JAMMA Lightweight, Armored, Hybrid, Power Generating, Tactical Vehicle		2,000
Tactical RPG Airbag Protection System (TRAPS) Enhancement		800
Model-Based Engineering Environment		800
Lithium Ion Battery Exchange Program		2,400
Medium Sized Unmanned Ground Vehicles Platform		2,000
Advanced Lithium Ion Phosphate Battery System for Army Combat Hybrid HMMWV and Other Army Vehicle Platforms		2,000
Dynamometer Facility Upgrade Program at TARDEC		3,200
Antiballistic Windshield Armor		3,600
Fire Shield		3,200
Commercially Viable Si/C Power Semiconductors Using Superlattice Technology		2,560
Stryker Second Source Tire Research		800
N-STEP-Enabled Manufacturing Cell for Future Combat Systems		2,400
Plug-In Hybrid Vehicle Electrification Program		3,200
Light Weight Medical Evacuation Unit		1,600
End-to-End Vehicle Survivability Technology		1,600
Diminishing Manufacturing Sources and Material Shortages Case Resolution Program		2,400
3D2 Advanced Battery Technology		4,000
Vehicle Armor Structure Development and Testing for Future Combat Systems and Joint Light Tactical Vehicle		800
MRAP Supportability System (MSS)		4,000
Magneto-Rheological (MR) Suspensions for Tactical Wheeled Vehicles		2,400
Advanced Lightweight Multi-Functional Multi-Threat Composite Armor Technology		2,400
Hydraulic Hybrid Vehicles (HHV) for the Tactical Wheel Fleet		800
Base Security Systems		1,200
Auxiliary Power Unit (APU) for the Abrams M1/A2 Tank		2,400
C4ISR Auxiliary Power Unit (APU) for Soldier Tactical Applications		1,600
Tactical Wheeled Vehicle Structures for Improved Survivability and Performance		8,000
Advanced Composites for Light Weight, Low Cost Transportation Systems using 3+ Ring Extruder		2,400
Advanced Thermal Management System		2,400
Ceramic and Metal Matrix Composite (MMC) Armor Development Using Ring Extruder Technology		800
Next Generation Diesel Engine for Ground Vehicles		4,000
Wireless Analysis and Visualization Engines for Sensors (WAVES)		800
Joint Combat Support Trailer		3,200
Advanced Digital Hydraulic Hybrid Drive System		2,000
Advanced Drivetrains for Enhanced Mobility and Safety		1,600
Advanced Corrosion Protection for Military Vehicles		2,400

R-1	Budget Request	Recommendation
	Advanced Hybrid Electric Vehicle Technologies for Fuel Efficient Blast Protected Vehicles	1,200
	Alternative Energy Research	20,000
	Applied Power Management Control and Integration	800
	Combat Vehicle Electrical Power-21st Century (CVEP-21)	800
	Crosshairs Hostile Fire Indicating System	2,000
	Enhanced Military Vehicle Maintenance System Demonstration Project with Anniston Army Depot and Auburn University	1,600
	FCV Advanced Suspension System	1,600
	Ground Vehicle Integration Technologies	2,400
	Ground-forces Readiness Enabler for Advanced Tactical Vehicles (GREAT-V)	800
	Hull Humvee Protection Program	2,000
	Hybrid Electric (Heavy Truck) Vehicle	2,400
	Implementation of an Advanced Tactical Wheeled Armored Vehicle System	3,000
	Light Tactical Vehicle Ambulance Shelter	2,400
	Light Weight Structural Composite Armor for Blast and Ballistic Protection	1,600
	Lightweight Partial Hybrid Electric Military Transport Vehicle	1,600
	Michigan Technological University's Project for Diverse Sensing for Synergistic Force Protection in Urban Threat Environments	800
	Next Generation Non-Tactical Vehicle Propulsion	1,600
	Novel Onboard Hydrogen Storage System Development	800
	Payload and Advanced Development for Next Generation Robot Platform	2,000
	Power and Energy Research Equipment Upgrades	6,000
	Robotics Vehicle Secure Communications	2,000
	Unmanned Ground Vehicle Initiative (UGVI)	12,000
	<b>COMMAND, CONTROL, COMMUNICATIONS ADVANCED TECHNOLOGY</b>	
34	Vertical/Horizontal Integration of Space Technologies and Applications (VISTA)	9,183
		11,583
		2,400
36	<b>ELECTRONIC WARFARE ADVANCED TECHNOLOGY</b>	50,961
	Applied Communications and Information Networking (ACIN)	3,200
	Maritime C4ISR System	800
	Advanced Wireless Technologies	1,200
	Networked Dynamic Spectrum Access Investigation Enhanced MBITR	2,400
	Portable Emergency Broadband System	4,000
38	<b>NEXT GENERATION TRAINING &amp; SIMULATION SYSTEMS</b>	18,881
	Joint Fires and Effects Training System (JFETS)	2,000
	Joint Medical Simulation Technology Research and Development Center (JMSTRDC)	1,600
	Experiential Technologies for Urban Warfare and Disaster Response	500
	Mobile Medic Training Program	800
	Vigilant Sentinel Auto-ID and Access Control System	1,600



R-1		Budget Request	Recommendation
41	<b>EXPLOSIVES DEMILITARIZATION TECHNOLOGY</b>	<b>10,564</b>	<b>13,764</b>
	Transportable Cryofracture/Plasma Arc		1,600
	Press-Loaded Explosive Projectile Washout Line		800
	Unserviceable Ammunition Demilitarization via Chemical Dissolution		800
42	<b>MILITARY HIV RESEARCH</b>	<b>7,116</b>	<b>15,116</b>
	HIV Research		8,000
45	<b>ELECTRONIC WARFARE TECHNOLOGY</b>	<b>23,996</b>	<b>33,196</b>
	Advanced Communications ECM Demo		1,600
	Non-communications ECM Technology Demo		1,200
	Advanced IED Jammer Research and Development Program		2,000
	ALQ-211 Networked EW Controller		1,600
	Highly Mobile Remote Controlled IED Countermeasures		800
	Aerial Canopy MASINT System		2,000
46	<b>MISSILE AND ROCKET ADVANCED TECHNOLOGY</b>	<b>63,998</b>	<b>76,958</b>
	Rapid Response System for Active Protection of Ground and Air Vehicles		4,160
	Advanced Commercial Technology Insertion for Aviation and Missile Research, Development, and Engineering		2,400
	Army Responsive Tactical Space System Exerciser (ARTSSE)		2,000
	Heavy Fuel High Efficiency Turbine Engine		2,000
	High Fidelity Virtual Simulation and Analysis		1,600
	Long Range Hypersonic Interceptor		800
48	<b>LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY</b>	<b>30,797</b>	<b>37,657</b>
	Enhanced Landmine and IED Detection System		960
	Advanced Demining Technology		5,900
50	<b>NIGHT VISION ADVANCED TECHNOLOGY</b>	<b>39,916</b>	<b>70,916</b>
	Hyperspectral Sensor for Improved Force Protection (Hyper-IFP)		1,600
	Brownout Situational Awareness Sensor		1,600
	Personal Miniature Thermal Viewer		1,600
	Night Vision Advanced Technology Research		12,000
	Enhanced Digital Electronic Night-Vision (EDEN)		1,600
	InfraRed Goggle Upgrade System (IRGUS)		800
	Mini-LRAS3 Scout Surveillance System		1,600
	Passive IR Sensor for Persistent Wide Area Surveillance		2,000
	Short Range Electro Optic (SREO)		1,600
	Smart Data Project: Real-Time Geospatial Video Sensor Intelligence		800
	Smart Sensor Supercomputing Center		5,800
52	<b>MILITARY ENGINEERING ADVANCED TECHNOLOGY</b>	<b>7,654</b>	<b>35,974</b>
	Enhanced Holographic Imager		2,480
	Direct Methanol Fuel Cell Development		800
	Synthetic Automotive Virtual Environments		2,400
	Defense Applications of Carbonate Fuel Cells		1,600
	Complete Molten Carbonate Fuel Cell Demonstrator - Parks Reserve Forces Training Area		1,600

R-1	Budget Request	Recommendation
		Nanotechnology for Potable Water and Waste Treatment 1,000
		Human Terrain Geographic Decision Support 3,000
		University Center for Disaster Preparedness and Emergency Response 1,600
		Army Applications of Direct Carbon Fuel Cells 800
		Conversion of Municipal Solid Waste to Renewable Diesel Fuel 1,600
		Gas Engine Driven Air Conditioning (GEDAC) Demonstration 2,400
		C-RAM Armor Development 800
		Biomass-to-Liquid Using Synthetic Enzymes 2,000
		Quiet, Low-Impact Alternative Energy Technology 2,240
		Advanced Tactical Fuels for the U.S. Military 4,000
		<b>ADVANCED TACTICAL COMPUTER SCIENCE &amp; SENSOR TECHNOLOGY</b>
<b>53</b>	<b>48,236</b>	<b>62,236</b>
		Advanced Radar Transceiver IC Development 800
		VideoArgus 2,000
		Foliage Penetrating, Reconnaissance, Surveillance, Tracking, and Engagement Radar (FORESTER) 3,200
		Embedding Iris Recognition Technology On-board Warfighter Personal Equipment 800
		Software Lifecycle Affordability Management Phase II (SLAM II) 800
		CERDEC Airborne and Ground Wideband Digital Communications and Antenna Testbed 1,600
		HYPERSAR 2,400
		Radar Tag Emitters 2,400
<b>55</b>	<b>14,005</b>	<b>91,065</b>
		<b>ARMY MISSILE DEFENSE SYSTEMS INTEGRATION</b>
		Standoff Hazardous Agent Detection and Evaluation System 2,800
		Biological Air Filtering System Technology 1,600
		Advance Stand off Technologies for National Security 1,200
		Remote Explosive Analysis and Detection System (READS) 2,240
		High Detail Architecture Analysis Tool (HDAAT) 1,440
		Processing DNA Data Using Classical Discrimination Techniques (PRODDUCT) 2,000
		Radiation Hardening Initiative 2,400
		Advanced Hypersonic Weapon Technology Demonstration 2,400
		Advanced Electronics Rosebud Integration 3,200
		Thermal and Electrical Nanoscale Transport (TENT) 1,600
		Composite Structure Design 1,600
		Micro-Systems Nanotechnology for Advanced Technology Development 1,000
		Deployable Space and Electronic Warfare Analysis Tools 800
		Compact Pulsed Power Initiative 3,000
		Advanced Fuel Cell Research Program 3,000
		Adaptive Lightweight Materials for Missile Defense 1,600
		Advanced Cavitation Power Technology 4,400
		Advanced Environmental Control Systems 5,500
		Advanced Strap Down Seeker 5,000
		Alternative Power Technology for Missile Defense 4,000
		Detection Algorithms and Software for Force Protection 1,600
		Detection, Mitigation and Neutralization of High Explosive, Dielectrically Enhanced Sensor Systems (DESS) 3,500
		1,200

R-1	Budget Request	Recommendation
		2,000
		2,000
		4,500
		3,200
		5,000
		3,280
<b>56 ARMY MISSILE DEFENSE SYSTEMS INTEGRATION (SPACE)</b>	<b>19,986</b>	<b>47,986</b>
High Fidelity Imaging System (HiFIS)		800
High Altitude Airship		3,200
Geospatial Airship Research Platform		2,800
Army Responsive Tactical Space (ARTS)		2,400
High Altitude Integration Testbed (HIT)		3,000
High Altitude Shuttle System for Battlespace Coverage		800
Low Cost Interceptor		2,400
Missile Attack Early Warning System (MAEWS)		2,000
Multipurpose Nanosat Missile System (MNMS) formerly Integrated		
Nanosat Delivery System (INDS)		6,000
Nanocomposite Enhanced Radar and Aerospace Materials		1,200
Positron Sensors and Energy Applications		3,000
Small Agile Satellites		400
<b>57 AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING</b>	<b>116,410</b>	<b>119,210</b>
Air, Space and Missile Defense Architecture Analysis Program (A3P)		1,200
Border Security and Defense Systems Research		1,600
<b>59 LANDMINE WARFARE AND BARRIER - ADV DEV</b>	<b>29,234</b>	<b>14,234</b>
AMDS program delays		-15,000
<b>61 TANK AND MEDIUM CALIBER AMMUNITION</b>	<b>45,866</b>	<b>40,866</b>
Follow-on Cartridge Integration Test forward funding		-5,000
<b>62 ADVANCED TANK ARMAMENT SYSTEM (ATAS)</b>	<b>108,012</b>	<b>79,612</b>
Stryker Common Active Protection System (APS) Radar		1,600
S-PIP change to acquisition strategy		-30,000
<b>63 SOLDIER SUPPORT AND SURVIVABILITY</b>	<b>30,716</b>	<b>25,716</b>
REF - forward funding		-5,000
<b>66 ENVIRONMENTAL QUALITY TECHNOLOGY</b>	<b>5,355</b>	<b>15,355</b>
Battlefield Asset Recovery Decontamination System (BARDS)		1,600
Plasma Energy Pyrolysis System (PEPS) Clean Fuels		800
Program Increase		4,000
Battlefield Plastic Biodiesel		1,600
Renewable Energy Testing Center		1,600
Demonstration/Evaluation Project at Travis Air Force Base (Note: To develop a greenhouse gas inventory and footprint utilizing a web-based Environmental Management Information System (EMIS))		400
<b>67 WARFIGHTER INFORMATION NETWORK-TACTICAL</b>	<b>414,357</b>	<b>394,357</b>
Authorization adjustment		-20,000

R-1		Budget Request	Recommendation
69	<b>AVIATION - ADVANCED DEVELOPMENT</b>	<b>7,455</b>	<b>9,855</b>
	New High Temperature Domestic Sourced PES		
	Foam Fabrication/Certification for DOD Aerospace Applications		2,400
72	<b>MEDICAL SYSTEMS - ADVANCED DEVELOPMENT</b>	<b>26,308</b>	<b>30,308</b>
	Leishmania Skin Test		800
	Garment-Based Physiological Monitoring Systems		1,600
	Wireless Medical Monitoring System (WMed)		1,600
73	<b>SOLDIER SYSTEMS - ADVANCED DEVELOPMENT</b>	<b>36,558</b>	<b>41,758</b>
	Unjustified Program Growth		-3,000
	Acid Alkaline Direct Methanol Fuel Cell Technology		2,800
	Individual Airburst Weapon System		1,000
	High Explosive Air Burst (HEAB) 25mm Ammunition		4,400
78	<b>ELECTRONIC WARFARE DEVELOPMENT</b>	<b>32,325</b>	<b>36,325</b>
	Hostile Fire Indicator		4,000
82	<b>INFANTRY SUPPORT WEAPONS</b>	<b>42,414</b>	<b>58,254</b>
	Headborne Energy Analysis and Diagnostic System (HEADS)		1,600
	Next Generation High Performance Ballistic Materials and Technologies Providing 7.62mm Small Arms Protection for US Armed Forces Helmets		1,440
	Composite Bottles for Survival Egress Air		2,000
	Lightweight Caliber .50 Machine Gun (LW50MG)		8,000
	Next-generation Combat Helmet Development		2,800
85	<b>FAMILY OF HEAVY TACTICAL VEHICLES</b>	<b>2,901</b>	<b>4,501</b>
	VIPER Mobile Power Development Project		800
	Enhanced Ku-Band/L-Band Antenna System		800
89	<b>NON-LIGHT OF SIGHT LAUNCH SYSTEM (NLOS-LS)</b>	<b>200,099</b>	<b>208,699</b>
	FCS Restructure: NLOS-LS National Security Agency Requirements		8,600
	<b>FCS MANNED GROUND VEHICLES &amp; COMMON GROUND</b>		
91	<b>VEHICLE</b>	<b>774,257</b>	<b>785,257</b>
	FCS Restructure: Manned Ground Vehicle Work Delayed From Fiscal Year 2008		11,000
92	<b>FCS SYSTEMS OF SYSTEMS ENGR &amp; PROGRAM MGMT</b>	<b>1,413,945</b>	<b>1,419,445</b>
	FCS Restructure: Work for Preliminary Design Review Delayed From Fiscal Year 2008		5,500
93	<b>FCS RECONNAISSANCE (UAV) PLATFORMS</b>	<b>34,379</b>	<b>57,379</b>
	Authorization Adjustment - Increased Level of Effort		12,000
	FCS Restructure: UAV Work Delayed From Fiscal Year 2008		11,000
94	<b>FCS UNMANNED GROUND VEHICLES</b>	<b>96,918</b>	<b>103,318</b>
	Authorization Adjustment - Increased Level of Effort		6,400
95	<b>FCS UNATTENDED GROUND SENSORS</b>	<b>12,967</b>	<b>17,067</b>
	FCS Restructure: Work Delayed From Fiscal Year 2008		4,100

<b>R-1</b>	<b>Budget Request</b>	<b>Recommendation</b>
<b>96 FCS SUSTAINMENT &amp; TRAINING R&amp;D</b>	<b>539,145</b>	<b>558,145</b>
FCS Restructure: Network National Security Agency Work Delayed From Fiscal Year 2008		19,000
<b>97 MODULAR BRIGADE ENHANCEMENT</b>	<b>64,900</b>	<b>111,400</b>
Authorization Adjustment - Increased Level of Effort		8,000
FCS Restructure: Testing Delayed from Fiscal Year 2008		21,500
FCS Restructure: Evaluation Task Force Support		12,000
FCS Restructure: TRADOC Support of Infantry Brigade Combat Team Studies		5,000
<b>98 NIGHT VISION SYSTEMS - SDD</b>	<b>44,508</b>	<b>51,708</b>
Common Remote Stabilized Sensor System (CRS3)		2,800
Soldier Worn Gunshot Detection System		2,400
Automatic Aim-Point Targeting Technology with Enhanced Imaging		2,000
<b>100 NON-SYSTEM TRAINING DEVICES - SDD</b>	<b>35,424</b>	<b>38,424</b>
Center of Excellence for Military Operations in Urban Terrain and Cultural Training		3,000
<b>103 AUTOMATIC TEST EQUIPMENT DEVELOPMENT</b>	<b>23,582</b>	<b>18,582</b>
NGATS excessive growth		-5,000
<b>104 DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)</b>	<b>16,095</b>	<b>17,775</b>
Joint Training Integration and Evaluation Center (JTIEC)		1,680
<b>105 COMBINED ARMS TACTICAL TRAINER (CATT) CORE</b>	<b>29,468</b>	<b>30,668</b>
Light Utility Helicopter Simulator		1,200
<b>107 WEAPONS AND MUNITIONS - SDD</b>	<b>52,140</b>	<b>58,140</b>
HYBRID Propellant for Medium and Large Caliber Ammunition		3,200
Lightweight Multi-Functional Material Technology for Combat Munitions Logistics		800
Extended Range Modular Sniper Rifle System		2,000
<b>108 LOGISTICS AND ENGINEER EQUIPMENT - SDD</b>	<b>37,718</b>	<b>38,518</b>
CAMEL - Water transport system		800
<b>MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE</b>		
<b>110 EQUIPMENT</b>	<b>34,971</b>	<b>45,371</b>
Rotary Valve Pressure Swing Absorption Oxygen Generator		800
Plasma Sterilizer		3,200
Lightweight Trauma Module		2,400
Pharmaceutical Advanced Packaging		1,600
LSTAT Advanced Medical Technologies		2,400
<b>111 LANDMINE WARFARE/BARRIER - SDD</b>	<b>126,475</b>	<b>117,075</b>
Authorization Adjustment - Funding Ahead of Need		-12,200
Magneto Inductive Remote Activation Munition System (MI-RAMS) Frequency and Digital Enhancements		2,800

R-1	Budget Request	Recommendation
<b>113 ARTILLERY MUNITIONS</b>	<b>78,197</b>	<b>79,397</b>
Advanced Cargo Projectile Technology		1,200
<b>ARMY TACTICAL COMMAND &amp; CONTROL HARDWARE AND SOFTWARE</b>		
<b>115 SOFTWARE</b>	<b>67,535</b>	<b>65,535</b>
Common Software growth		-2,000
<b>117 GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS)</b>	<b>60,308</b>	<b>50,308</b>
Unjustified growth		-10,000
<b>119 SOLDIER SYSTEMS - WARRIOR DEM/VAL</b>	<b>15,790</b>	<b>17,790</b>
Optimized M-25 Soldier Fuel Cell System		2,000
<b>120 ARTILLERY SYSTEMS</b>	<b>42,300</b>	<b>33,300</b>
Unjustified Program Growth		-9,000
<b>123 INFORMATION TECHNOLOGY DEVELOPMENT</b>	<b>73,740</b>	<b>68,040</b>
Health Informatics Initiative		2,500
FBS unjustified growth		-10,000
Electric Commodity Project		800
Health Information Technology Demonstration Project at Madigan Army Medical Center and Puget Sound VA Medical Center		1,000
<b>126 THREAT SIMULATOR DEVELOPMENT</b>	<b>21,416</b>	<b>25,176</b>
Electronic Combat and Counter Terrorism Threat Developments to Support Joint Forces		3,760
<b>130 RAND ARROYO CENTER</b>	<b>16,339</b>	<b>20,339</b>
Rand Arroyo Center Program Adjustment		4,000
<b>132 CONCEPTS EXPERIMENTATION PROGRAM</b>	<b>28,271</b>	<b>34,031</b>
Gunfire Detection Systems for Unmanned Aerial Vehicles		800
Arabic Language Training Program		960
Automated Communications Support System for Warfighters, Intelligence Community, Linguists, and Analysts		1,600
Moving Vehicle BAT Face Recognition Surveillance System		1,200
Technology for Rapid Foreign Language Acquisitions for Specialized Military and Intelligence Purposes		1,200
<b>134 ARMY TEST RANGES AND FACILITIES</b>	<b>342,079</b>	<b>347,579</b>
Cold Regions Test Center Distributed Test Coordination Cell		1,500
Test Support Infrastructure Darning and Trafficability Study		4,000
<b>135 ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS</b>	<b>74,624</b>	<b>80,974</b>
Mobile Optical Tracking System (MOTS) All Sky Imager (MASI)		1,200
Dugway Lidar and Modeling Improvements		2,400
Enhanced Robotic Manipulators for Defense Applications		750
Joint Urban Environment Test Capability		2,000
<b>137 DOD HIGH ENERGY LASER TEST FACILITY</b>	<b>2,835</b>	<b>6,835</b>
DOD High Energy Laser Test Facility		4,000

R-1	Budget Request	Recommendation
142 SUPPORT OF OPERATIONAL TESTING	72,942	74,942
MATTRACKS		2,000
146 TECHNICAL INFORMATION ACTIVITIES	42,905	44,505
Knowledge, Innovation and Technology Sharing Program		1,600
<b>MUNITIONS STANDARDIZATION, EFFECTIVENESS AND</b>		
147 SAFETY	20,857	48,057
Joint Munitions and Lethality Mission Integration		1,600
Joint Munitions and Lethality Warfighter Technology Insertion		2,400
Advanced Cluster Energetics		3,200
Medium Caliber Metal Parts Upgrade		2,600
Domestically Produced Atomized Magnesium for Defense		800
Virtual Opportunity and Information Center		1,000
Hybrid Protective Armor Systems		4,000
Domestic Production of Nanodiamond for Military Operations		1,600
Defense Materials Technology Center		3,000
Depleted Uranium Sensing and Treatment for Removal (DUSTR) Program		4,000
Titanium Extraction, Mining and Process Engineering Research (TEMPER)		3,000
154 ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM	15,860	16,660
Fire Support Technology Improvement Program		800
155 COMBAT VEHICLE IMPROVEMENT PROGRAMS	141,114	143,514
Ground Combat Systems Electronic Enhancements		2,400
<b>AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT</b>		
157 PROGRAMS	452,787	460,937
Operator Situational Awareness System - MEDEVAC		1,750
CH-47 Chinook Helicopter Accessory Gear Box (AGB) Improvement		800
OH-58D Kiowa Warrior Vehicle Health and Usage Management System (VHUMS) Demonstration		2,400
CH-47 Integrated Vehicle Health Management System (IVHMS)		3,200
160 FORCE XXI BATTLE COMMAND, BRIGADE AND BELOW (FBCB2)	38,418	23,418
JBC-P lack of acquisition strategy		-15,000
163 OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS	1,527	5,227
Close Combat Missile Modernization (Javelin)		3,700
169 SECURITY AND INTELLIGENCE ACTIVITIES	0	3,200
Mobile Object Search Toolkit for Intelligence Analysts		3,200
170 INFORMATION SYSTEMS SECURITY PROGRAM	38,090	41,290
Information Assurance Development		1,600
Biometrics DNA Applications		1,600
172 SATCOM GROUND ENVIRONMENT (SPACE)	106,327	59,089
Excess to Requirement		-47,228

<b>R-1</b>	<b>Budget Request</b>	<b>Recommendation</b>
<b>175 TACTICAL UNMANNED AERIAL VEHICLES</b>	<b>50,976</b>	<b>104,276</b>
Sky Warrior - Army Requested Transfer from OP.A line 61		49,300
Shadow Tactical Unmanned Aerial System Flight in the National Airspace		4,000
<b>177 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS</b>	<b>0</b>	<b>3,600</b>
Effect Based Approach to Operations		1,600
Heuristic Internet Protocol Packet Inspection Engine (HIPPIE)		2,000
<b>179 END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES</b>	<b>69,084</b>	<b>91,084</b>
Solid State Processing of Titanium Alloys for Defense Materiel Armaments		1,440
Spring Suspended Airless Tires for Convoy Protection		2,800
Smart Machine Platform Initiative		4,000
Network Centric Prototype Manufacturing		4,000
Vehicle Common Armor Manufacturing Process (VCAMP)		2,000
Advanced Modeling Technology for Large Structure Titanium Machining Initiative		800
Legacy Aerospace Gear Drive Re-Engineering Initiative		2,000
Manufacturing Metrology for Weapon System Production and Sustainment (M2VSPS)		1,760
Near-Net Shaped Direct-Sintered Silicon Carbide Torso Plates		1,600
Superior Weapons Systems Through Castings		1,600
<b>999 CLASSIFIED PROGRAMS</b>	<b>105,047</b>	<b>112,647</b>
Asymmetric Threat Response and Analysis Program (ATRAP)		2,400
Silver Fox and Manta UAS		2,000
Constant Look Operational Support Environment (CLOSE)		1,600
BLOS Network for MASINT Sensors		800
Blast Damage Assessment Risk Analysis and Mitigation Application - Enhancements (BRAMA-E)		800



## AERIAL CANOPY SENSOR DELIVERY SYSTEM

The Department of Defense Appropriations Act, 2008, provided in Research, Development, Test and Evaluation, Defense-Wide, \$1,000,000 in Line 27, SO/LIC Advanced Development, for Aerial Canopy Sensor Delivery System. U.S. Special Operations Command and the Army now concur that the proper account for funding this program is Research, Development, Test and Evaluation, Army, Line 45, Electronic Warfare Technology. The Secretary of Defense is directed to initiate a reprogramming action to provide the funds to the Army for proper execution.

## WARFIGHTER INFORMATION NETWORK—TACTICAL (WIN-T)

The budget request for fiscal year 2009 contains \$414,357,000 for Warfighter Information Network—Tactical (WIN-T) research and development. Within that amount, \$330,438,000 is to continue research and development efforts for WIN-T Increment 3, full networking on the move. There is concern with the lack of definitized requirements and program costs for Increment 3. Additionally, the revised program acquisition baseline is not expected to be completed until almost two years after the Nunn-McCurdy breach, creating an uncertain basis for the budget request. Therefore, the amount proposed in the budget request has been reduced by \$20,000,000. Additionally, the Comptroller General is directed to continue his review of the WIN-T program under the guidelines set forth in Senate Report 110-155.

## TUNGSTEN/COBALT ALLOY CARCINOGEN STUDY

There is concern with the potential carcinogenic nature of tungsten/cobalt alloys and the Army is encouraged, in conjunction with the research community, to undertake a study to determine if tungsten/cobalt alloys are a probable human carcinogen in either the manufacturing or employment of ammunition and other defense equipment.

## ROCK ISLAND ARSENAL

The Rock Island Arsenal is undertaking efforts to demonstrate small scale, clean energy conversion technology to provide an uninterruptible source of energy for potential use at Department of Defense facilities. The Army is encouraged to determine what environmental, economic, and safety benefits might be achieved by this energy initiative.

## NEUROTOXIN EXPOSURE TREATMENT PARKINSON'S RESEARCH PROGRAM

The United States Army Medical Research and Materiel Command (USAMRMC) is advancing research in investigating the underlying biologic mechanisms and therapeutic interventions of neuro-degenerative effects caused by deployment, environmental and occupational exposures. Therefore, \$25,000,000 is recommended for the continuation of this vital research and other neurological disorders through collaborative work between the mili-

tary, a non-profit organization and an academic laboratory with distinguished scientific credentials in this field.

**RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY**

For Research, Development, Test and Evaluation, Navy, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST	
RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY				
BASIC RESEARCH				
1	UNIVERSITY RESEARCH INITIATIVES.....	103,707	108,907	+5,200
2	IN-HOUSE LABORATORY INDEPENDENT RESEARCH.....	17,298	17,298	---
3	DEFENSE RESEARCH SCIENCES.....	407,271	421,171	+13,900
	TOTAL, BASIC RESEARCH.....	528,276	547,376	+19,100
APPLIED RESEARCH				
4	POWER PROJECTION APPLIED RESEARCH.....	79,913	99,113	+19,200
5	FORCE PROTECTION APPLIED RESEARCH.....	131,310	187,410	+56,100
6	MARINE CORPS LANDING FORCE TECHNOLOGY.....	36,480	42,980	+6,500
7	MATERIALS, ELECTRONICS AND COMPUTER TECHNOLOGY.....	---	7,300	+7,300
8	COMMON PICTURE APPLIED RESEARCH.....	77,054	85,554	+8,500
9	WARFIGHTER SUSTAINMENT APPLIED RESEARCH.....	93,862	116,102	+22,240
10	RF SYSTEMS APPLIED RESEARCH.....	54,830	59,870	+5,040
11	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH.....	47,278	51,678	+4,400
12	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH.....	6,084	6,084	---
13	UNDERSEA WARFARE APPLIED RESEARCH.....	58,658	65,458	+6,800
14	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH.....	47,869	54,869	+7,000
	TOTAL, APPLIED RESEARCH.....	633,338	776,418	+143,080
ADVANCED TECHNOLOGY DEVELOPMENT				
15	POWER PROJECTION ADVANCED TECHNOLOGY.....	60,360	82,160	+21,800
16	FORCE PROTECTION ADVANCED TECHNOLOGY.....	55,099	113,859	+58,760
17	COMMON PICTURE ADVANCED TECHNOLOGY.....	104,578	90,378	-14,200
18	WARFIGHTER SUSTAINMENT ADVANCED TECHNOLOGY.....	112,520	137,880	+25,360
19	RF SYSTEMS ADVANCED TECHNOLOGY.....	37,058	56,058	+19,000
20	MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION (ATD)...	100,787	103,667	+2,880
21	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT.....	11,020	13,020	+2,000
22	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY.....	12,129	53,929	+41,800
23	UNDERSEA WARFARE ADVANCED TECHNOLOGY.....	81,490	83,890	+2,400
24	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS.....	70,216	66,416	-3,800
25	MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY....	33,426	34,626	+1,200
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	678,683	835,883	+157,200

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
26 DEMONSTRATION & VALIDATION AIR/OCEAN TACTICAL APPLICATIONS.....	66,133	67,733	+1,600
27 AVIATION SURVIVABILITY.....	5,917	13,717	+7,800
28 DEPLOYABLE JOINT COMMAND AND CONTROL.....	5,905	7,105	+1,200
29 ASW SYSTEMS DEVELOPMENT.....	28,799	37,199	+8,400
30 TACTICAL AIRBORNE RECONNAISSANCE.....	4,298	4,298	---
31 ADVANCED COMBAT SYSTEMS TECHNOLOGY.....	4,367	7,167	+2,800
32 SURFACE AND SHALLOW WATER MINE COUNTERMEASURES.....	119,164	123,429	+4,265
33 SURFACE SHIP TORPEDO DEFENSE.....	49,171	51,731	+2,560
34 CARRIER SYSTEMS DEVELOPMENT.....	120,511	148,111	+27,600
35 SHIPBOARD SYSTEM COMPONENT DEVELOPMENT.....	4,003	26,903	+22,900
36 PILOT FISH.....	86,017	86,017	---
37 RETRACT LARCH.....	93,078	93,078	---
38 RETRACT JUNIPER.....	159,175	159,175	---
39 RADIOLOGICAL CONTROL.....	1,094	1,094	---
40 SURFACE ASW.....	29,574	48,374	+18,800
42 ADVANCED SUBMARINE SYSTEM DEVELOPMENT.....	141,720	151,400	+9,680
43 SUBMARINE TACTICAL WARFARE SYSTEMS.....	10,212	13,812	+3,600
44 SHIP CONCEPT ADVANCED DESIGN.....	31,111	38,311	+7,200
45 SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES.....	14,627	24,867	+10,240
46 ADVANCED NUCLEAR POWER SYSTEMS.....	158,270	158,270	---
47 ADVANCED SURFACE MACHINERY SYSTEMS.....	---	2,000	+2,000
48 CHALK EAGLE.....	352,858	352,858	---
49 LITTORAL COMBAT SHIP (LCS).....	371,008	369,308	-1,700
50 COMBAT SYSTEM INTEGRATION.....	54,401	64,401	+10,000
51 CONVENTIONAL MUNITIONS.....	8,124	8,124	---
52 MARINE CORPS ASSAULT VEHICLES.....	316,052	256,052	-60,000
54 MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM.....	59,049	65,449	+6,400
55 JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT.....	115,086	115,086	---
56 COOPERATIVE ENGAGEMENT.....	38,316	43,116	+4,800
57 OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT.....	7,737	7,737	---
58 ENVIRONMENTAL PROTECTION.....	19,632	20,832	+1,200
59 NAVY ENERGY PROGRAM.....	5,611	10,311	+4,700
60 FACILITIES IMPROVEMENT.....	4,086	18,886	+14,800
61 CHALK CORAL.....	117,543	117,543	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
62 NAVY LOGISTIC PRODUCTIVITY.....	2,846	17,846	+15,000
63 RETRACT MAPLE.....	138,091	138,091	---
64 LINK PLUMERIA.....	60,444	60,444	---
65 RETRACT ELM.....	139,139	139,139	---
66 SHIP SELF DEFENSE.....	11,001	11,001	---
67 LINK EVERGREEN.....	75,995	75,995	---
68 SPECIAL PROCESSES.....	60,678	60,678	---
69 NATO RESEARCH AND DEVELOPMENT.....	10,129	10,129	---
70 LAND ATTACK TECHNOLOGY.....	40,028	18,042	-21,986
71 NONLETHAL WEAPONS.....	46,902	49,302	+2,400
72 JOINT PRECISION APPROACH AND LANDING SYSTEMS.....	99,929	77,429	-22,500
73 SINGLE INTEGRATED AIR PICTURE (SIAP) SYSTEM ENGINEER..	41,807	41,807	---
75 DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS.....	---	4,560	+4,560
76 TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES ....	63,244	66,844	+3,600
79 SPACE & ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINE..	47,518	48,318	+800
TOTAL, DEMONSTRATION & VALIDATION.....	3,440,400	3,533,119	+92,719
ENGINEERING & MANUFACTURING DEVELOPMENT			
80 OTHER HELO DEVELOPMENT.....	58,210	58,210	---
81 AV-8B AIRCRAFT - ENG DEV.....	29,924	29,924	---
82 STANDARDS DEVELOPMENT.....	71,920	67,020	-4,900
83 MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT.....	70,329	70,329	---
84 AIR/OCEAN EQUIPMENT ENGINEERING.....	5,750	5,750	---
85 P-3 MODERNIZATION PROGRAM.....	3,589	3,589	---
86 WARFARE SUPPORT SYSTEM.....	8,611	12,611	+4,000
87 TACTICAL COMMAND SYSTEM.....	128,742	102,742	-26,000
88 ADVANCED HAWKEYE.....	484,159	484,159	---
89 H-1 UPGRADES.....	3,795	3,795	---
90 ACOUSTIC SEARCH SENSORS.....	45,790	39,790	-6,000
91 V-22A.....	68,763	68,763	---
92 AIR CREW SYSTEMS DEVELOPMENT.....	16,192	16,192	---
93 EA-18.....	128,906	130,106	+1,200
94 ELECTRONIC WARFARE DEVELOPMENT.....	106,932	90,932	-16,000
95 VHXX EXECUTIVE HELO DEVELOPMENT.....	1,047,835	835,000	-212,835
96 JOINT TACTICAL RADIO SYSTEM - NAVY (JTRS-NAVY).....	834,650	848,150	+13,500

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
97 SC-21 TOTAL SHIP SYSTEM ENGINEERING.....	678,936	598,036	-80,900
98 SURFACE COMBATANT COMBAT SYSTEM ENGINEERING.....	188,500	200,900	+12,400
99 LPD-17 CLASS SYSTEMS INTEGRATION.....	985	985	---
100 SMALL DIAMETER BOMB (SDB).....	19,574	19,574	---
101 STANDARD MISSILE IMPROVEMENTS.....	234,653	237,653	+3,000
102 AIRBORNE MCM.....	39,882	41,882	+2,000
103 NAVAL INTEGRATED FIRE CONTROL-COUNTER AIR SYSTEMS ENG.	10,533	13,333	+2,800
104 ADVANCED ABOVE WATER SENSORS.....	153,558	139,158	-14,400
105 SSN-688 AND TRIDENT MODERNIZATION.....	143,453	143,453	---
106 AIR CONTROL.....	8,191	8,191	---
107 SHIPBOARD AVIATION SYSTEMS.....	42,843	45,643	+2,800
108 COMBAT INFORMATION CENTER CONVERSION.....	14,792	17,792	+3,000
109 NEW DESIGN SSN.....	167,357	190,357	+23,000
111 SUBMARINE TACTICAL WARFARE SYSTEM.....	58,592	66,592	+8,000
112 SHIP CONTRACT DESIGN/ LIVE FIRE T&E.....	72,932	81,132	+8,200
113 MINE DEVELOPMENT.....	2,008	2,008	---
115 LIGHTWEIGHT TORPEDO DEVELOPMENT.....	50,732	52,332	+1,600
116 JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT.....	10,858	10,858	---
117 PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS....	5,263	5,263	---
118 JOINT STANDOFF WEAPON SYSTEMS.....	22,510	22,510	---
119 SHIP SELF DEFENSE (DETECT & CONTROL).....	35,999	44,999	+9,000
120 SHIP SELF DEFENSE (ENGAGE: HARD KILL).....	36,238	46,938	+10,700
121 SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW).....	57,574	63,974	+6,400
122 INTELLIGENCE ENGINEERING.....	13,750	13,750	---
123 MEDICAL DEVELOPMENT.....	7,833	39,833	+32,000
124 NAVIGATION/ID SYSTEM.....	49,007	49,007	---
125 DISTRIBUTED SURVEILLANCE SYSTEM.....	---	2,000	+2,000
126 JOINT STRIKE FIGHTER (JSF).....	1,532,748	1,749,348	+216,600
127 INFORMATION TECHNOLOGY DEVELOPMENT.....	30,238	30,238	---
128 INFORMATION TECHNOLOGY DEVELOPMENT.....	72,497	91,897	+19,400

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
130 CH-53K.....	570,484	570,484	---
131 C/KC-130 AVIONICS MODERNIZATION PROGRAM (AMP).....	24,407	24,407	---
132 JOINT AIR-TO-GROUND MISSILE (JAGM).....	62,324	62,324	---
133 MULTI-MISSION MARITIME AIRCRAFT (MMA).....	1,132,026	1,132,026	---
134 TACTICAL CRYPTOLOGIC SYSTEMS.....	16,678	18,278	+1,600
TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	8,682,052	8,704,217	+22,165
RDT&E MANAGEMENT SUPPORT			
135 THREAT SIMULATOR DEVELOPMENT.....	24,959	24,959	---
136 TARGET SYSTEMS DEVELOPMENT.....	80,337	80,337	---
137 MAJOR T&E INVESTMENT.....	42,391	52,191	+9,800
138 STUDIES AND ANALYSIS SUPPORT - NAVY.....	8,084	8,084	---
139 CENTER FOR NAVAL ANALYSES.....	49,745	49,745	---
141 SMALL BUSINESS INNOVATIVE RESEARCH.....	---	400	+400
142 TECHNICAL INFORMATION SERVICES.....	713	15,613	+14,900
143 MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT.....	51,568	51,568	---
144 STRATEGIC TECHNICAL SUPPORT.....	3,597	3,597	---
145 RDT&E SCIENCE AND TECHNOLOGY MANAGEMENT.....	69,913	69,913	---
147 RDT&E SHIP AND AIRCRAFT SUPPORT.....	195,017	195,017	---
148 TEST AND EVALUATION SUPPORT.....	356,254	346,254	-10,000
149 OPERATIONAL TEST AND EVALUATION CAPABILITY.....	12,195	12,195	---
150 NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT.....	2,708	2,708	---
151 SEW SURVEILLANCE/RECONNAISSANCE SUPPORT.....	25,358	25,358	---
152 MARINE CORPS PROGRAM WIDE SUPPORT.....	24,687	30,287	+5,600
153 TACTICAL CRYPTOLOGIC ACTIVITIES.....	1,998	1,998	---
154 SERVICE SUPPORT TO JFCOM, JNTC.....	5,148	5,148	---
TOTAL, RDT&E MANAGEMENT SUPPORT.....	954,672	975,372	+20,700
OPERATIONAL SYSTEMS DEVELOPMENT			
157 HARPOON MODIFICATIONS.....	68,214	68,214	---
158 UNMANNED COMBAT AIR VEHICLE (UCAV) ADVANCED COMPONENT.....	275,823	275,823	---
159 STRATEGIC SUB & WEAPONS SYSTEM SUPPORT.....	80,120	78,774	-1,346
160 SSBN SECURITY TECHNOLOGY PROGRAM.....	34,131	34,131	---
161 SUBMARINE ACOUSTIC WARFARE DEVELOPMENT.....	7,384	7,384	---
162 NAVY STRATEGIC COMMUNICATIONS.....	47,495	43,495	-4,000
163 RAPID TECHNOLOGY TRANSITION (RTT).....	34,469	34,469	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
164 F/A-18 SQUADRONS.....	71,232	73,632	+2,400
165 E-2 SQUADRONS.....	54,096	54,096	---
166 FLEET TELECOMMUNICATIONS (TACTICAL).....	26,696	26,696	---
167 TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TPMC) ..	14,212	18,212	+4,000
168 INTEGRATED SURVEILLANCE SYSTEM.....	20,565	28,765	+8,200
169 AMPHIBIOUS TACTICAL SUPPORT UNITS.....	2,325	2,325	---
170 CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT.....	28,017	27,657	-360
171 CRYPTOLOGIC DIRECT SUPPORT.....	1,441	1,441	---
172 ELECTRONIC WARFARE (EW) READINESS SUPPORT.....	24,276	24,276	---
173 HARM IMPROVEMENT.....	31,427	33,927	+2,500
174 TACTICAL DATA LINKS.....	4,247	4,247	---
175 SURFACE ASW COMBAT SYSTEM INTEGRATION.....	21,720	22,520	+800
176 MK-48 ADCAP.....	15,879	26,279	+10,400
177 AVIATION IMPROVEMENTS.....	122,906	100,266	-22,640
178 NAVY SCIENCE ASSISTANCE PROGRAM.....	3,625	3,625	---
179 OPERATIONAL NUCLEAR POWER SYSTEMS.....	71,576	71,576	---
180 MARINE CORPS COMMUNICATIONS SYSTEMS.....	273,696	281,416	+7,720
181 MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS....	136,080	119,380	-16,700
182 MARINE CORPS COMBAT SERVICES SUPPORT.....	9,646	9,646	---
183 TACTICAL AIM MISSILES.....	6,679	6,679	---
184 ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM).....	8,556	8,556	---
185 JOINT HIGH SPEED VESSEL (JHSV).....	11,960	11,960	---
188 TECHNICAL RECONNAISSANCE AND SURVEILLANCE.....	---	2,000	+2,000
190 SATELLITE COMMUNICATIONS (SPACE).....	652,463	653,263	+800
191 INFORMATION SYSTEMS SECURITY PROGRAM.....	27,037	33,737	+6,700
192 JOINT COMMAND AND CONTROL PROGRAM (JC2).....	2,000	2,000	---
193 JOINT COMMAND AND CONTROL PROGRAM (JC2).....	4,148	4,148	---
194 COBRA JUDY.....	101,114	101,114	---
195 NAVY METEOROLOGICAL AND OCEAN SENSORS-SPACE (METOC) ...	8,208	8,208	---
196 JOINT MILITARY INTELLIGENCE PROGRAMS.....	4,614	4,614	---
197 TACTICAL UNMANNED AERIAL VEHICLES.....	45,717	51,817	+6,100
198 ENDURANCE UNMANNED AERIAL VEHICLES.....	480,098	433,698	-46,400
199 AIRBORNE RECONNAISSANCE SYSTEMS.....	55,719	66,519	+10,800
200 MANNED RECONNAISSANCE SYSTEMS.....	13,982	19,882	+5,900
201 DISTRIBUTED COMMON GROUND SYSTEMS.....	44,540	44,540	---



(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
202 AERIAL COMMON SENSOR (ACS) .....	74,604	74,604	---
203 MODELING AND SIMULATION SUPPORT.....	8,007	8,007	---
204 DEPOT MAINTENANCE (NON-IF).....	21,130	11,130	-10,000
205 AVIONICS COMPONENT IMPROVEMENT PROGRAM.....	1,877	1,877	---
206 INDUSTRIAL PREPAREDNESS.....	56,681	61,881	+5,200
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	3,110,432	3,082,506	-27,926
999 CLASSIFIED PROGRAMS.....	1,309,385	1,309,385	---
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY.....	19,337,238	19,764,276	+427,038

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
(In thousands of dollars)

<b>R-1</b>	<b>Budget Request</b>	<b>Recommendation</b>
<b>1 UNIVERSITY RESEARCH INITIATIVES</b>	<b>103,707</b>	<b>108,907</b>
Program Growth		-3,000
Computational Modeling and High Performance Computing in Advanced Material Processing, Synthesis and Design		1,200
National Security Training		1,600
Human Neural Cell-Based Biosensor		1,000
Low Acoustic and Thermal Signature Battlefield Power Source		2,000
Next Generation Automated Technology for Landmine Detection		1,600
Radiation Hardness and Survivability of Electronic Systems		800
<b>3 DEFENSE RESEARCH SCIENCES</b>	<b>407,271</b>	<b>421,171</b>
Program Growth		-5,000
Biochemical Agent Detection		800
Energetics S&T Workforce Development		4,500
ONAMI Nanoelectronics and Nanometrology Initiative		4,000
Research Support for Nanoscale Research Facility		2,800
Center for Quantum Studies		1,200
Evaluating ELF Signals in Maritime Environments		1,600
Navy Science and Technology Outreach (N-STAR) - Maryland		1,000
Texas Microfactory		3,000
<b>4 POWER PROJECTION APPLIED RESEARCH</b>	<b>79,913</b>	<b>99,113</b>
Aging Military Aircraft Fleet Support		1,600
Electronic Motion Actuation Systems		800
High Energy Conventional Energetics (Phase II)		3,200
High Power Free Electron Laser Development for Naval Applications		2,400
Marine Mammal Hearing and Echolocation Research		1,600
Millimeter Wave Imaging		1,600
Strike Weapon Propulsion (SWEAP)		2,400
Unmanned Aerial Vehicle Fuel Cell Power Source with Hybrid Reforming		1,600
Combustion Light Gas Gun Projectile		4,000
<b>5 FORCE PROTECTION APPLIED RESEARCH</b>	<b>131,310</b>	<b>187,410</b>
High Strength Welded Structures		800
Integration of Electro-Kinetic Weapons into Next Generation of Navy Ships		4,500
Lithium Batteries		1,600
Lithium/Sulfur Chemistry Validation for Sonobuoy Application		1,600
Naval Special Warfare 11m RIB Replacement Craft Design		800
Planar Solid Oxide Fuel Cell System Demonstration at UTC SimCenter		3,500
Standoff Explosive Detection System (SEDS)		1,200
Advanced Simulation Tools for Aircraft Structures Made of Composite Materials		1,200
Alternative Energy Research		20,000
DEPUTEE - High Powered Microwave Non-Lethal Vehicle/Vessel Engine Disabling		1,600
Harbor Shield - Homeland Defense Port Security Initiative		3,500
High Power Density Propulsion and Power for USSVs		1,600
High Speed ACRC & Composites Sea Lion Craft Development		2,000
Lithium-Ion Cell Development with Electro Nano Materials		4,000
Magnetic Refrigeration Technology		2,400
Mk V.1 MAKO for Improved Signature and Weight Performance		2,000

R-1		Budget Request	Recommendation
	PMRF Force Protection Lab		2,000
	Shipboard Production of Synthetic Aviation Fuel		1,000
	Solid Oxide Fuel Cell		800
<b>6</b>	<b>MARINE CORPS LANDING FORCE TECHNOLOGY</b>	<b>36,480</b>	<b>42,980</b>
	High Power, Ultra-Lightweight Zinc-Air Battery		2,500
	Warfighter Rapid Awareness Processing Technology		4,000
<b>7</b>	<b>MATERIALS, ELECTRONICS AND COMPUTER TECHNOLOGY</b>	<b>0</b>	<b>7,300</b>
	Novel Coating Technologies for Military Equipment		4,800
	Infrared Materials Laboratories		2,500
<b>8</b>	<b>COMMON PICTURE APPLIED RESEARCH</b>	<b>77,054</b>	<b>85,554</b>
	All Weather Sense and Avoid Sensors for UAVs		2,500
	Sensor Integration Framework		1,200
	Layered Surveillance/Sensing		1,600
	SOF Test Environment for Advanced Team Collaboration Missions		2,000
	Unmanned Ground Vehicle Mobility and Coordination in Joint Urban/Littoral Environments		1,200
<b>9</b>	<b>WARFIGHTER SUSTAINMENT APPLIED RESEARCH</b>	<b>93,862</b>	<b>116,102</b>
	Acoustic Research Detachment Test Support Platform Upgrade		1,500
	Intelligent Retrieval of Imagery		2,400
	Nanotechnology Engineering and Manufacturing Operations		1,600
	Pulse Virtual Clinical Learning Lab		2,400
	Advanced Composite Maritime Manufacturing		2,000
	Assistive Technologies for Injured Servicemembers		1,600
	Biosensors for Defense Applications		2,000
	Composite Materials Enhancements Through Polymer Science Research and Development		2,240
	Digital Directed Manufacturing Project		1,700
	Friction Stir Welding		800
	On-Board Vehicle Power Systems Development		2,400
	Optimization of New Marine Coatings		1,600
<b>10</b>	<b>RF SYSTEMS APPLIED RESEARCH</b>	<b>54,830</b>	<b>59,870</b>
	Energy Efficient Gallium Nitride Semiconductor Technology		1,040
	Gallium Nitride RF Power Technology		1,600
	Reparative Core Medicine		800
	National Initiatives for Applications of Multifunctional Materials		1,600
<b>11</b>	<b>OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH</b>	<b>47,278</b>	<b>51,678</b>
	Autonomous Marine Sensors and Networks for Rapid Littoral Assessment		1,600
	Extended Underwater Optical Imaging		2,000
	Littoral Battlespace Sensing-Autonomous UUV		800
<b>13</b>	<b>UNDERSEA WARFARE APPLIED RESEARCH</b>	<b>58,658</b>	<b>65,458</b>
	Autonomous Unmanned Undersea Vehicle (UUV) Delivery and Communication (AUDAC) Implementation		2,800
	Advanced High Energy Density Surveillance Power Module		2,400
	Galfenol Energy Harvesting		1,600

R-1	Budget Request	Recommendation
<b>14 MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH</b>	<b>47,869</b>	<b>54,869</b>
Detection and Neutralization of Electronically Initiated Improvised Explosive Devices		2,000
Electromagnetic Signature Assessment System Using Multiple AUVs		1,600
Virtual Onboard Analyst (VIRONA) for Multi Sensor Mine Detection		1,000
Water Security Program (Inland Water Quality and Desalination)		2,400
<b>15 POWER PROJECTION ADVANCED TECHNOLOGY</b>	<b>60,360</b>	<b>82,160</b>
High Speed Anti-radiation Demonstration (HSAD)		800
Quiet Drive Advanced Rotary Actuator		2,000
Real-Time Hyperspectral Targeting Sensor		2,400
Smart Instrument Development for the Magdalena Ridge Observatory (MRO)		7,000
Advanced Ship Self Defense Technology Testing		4,000
Countermine Lidar UAV-based System		1,200
Detection, Tracking, and Identification for ISRTE of Mobile and Asymmetric Targets		1,600
Long Wavelength Array		2,800
<b>16 FORCE PROTECTION ADVANCED TECHNOLOGY</b>	<b>55,099</b>	<b>113,859</b>
Accelerating Fuel Cells Manufacturability and their Application in the Armed Forces		2,400
Advanced Logistics Fuel Reformer for Fuel Cells		2,400
Agile Port and High Speed Ship Technology		6,000
Center for Applied Research in Intelligent Autonomous Systems		2,400
High Power Density Motor Drive		1,000
High Temperature Superconductor Trap Field Magnet Motor		2,000
Implementation of Formable Textile for Composite Shaped Aerospace Composite Structures		1,600
Integrated Advanced Ship Control (IASC)		1,200
Integrated Ship and Motion Control Technology		3,440
Mobile Manufacturing and Repair Cell/Engineering Education Outreach Program		2,400
Navy Multi-Fuel Combustor for Shipboard Fuel Cell Systems		1,600
Remote Continuous Energetic Material Manufacturing for Pyrotechnic IR Decoys		1,600
Self Healing Target System for Laser and Sniper Ranges		1,600
Solid-State DC Protection System		1,200
Stabilized Laser Designation Capability		2,000
Ultra-Wide Coverage Visible Near Infrared Sensor for Force Protection		1,200
Underground Coordination of Managed Mesh-networks (UCOMM)		2,400
Video and Water Mist Technologies for Incipient Fire Detection on Ships		3,200
Wide Area Sensor for Force Protection Targeting		1,600
Advanced Continuous Active Sonar for UUVs		2,500
Durability, Energy Saving and Sustainability of Oceanic Vehicles and Support Infrastructure Through Use of Nanotech Lubricants		800
Electrochemical Field Deployable System for Water Generation		2,800
Future Fuel Non-Tactical Vehicle Initiative		1,600
Improved Stealth and Lower Cost Operations for Ships Using High Strength Flame Resistant LCP Reinforced Netting		1,600
Laser Perimeter Awareness System		1,500
M65 Bismaleimide Carbon Fiber Prepreg		1,600
Single Generator Operations Lithium Ion Battery		4,000
Strategic/Tactical Resource Interoperability Kinetic Environment Program		1,120

R-1		Budget Request	Recommendation
17	<b>COMMON PICTURE ADVANCED TECHNOLOGY</b>	<b>104,578</b>	<b>90,378</b>
	Program Growth		-3,000
	High Integrity Global Positioning System		-11,200
18	<b>WARFIGHTER SUSTAINMENT ADVANCED TECHNOLOGY</b>	<b>112,520</b>	<b>137,880</b>
	Defense Modernization and Sustainment Initiative		5,000
	Desktop Virtual Trainer Follow-On		2,400
	Domain Specific Knowledge Capture Interface		1,360
	Environmentally Sealed, Ruggedized Avionics Displays		4,000
	Intelligent Work Management for Class Squadrons (CLASSRONS)		2,000
	System for Intelligent Task Assignment and Readiness (SITAR)		800
	Validation of Lift Fan Engine Systems		2,000
	Chaffing Protection System		1,200
	Predicting Bio-Agent Threat Profiles Using Automated Behavior Analysis		1,600
	Sea Base Mobility and Interfaces		5,000
19	<b>RF SYSTEMS ADVANCED TECHNOLOGY</b>	<b>37,058</b>	<b>56,058</b>
	C-Band Radar Replacement Development		4,000
	Pacific Airborne Surveillance and Testing		15,000
	<b>MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION</b>		
20	<b>(ATD)</b>	<b>100,787</b>	<b>103,667</b>
	Ballistic Helmet Development		1,200
	Craft Integrated Electronic Suite (CIES)		2,880
	Ground Warfare Acoustical Combat System of Netted Sensors		2,000
	Near Infrared Optical (NIRO) Augmentation System		800
	Marine Air-Ground Task Force Situational Awareness		1,000
	Reduction to Growth		-5,000
21	<b>JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT</b>	<b>11,020</b>	<b>13,020</b>
	Eye Safe Laser Warning Systems		2,000
22	<b>WARFIGHTER PROTECTION ADVANCED TECHNOLOGY</b>	<b>12,129</b>	<b>53,929</b>
	C.W. Bill Young Marrow Donor Recruitment and Research Program		31,500
	Amelioration of Hearing Loss		1,000
	High Speed Blood and Fluid Transfusion Equipment		3,100
	Integrated Warfighter Biodefense Program		3,000
	Repair of Massive Tissue Loss and Amputation through Composite Tissue Allograft Transplantation		3,200
23	<b>UNDERSEA WARFARE ADVANCED TECHNOLOGY</b>	<b>81,490</b>	<b>83,890</b>
	Theater Undersea Warfare Initiative		2,400
24	<b>NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS</b>	<b>70,216</b>	<b>66,416</b>
	Program Growth		
	Portable Launch and Recovery System for Unmanned Aerial Vehicle Operation		3,200
	Immersive Naval Officer Training Systems		3,000
	Reduction to Growth		-10,000
	<b>MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY</b>		
25		<b>33,426</b>	<b>34,626</b>
	Joint Explosive Ordnance Disposal Diver Situational Awareness System		1,200

R-1	Budget Request	Recommendation
<b>26 AIR/OCEAN TACTICAL APPLICATIONS</b>	<b>66,133</b>	<b>67,733</b>
Semi-Submersible UUV		1,600
<b>27 AVIATION SURVIVABILITY</b>	<b>5,917</b>	<b>13,717</b>
Agile Laser Eye Protection		800
In Buoy Processor for Trigger and Alert Sonobuoy System (TASS)		2,000
Air Sentinel		1,000
Modular Advanced Vision System		2,000
UAS Optimization Technologies		2,000
<b>28 DEPLOYABLE JOINT COMMAND AND CONTROL</b>	<b>5,905</b>	<b>7,105</b>
Deployable Command and Control Vehicle		1,200
<b>29 ASW SYSTEMS DEVELOPMENT</b>	<b>28,799</b>	<b>37,199</b>
Program Growth		-3,000
Holographic Optical Filter for Light Detection and Ranging (LIDAR)		2,000
Low Cost Multi-Channel Camera System		2,400
Marine Mammal Awareness, Alert and Response Systems (MMAARS)		2,400
Tactical E-Field Buoy Development		1,600
Sonobuoy Wave-Energy Module		3,000
<b>31 ADVANCED COMBAT SYSTEMS TECHNOLOGY</b>	<b>4,367</b>	<b>7,167</b>
Open Architecture/Maintenance Free Operating Period (MFOP)		2,800
<b>32 SURFACE AND SHALLOW WATER MINE COUNTERMEASURES</b>	<b>119,164</b>	<b>123,429</b>
Unmanned Underwater Vehicle Program Delay		-2,935
Unmanned Undersea Vehicles Near Term Interim Capability		4,000
AN/SQQ-32 Mine Hunting Sonar Upgrades		3,200
<b>33 SURFACE SHIP TORPEDO DEFENSE</b>	<b>49,171</b>	<b>51,731</b>
Supportability Training Services Infrastructure		1,600
Mobile Acoustic Decoys for Surface Ship Defense		960
<b>34 CARRIER SYSTEMS DEVELOPMENT</b>	<b>120,511</b>	<b>148,111</b>
Improved Corrosion Protection for Electromagnetic Aircraft Launch System (EMALS) for CVN-21 Class Carriers		2,000
National Sensor Fusion Support for Puget Sound Port Security		1,600
Electromagnetic Aircraft Launch System		24,000
<b>35 SHIPBOARD SYSTEM COMPONENT DEVELOPMENT</b>	<b>4,003</b>	<b>26,903</b>
Advanced Repair Technology for the Expeditionary Navy		800
Data Acquisition Reporting and Trending System (DARTS)		2,400
Extreme Torque Density (XTM) Propulsion Motor		800
Integrated Power System Converter		2,000
Infrared LED Free Space Optics Communications Advancement		400
Landing Craft Composite Lift Fan		1,000
Mobile Valve and Flex Hose Maintenance (MVFM)		1,000
Advanced Fluid Controls for Shipboard Applications Phase III		2,500
Advanced Steam Turbine		1,600
DDG-51 Hybrid Drive System		6,600
Power Dense Integrated Power System for CG(X)		3,000
Smart Valve		800
<b>40 SURFACE ASW</b>	<b>29,574</b>	<b>48,374</b>
Automated Readiness Measurement System (ARMS)		2,800
Small Business Technology Insertion		16,000

R-1	Budget Request	Recommendation
<b>42 ADVANCED SUBMARINE SYSTEM DEVELOPMENT</b>	<b>141,720</b>	<b>151,400</b>
Acoustic Research Detachment Large Scale Vehicles Operations Enhancement		480
Fiber Optic Conformal Acoustic Velocity Sensor (FOCAVES)		2,000
Submarine Fatline Vector Sensor Towed Array		800
Submarine Littoral Defense System		1,600
Low Cost Laser Module Assembly for Acoustic Sensors		1,600
Undersea Launched Missile Study		3,200
<b>43 SUBMARINE TACTICAL WARFARE SYSTEMS</b>	<b>10,212</b>	<b>13,812</b>
Common Architecture Imaging System (CAIS) Program		800
High Awareness Littoral Observing (HALO) Sensor - 360 Degree Imaging for Submarines		1,200
Submarine Panoramic Awareness System Program		1,600
<b>44 SHIP CONCEPT ADVANCED DESIGN</b>	<b>31,111</b>	<b>38,311</b>
Analytics for Shipboard Monitoring Systems		1,600
Low-Signature Modular Weapon Platform		3,200
Smart Machinery Spaces System		2,400
<b>45 SHIP PRELIMINARY DESIGN &amp; FEASIBILITY STUDIES</b>	<b>14,627</b>	<b>24,867</b>
Naval Ship Hydrodynamic Test Facilities		4,000
Bow Lifting Body Ship Research		6,240
<b>47 ADVANCED SURFACE MACHINERY SYSTEMS</b>	<b>0</b>	<b>2,000</b>
Ship Affordability Through Advanced Aluminum		2,000
<b>49 LITTORAL COMBAT SHIP (LCS)</b>	<b>371,008</b>	<b>369,308</b>
Combat System C4I Development		-12,000
Autonomous Acoustic Array Advanced Tubular Solid Oxide Fuel Cell		2,000
LCS Common Mission Package Training Environment		4,500
Alternative Use of Mine Warfare Modules		3,800
<b>50 COMBAT SYSTEM INTEGRATION</b>	<b>54,401</b>	<b>64,401</b>
Navy Requested Transfer from Line 148		10,000
<b>52 MARINE CORPS ASSAULT VEHICLES</b>	<b>316,052</b>	<b>256,052</b>
Program Delay		-60,000
<b>54 MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM</b>	<b>59,049</b>	<b>65,449</b>
Hybrid Capacitor Supercell for Marine Combat Vehicle		1,200
Marine Expeditionary Rifle Squad - Sensor Integrated, Modular Protection, Combat Helmet (MERS-SIMP)		1,600
Anti-Sniper Infrared Targeting System		2,000
Urban Operations Laboratory		1,600
<b>56 COOPERATIVE ENGAGEMENT</b>	<b>38,316</b>	<b>43,116</b>
Cooperative Engagement Capability		4,800
<b>58 ENVIRONMENTAL PROTECTION</b>	<b>19,632</b>	<b>20,832</b>
Puget Sound Anoxia Research for the Department of the Navy		1,200
<b>59 NAVY ENERGY PROGRAM</b>	<b>5,611</b>	<b>10,311</b>
Hydrogen Fuel Cell Development		1,200
Molten Carbonate Fuel Cell Demonstrator		3,500

R-1		Budget Request	Recommendation
<b>60</b>	<b>FACILITIES IMPROVEMENT</b>	<b>4,086</b>	<b>18,886</b>
	Kinetic Hydropower System (KHPS) Turbine		2,400
	Over-the-Horizon Vessel Tracking		800
	Regenerative Fuel Cell Back-up Power		1,200
	Swimmer Detection Sonar Network for the Portsmouth Naval Shipyard		3,200
	Testing of Critical Components for Ocean Alternate Energy Options for the Department of the Navy		2,000
	Wave Energy PowerBuoy Generating System for the Department of the Navy		1,600
	Hydrokinetic Power Generator		1,600
	Permanent Magnet Linear Generator Power Buoy System		2,000
<b>62</b>	<b>NAVY LOGISTIC PRODUCTIVITY</b>	<b>2,846</b>	<b>17,846</b>
	Field Support of Fiber Optic Cable		1,600
	Integrated Product Support Data Management System		1,000
	NAVAIR Distance Support Environment		800
	Advanced Naval Logistics		1,600
	Highly Integrated Optical Interconnect for Military Avionics		1,600
	RFID TECH Program		800
	Thin Film Materials for Advanced Applications, Advanced IED and Anti-Personnel Sensors		3,000
	Unique Identification of Tangible Items		3,000
	Zero-Standoff HERO-compliant RFID Systems		1,600
<b>70</b>	<b>LAND ATTACK TECHNOLOGY</b>	<b>40,028</b>	<b>18,042</b>
	Extended Range Guided Munition		-34,786
	Affordable Weapons System		11,200
	76mm Swarbuster Capability		1,600
<b>71</b>	<b>NONLETHAL WEAPONS</b>	<b>46,902</b>	<b>49,302</b>
	Boat Trap System for Port Security/Water Craft Interdiction		2,400
<b>72</b>	<b>JOINT PRECISION APPROACH AND LANDING SYSTEMS</b>	<b>99,929</b>	<b>77,429</b>
	Precision Approach Program Delay		-22,500
<b>75</b>	<b>DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS</b>	<b>0</b>	<b>4,560</b>
	Multi-Function Laser System		1,200
	Directed Energy Initiative		1,760
	Guillotine		1,600
<b>76</b>	<b>TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES</b>	<b>63,244</b>	<b>66,844</b>
	Assault Directed Infrared Countermeasures		2,000
	Compact Ultra-Fast Laser System Development		1,600
	<b>SPACE &amp; ELECTRONIC WARFARE (SEW)</b>		
<b>79</b>	<b>ARCHITECTURE/ENGINE</b>	<b>47,518</b>	<b>48,318</b>
	Cross-Domain Network Access System		800
<b>82</b>	<b>STANDARDS DEVELOPMENT</b>	<b>71,920</b>	<b>67,020</b>
	U.S. Navy Metrology and Calibration (METCAL)		2,800
	Common Avionics Displays		-7,700
<b>86</b>	<b>WARFARE SUPPORT SYSTEM</b>	<b>8,611</b>	<b>12,611</b>
	Common Expeditionary Force Protection System Architecture		4,000
<b>87</b>	<b>TACTICAL COMMAND SYSTEM</b>	<b>128,742</b>	<b>102,742</b>
	Maritime Domain Awareness Spiral 2		-30,000
	ISR Enhancements		4,000



R-1		Budget Request	Recommendation
90	<b>ACOUSTIC SEARCH SENSORS</b>	<b>45,790</b>	<b>39,790</b>
	ASW Sensors and Processors Management Growth		-6,000
93	<b>EA-18</b>	<b>128,906</b>	<b>130,106</b>
	Next Generation Electronic Warfare Simulator		1,200
94	<b>ELECTRONIC WARFARE DEVELOPMENT</b>	<b>106,932</b>	<b>90,932</b>
	Digital Radio Frequency Memory on Board Jammer Program Delay		-21,000
	Integrated Naval Electronic Warfare		1,000
	Point Mugu Electronic Warfare Laboratory Upgrade		1,600
	USMC Electronic Warfare (EW) Training		2,400
95	<b>VHXX EXECUTIVE HELO DEVELOPMENT</b>	<b>1,047,835</b>	<b>835,000</b>
	Increment II		-212,835
96	<b>JOINT TACTICAL RADIO SYSTEM - NAVY (JTRS-NAVY)</b>	<b>834,650</b>	<b>848,150</b>
	Digital Modular Radio (DMR)		2,000
	Army Tactical Radios for Future Combat Systems		11,500
97	<b>SC-21 TOTAL SHIP SYSTEM ENGINEERING</b>	<b>678,936</b>	<b>598,036</b>
	Floating Area Network Littoral Sensor Grid		4,800
	Bio/Nano-MEMS for Defense Applications		1,500
	CG(X) Program Delay		-87,200
98	<b>SURFACE COMBATANT COMBAT SYSTEM ENGINEERING</b>	<b>188,500</b>	<b>200,900</b>
	Adaptive Diagnostic Electronic Portable Testset (ADEPT)		800
	AEGIS Combat Information Center Modernization		4,000
	DDG 51 Permanent Magnet Hybrid Electric Propulsion System		7,600
101	<b>STANDARD MISSILE IMPROVEMENTS</b>	<b>234,653</b>	<b>237,653</b>
	Extensible Launching System		3,000
102	<b>AIRBORNE MCM</b>	<b>39,882</b>	<b>41,882</b>
	Airborne Mine Countermeasures Open Architecture Technology Insertion		2,000
	<b>NAVAL INTEGRATED FIRE CONTROL-COUNTER AIR SYSTEMS</b>		
103	<b>ENG</b>	<b>10,533</b>	<b>13,333</b>
	Sustainability of AN/SPS-49 Common Signal Data Processor		2,800
104	<b>ADVANCED ABOVE WATER SENSORS</b>	<b>153,558</b>	<b>139,158</b>
	Common Below Decks Affordable Architecture		3,200
	National Radio Frequency Research and Development and Technology Transfer Center		4,000
	Advanced Sensor Development		12,000
	CG(X) Program Delay		-33,600
107	<b>SHIPBOARD AVIATION SYSTEMS</b>	<b>42,843</b>	<b>45,643</b>
	Sensorless Control of Linear Motors in EMALS		2,800
108	<b>COMBAT INFORMATION CENTER CONVERSION</b>	<b>14,792</b>	<b>17,792</b>
	Scalable Open Architecture Upgradeable Reliable Computing Environment		3,000

R-1	Budget Request	Recommendation
<b>109 NEW DESIGN SSN</b>	<b>167,357</b>	<b>190,357</b>
Highly Corrosive-Resistant Alloy Joining for Nuclear Applications		800
Large-Scale Demonstration Item for Virginia Class Submarine Bow Dome		1,800
Submarine Automated Test and Re-Test (ATR/T)		2,000
Small Business Technology Insertion		16,000
ASW Enhancements		2,400
<b>111 SUBMARINE TACTICAL WARFARE SYSTEM</b>	<b>58,592</b>	<b>66,592</b>
Advanced Tactical Control System (ATCS)		1,600
Submarine Maintenance Automation and Communication System (SMACS)		1,600
Water Space Management Navigation Decision Aid		2,400
Submarine Environment for Evaluation and Development		2,400
<b>112 SHIP CONTRACT DESIGN/ LIVE FIRE T&amp;E</b>	<b>72,932</b>	<b>81,132</b>
Automated Fiber Optic Manufacturing Initiative		2,800
Transfer LHA (R) from NDSF		5,400
<b>115 LIGHTWEIGHT TORPEDO DEVELOPMENT</b>	<b>50,732</b>	<b>52,332</b>
Torpedo Composite Homing Array		1,600
<b>119 SHIP SELF DEFENSE (DETECT &amp; CONTROL)</b>	<b>35,999</b>	<b>44,999</b>
Cyber Security		2,400
Autonomous Unmanned Surface Vessel		1,200
Expeditionary Swimmer Defense System		2,400
Persistent Surveillance Wave PowerBuoy System		3,000
<b>120 SHIP SELF DEFENSE (ENGAGE: HARD KILL)</b>	<b>36,238</b>	<b>46,938</b>
Next Generation Phalanx with Laser Demo		10,700
<b>121 SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)</b>	<b>57,574</b>	<b>63,974</b>
Accelerated Improvement for Active Surface Electronic Warfare Systems		1,600
Shipboard Electronic Warfare Sustainment Training		3,200
NULKA Decoy and Mk 53 Decoy Launch System		1,600
<b>123 MEDICAL DEVELOPMENT</b>	<b>7,833</b>	<b>39,833</b>
Advanced Molecular Medicine Initiative		2,000
Hampton University Cancer Treatment Initiative		8,000
Military Dental Research		6,000
Mobile Oxygen, Ventilation and External Suction (MOVES)		1,200
On-Demand Custom Body Implants/Prosthesis for Injured Personnel		1,600
Penn State Cancer Institute		2,800
US Navy Cancer Vaccine Program		2,400
US Navy Pandemic Influenza Vaccine Program		1,600
Composite Tissue Transplantation for Combat Wounded Repair		2,000
Disposable Biocidal Medical Masks for NAMRU Evaluation		800
HealthForces		2,800
Topical Hemostat Effectiveness Study		800
<b>125 DISTRIBUTED SURVEILLANCE SYSTEM</b>	<b>0</b>	<b>2,000</b>
Sure Trak Re-Architecture and Sensor Augmentation		2,000
<b>126 JOINT STRIKE FIGHTER (JSF)</b>	<b>1,532,748</b>	<b>1,749,348</b>
Alternate Engine		215,000
JSF F-35B Lift Fan Component Manufacturing		1,600

R-1	Budget Request	Recommendation
<b>128 INFORMATION TECHNOLOGY DEVELOPMENT</b>	<b>72,497</b>	<b>91,897</b>
National Terrorism Preparedness Institute Anti-Terrorism/Counter-Terrorism Technology Development and Training		3,000
Base Level Inventory Tracking System Enhancements		2,800
Condition-based Maintenance Enabling Technologies Program		2,400
Digitization, Integration, and Analyst Access of Investigative Files, NCIS		1,600
Integration of Logistics Information for Knowledge Projection and Readiness Assessment		1,600
Supply Chain Logistics Capability at the ABL NIROP		8,000
<b>134 TACTICAL CRYPTOLOGIC SYSTEMS</b>	<b>16,678</b>	<b>18,278</b>
Paragon System Upgrades		1,600
<b>137 MAJOR T&amp;E INVESTMENT</b>	<b>42,391</b>	<b>52,191</b>
Air Combat Environment Test and Evaluation Facility Upgrade		3,000
Improved Interoperability Research and Development to Support NAVAIR and GWOT		2,000
Network Expansion and Integration of Navy/NASA RDT&E Ranges and Facilities		4,800
<b>141 SMALL BUSINESS INNOVATIVE RESEARCH</b>	<b>0</b>	<b>400</b>
Autonomous Power Management for Distributed Operation		400
<b>142 TECHNICAL INFORMATION SERVICES</b>	<b>713</b>	<b>15,613</b>
Center for Commercialization of Advanced Technology		2,500
Integrated Manufacturing Enterprise		2,400
HTDV		10,000
<b>148 TEST AND EVALUATION SUPPORT</b>	<b>356,254</b>	<b>346,254</b>
Navy Requested Transfer to Line 50		-10,000
<b>152 MARINE CORPS PROGRAM WIDE SUPPORT</b>	<b>24,687</b>	<b>30,287</b>
Logistics Technology Improvements		1,600
Global Supply Chain Management		1,600
USMC Logistics Analysis and Optimization		2,400
<b>159 STRATEGIC SUB &amp; WEAPONS SYSTEM SUPPORT</b>	<b>80,120</b>	<b>78,774</b>
Reliable Replacement Warhead		-23,346
Advanced Linear Accelerator (LINAC) Facility		3,200
Covert Robust Location Aware Wireless Network		1,600
Maritime Security - Surface and Sub-surface Surveillance System and Expeditionary Test-Bed		3,600
Adelos National Security Sensor System		2,000
Enhanced Special Weapons/Nuclear Weapons Security Program		1,600
Advanced Technology for MK5 AF&F		10,000
<b>162 NAVY STRATEGIC COMMUNICATIONS</b>	<b>47,495</b>	<b>43,495</b>
Program Growth		-4,000
<b>164 F/A-18 SQUADRONS</b>	<b>71,232</b>	<b>73,632</b>
Distributed Targeting Processor		2,400

R-1	Budget Request	Recommendation
<b>TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER</b>		
<b>167 (TMPC)</b>	<b>14,212</b>	<b>18,212</b>
Low-Cost Image-Based Navigation and Precision Targeting		800
Precision Terrain Aided Navigation (PTAN)		1,600
Tomahawk Cost Reduction Initiatives		1,600
<b>168 INTEGRATED SURVEILLANCE SYSTEM</b>	<b>20,565</b>	<b>28,765</b>
Autonomous Anti-Submarine Vertical Beam Array		1,600
Low Cost, Expendable, Fiber Optic Sensor Array		5,000
Distributed Maritime Surveillance System		1,600
<b>170 CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT</b>	<b>28,017</b>	<b>27,657</b>
Curriculum and Trainer Development Growth		-3,000
ASW Training Interoperability Enterprise Demonstration Test Bed		1,600
Total Ship Training System		1,040
<b>173 HARM IMPROVEMENT</b>	<b>31,427</b>	<b>33,927</b>
Aircraft Composite Rocket Launcher Improvement		2,500
<b>175 SURFACE ASW COMBAT SYSTEM INTEGRATION</b>	<b>21,720</b>	<b>22,520</b>
Long Range Synthetic Aperture Sonar for ASW		800
<b>176 MK-48 ADCAP</b>	<b>15,879</b>	<b>26,279</b>
MK 48 Torpedo Post-Launch Communication System		800
Undersea Weapons Enterprise Common Automated Test Equipment		3,200
ASW Enhancements		6,400
<b>177 AVIATION IMPROVEMENTS</b>	<b>122,906</b>	<b>100,266</b>
Multi-Purpose Bomb Rack Program Delay		-35,000
F/A-18 Avionics Ground Support System		2,400
Lightweight Composite Structure Development for Aerospace Vehicles		800
Reduction of Weapon System Downtime Rapid Repair Structural Adhesives		2,400
Rotor Blade Protection Against Sand and Water Erosion		800
Sacrificial Film Laminates for Navy Helicopter Windscreens		960
Vet-Biz Initiative for National Sustainment (VINS-Navy)		1,600
Arc Fault Circuit Breaker with Arc Location System		1,000
Wireless Sensors for Navy Aircraft		2,400
<b>180 MARINE CORPS COMMUNICATIONS SYSTEMS</b>	<b>273,696</b>	<b>281,416</b>
Center for Geospatial Intelligence and Investigation (GII)		1,520
Battlefield Sensor Netting		2,400
M2C2		3,800
<b>MARINE CORPS GROUND COMBAT/SUPPORTING ARMS</b>		
<b>181 SYSTEMS</b>	<b>136,080</b>	<b>119,380</b>
Marine Corps Shotgun Modernization Program		3,000
Marine Personnel Carrier Program Delay		-20,700
MARCOM Computer Research		1,000
<b>188 TECHNICAL RECONNAISSANCE AND SURVEILLANCE</b>	<b>0</b>	<b>2,000</b>
ACINT (MASINT) Tape Digitization Program		2,000
<b>190 SATELLITE COMMUNICATIONS (SPACE)</b>	<b>652,463</b>	<b>653,263</b>
Joint Integrated Systems Technology for Advanced Digital Networking (JIST-NET)		800

<b>R-1</b>	<b>Budget Request</b>	<b>Recommendation</b>
<b>191 INFORMATION SYSTEMS SECURITY PROGRAM</b>	<b>27,037</b>	<b>33,737</b>
TSG Technology Accreditation		2,400
Universal Description, Discovery and Integration		4,300
<b>197 TACTICAL UNMANNED AERIAL VEHICLES</b>	<b>45,717</b>	<b>51,817</b>
Micro-munitions Interface for Tactical Unmanned Systems (MITUS)		1,600
Unmanned Air Systems Tactical Control System		2,500
SKYBUS 80K and 130K LTA-UAS Multirole Technologies		2,000
<b>198 ENDURANCE UNMANNED AERIAL VEHICLES</b>	<b>480,098</b>	<b>433,698</b>
Broad Area Maritime Surveillance Program Delay		-48,000
Advanced Airship Flying Laboratory, AAFL Phase 2		1,600
<b>199 AIRBORNE RECONNAISSANCE SYSTEMS</b>	<b>55,719</b>	<b>66,519</b>
EP-3E Requirements Capability Migration Technology Integration Lab		4,800
Fusion, Exploitation, Algorithm, Targeting High-Altitude Reconnaissance		6,000
<b>200 MANNED RECONNAISSANCE SYSTEMS</b>	<b>13,982</b>	<b>19,882</b>
Unmanned Force Augmentation System		2,400
Collective Aperture Multi-Band Sensor System		3,500
<b>204 DEPOT MAINTENANCE (NON-IF)</b>	<b>21,130</b>	<b>11,130</b>
F-18 Service Life Assessment Program Delay		-10,000
<b>206 INDUSTRIAL PREPAREDNESS</b>	<b>56,681</b>	<b>61,881</b>
E-Beam Free Form Repair Qualification		1,200
Next Generation Scalable Lean Manufacturing Initiative		2,400
Out of Autoclave Composite Processing		1,600

## MINE WARFARE

The Mine Warfare Mission Modules onboard the Littoral Combat Ships (LCS) will provide a significant portion of the Navy's Mine Warfare capability. Delays in the fielding of the LCS translate to a commensurate delay in fielding the mine warfare capability provided by these platforms. Given that the LCS will not be fully operational in significant numbers until well into the next decade, the Nation cannot afford such a delay to the mine warfare capability provided by the associated mission modules. However, the mine warfare capability provided by the mission modules can provide benefit to the fleet even without the LCS platform. Therefore, \$3,800,000 is provided to the LCS mission module development effort to research and study methods to employ these modules independently of the LCS platform. The Secretary of the Navy is directed to provide a report to the congressional defense committees not later than June 30, 2009, detailing the results of this study and the plan for the operational employment of the mine warfare mission modules independent of the LCS.

## ELECTROMAGNETIC AIRCRAFT LAUNCHING SYSTEM (EMALS)

An additional \$24,000,000 is provided to address cost overruns in the Electromagnetic Aircraft Launching System (EMALS) program. Due to continuing concerns about meeting the schedule for integration into PCU Gerald R. Ford (CVN-78), the Secretary of the Navy is directed to submit a report to the congressional defense committees by April 1, 2009, which shall contain a description of efforts to control cost and schedule, an updated schedule for completion of research and development efforts and integration into CVN-78, and an assessment of aircraft launch system options for CVN-78, including cost estimates of those options, if the EMALS program experiences further delays.

## BONE MARROW REGISTRY

The bill includes \$31,500,000 for the Department of the Navy, to be administered by the C.W. Bill Young Marrow Donor Recruitment and Research Program, also known as and referred to within the Naval Medical Research Center as the Bone Marrow Registry. Funds appropriated for the C.W. Bill Young Marrow Donor Recruitment and Research Program shall remain available only for the purposes for which they were appropriated, and may only be obligated for the C.W. Bill Young Marrow Program. This Department of Defense donor center has recruited more than 475,000 Department of Defense volunteers, and provides more marrow donors per week than any other donor center in the Nation. More than 2,880 servicemembers and other Department volunteers from this donor center have provided marrow to save the lives of patients. The success of this national and international life-saving program for military and civilian patients, which now includes more than 7,000,000 potential volunteer donors is admirable. Further, the agencies involved in contingency planning are encouraged to continue to include the C.W. Bill Young Marrow Donor Recruitment and Research Program in the development and testing of their contingency plans. The Department of Defense form (DD Form 1414)

shall show this as a congressional interest item. The Department is further directed to release all the funds appropriated for this purpose to the C.W. Bill Young Marrow Donor Recruitment and Research Program within 60 days of enactment of this Act.

JOINT COUNTER RADIO-CONTROLLED ELECTRONIC WARFARE  
(JCREW)

The Navy has been designated as the executive agent for JCREW 3.3 to protect personnel from improvised explosive devices (IEDs), and is dependent upon transfer of funds from the Joint IED Defeat Organization for critical science and technology projects. Reliance on other sources of funding is inconsistent with the Navy's role as executive agent for JCREW 3.3. Therefore, the Secretary of the Navy is directed to fund these enabling science and technology projects within the Research, Development, Test and Evaluation, Navy account in future budget requests.

ELECTRIC PROPULSION TECHNOLOGY FOR SURFACE COMBATANTS

Significant steps have been taken in developing more energy efficient alternatives to the mechanical drive propulsion systems currently powering Navy ships. Funding has been provided for several years to mature electric propulsion technologies to support current and future Navy needs, either as an upgrade to DDG-51 or DDG-1000 class ships, or for the next-generation cruiser. Therefore, due to the increased flexibility, projected fuel savings and performance enhancements provided by such technologies, the Secretary of the Navy is directed to continue the exploration of electric propulsion as an integrated part of its surface combatant design and construction plan. Additionally, the Navy is encouraged to continue the development of all-electric technology by including funding in future Shipboard System Component Development (Program Element 0603513N) budget requests.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR  
FORCE

For Research, Development, Test and Evaluation, Air Force, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST	
RESEARCH, DEVELOPMENT, TEST & EVAL, AIR FORCE				
BASIC RESEARCH				
1	DEFENSE RESEARCH SCIENCES.....	309,926	314,726	+4,800
2	UNIVERSITY RESEARCH INITIATIVES.....	125,949	140,789	+14,840
3	HIGH ENERGY LASER RESEARCH INITIATIVES.....	13,425	13,425	---
	TOTAL, BASIC RESEARCH.....	449,300	468,940	+19,640
APPLIED RESEARCH				
7	MEDICAL DEVELOPMENT.....	---	4,900	+4,900
8	MATERIALS.....	117,143	188,503	+71,360
9	AEROSPACE VEHICLE TECHNOLOGIES.....	122,870	126,970	+4,100
10	HUMAN EFFECTIVENESS APPLIED RESEARCH.....	82,091	95,891	+13,800
11	AEROSPACE PROPULSION.....	218,049	251,109	+33,060
12	AEROSPACE SENSORS.....	109,048	130,448	+21,400
13	SPACE TECHNOLOGY.....	117,519	135,799	+18,280
14	CONVENTIONAL MUNITIONS.....	55,963	55,963	---
15	DIRECTED ENERGY TECHNOLOGY.....	62,871	62,871	---
16	COMMAND CONTROL AND COMMUNICATIONS.....	109,492	114,292	+4,800
17	HIGH ENERGY LASER RESEARCH.....	49,449	49,449	---
	TOTAL, APPLIED RESEARCH.....	1,044,495	1,216,195	+171,700
ADVANCED TECHNOLOGY DEVELOPMENT				
18	ADVANCED MATERIALS FOR WEAPON SYSTEMS.....	41,926	65,646	+23,720
19	ADVANCED AEROSPACE SENSORS.....	56,916	65,316	+8,400
20	AEROSPACE TECHNOLOGY DEV/DEMO.....	44,918	46,118	+1,200
21	AEROSPACE PROPULSION AND POWER TECHNOLOGY.....	170,856	180,256	+9,400
22	CREW SYSTEMS AND PERSONNEL PROTECTION TECHNOLOGY.....	26,630	34,110	+7,480
23	ELECTRONIC COMBAT TECHNOLOGY.....	21,056	31,936	+10,880
25	ADVANCED SPACECRAFT TECHNOLOGY.....	80,958	98,580	+17,622
26	MAUI SPACE SURVEILLANCE SYSTEM (MSSS).....	4,838	36,438	+31,600
27	CONVENTIONAL WEAPONS TECHNOLOGY.....	11,813	19,213	+7,400
28	ADVANCED WEAPONS TECHNOLOGY.....	44,507	56,467	+11,960
29	MANUFACTURING TECHNOLOGY PROGRAM.....	39,729	45,329	+5,600
30	C3I ADVANCED DEVELOPMENT.....	30,103	34,003	+3,900
32	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM.....	4,013	4,013	---
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	578,263	717,425	+139,162



(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
DEMONSTRATION & VALIDATION			
33 INTELLIGENCE ADVANCED DEVELOPMENT.....	4,988	6,588	+1,600
34 PHYSICAL SECURITY EQUIPMENT.....	477	1,677	+1,200
36 GPS III - OPERATIONAL CONTROL SEGMENT.....	2,975	307,335	+304,360
37 GPS OPERATIONAL CONTROL SEGMENT.....	304,360	---	-304,360
38 ADVANCED EHF MILSATCOM (SPACE).....	388,041	388,041	---
39 POLAR MILSATCOM (SPACE).....	237,749	237,749	---
40 SPACE CONTROL TECHNOLOGY.....	76,845	86,645	+9,800
41 COMBAT IDENTIFICATION TECHNOLOGY.....	29,400	29,400	---
42 NATO RESEARCH AND DEVELOPMENT.....	4,334	4,334	---
43 INTERNATIONAL SPACE COOPERATIVE R&D.....	627	627	---
44 TRANSFORMATIONAL SATCOM (TSAT).....	842,974	767,974	-75,000
45 INTEGRATED BROADCAST SERVICE.....	21,105	21,105	---
46 INTERCONTINENTAL BALLISTIC MISSILE.....	65,629	70,429	+4,800
47 WIDEBAND GAFILLER SYSTEM RDT&E (SPACE).....	12,422	52,422	+40,000
49 POLLUTION PREVENTION (DEM/VAL).....	2,877	11,677	+8,800
50 JOINT PRECISION APPROACH AND LANDING SYSTEMS.....	7,479	7,479	---
52 ALTERNATIVE FUELS.....	28,464	59,864	+31,400
53 AUTOMATED AIR-TO-AIR REFUELING.....	9,889	9,889	---
55 OPERATIONALLY RESPONSIVE SPACE.....	110,032	197,232	+87,200
56 NATIONAL POLAR-ORBITING OPERATIONAL ENVIRONMENTAL SAT.....	289,469	289,469	---
TOTAL, DEMONSTRATION & VALIDATION.....	2,440,136	2,549,936	+109,800
ENGINEERING & MANUFACTURING DEVELOPMENT			
57 GLOBAL BROADCAST SERVICE (GBS).....	18,790	18,790	---
58 NUCLEAR WEAPONS SUPPORT.....	20,166	20,166	---
59 B-1B.....	128,871	143,031	+14,160
60 SPECIALIZED UNDERGRADUATE FLIGHT TRAINING.....	7,462	13,462	+6,000
61 B-2 ADVANCED TECHNOLOGY BOMBER.....	351,417	365,077	+13,660
63 ELECTRONIC WARFARE DEVELOPMENT.....	54,995	56,495	+1,500
64 PHYSICAL SECURITY EQUIPMENT.....	52	52	---
65 SMALL DIAMETER BOMB (SDB).....	125,067	126,667	+1,600
66 COUNTERSPACE SYSTEMS.....	74,918	76,518	+1,600
67 SPACE SITUATION AWARENESS SYSTEMS.....	210,501	210,501	---
68 AIRBORNE ELECTRONIC ATTACK.....	34,279	34,279	---
69 SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD.....	529,771	544,771	+15,000

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
70 ALTERNATIVE INFRARED SPACE SYSTEM (AIRSS).....	149,064	960	-148,104
71 ARMAMENT/ORDNANCE DEVELOPMENT.....	2,095	2,095	---
72 SUBMUNITIONS.....	1,730	1,730	---
73 AGILE COMBAT SUPPORT.....	5,790	5,790	---
75 LIFE SUPPORT SYSTEMS.....	10,998	16,598	+5,600
76 COMBAT TRAINING RANGES.....	28,047	28,047	---
77 INTEGRATED COMMAND & CONTROL APPLICATIONS (IC2A).....	177	5,777	+5,600
78 INTELLIGENCE EQUIPMENT.....	1,488	2,288	+800
80 JOINT STRIKE FIGHTER (JSF).....	1,524,016	1,739,016	+215,000
81 EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE).....	33,719	33,719	---
82 RDT&E FOR AGING AIRCRAFT.....	13,828	17,028	+3,200
83 NEXT GENERATION AERIAL REFUELING AIRCRAFT.....	831,759	23,000	-808,759
84 CSAR-X RDT&E.....	305,062	233,027	-72,035
85 HC/MC-130 RECAP RDT&E.....	11,692	11,692	---
86 LINK-16 SUPPORT AND SUSTAINMENT.....	186,213	193,813	+7,600
87 E-10 SQUADRONS.....	42,215	---	-42,215
88 SINGLE INTEGRATED AIR PICTURE (SIAP).....	66,909	66,909	---
89 FULL COMBAT MISSION TRAINING.....	135,152	135,152	---
90 JOINT CARGO AIRCRAFT (JCA).....	26,777	16,777	-10,000
91 CV-22.....	18,562	18,562	---
92 AIRBORNE SENIOR LEADER C3 (SLC3S).....	1,992	1,992	---
TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	4,953,574	4,163,781	-789,793

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
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RDT&E MANAGEMENT SUPPORT			
93 THREAT SIMULATOR DEVELOPMENT.....	34,568	34,568	---
94 MAJOR T&E INVESTMENT.....	61,818	69,418	+7,600
95 RAND PROJECT AIR FORCE.....	28,676	31,676	+3,000
97 INITIAL OPERATIONAL TEST & EVALUATION.....	29,537	29,537	---
98 TEST AND EVALUATION SUPPORT.....	787,737	787,737	---
99 ROCKET SYSTEMS LAUNCH PROGRAM (SPACE).....	14,895	14,895	---
100 SPACE TEST PROGRAM (STP).....	48,072	48,072	---
101 FACILITIES RESTORATION & MODERNIZATION - TEST & EVAL..	46,234	49,434	+3,200
102 FACILITIES SUSTAINMENT - TEST AND EVALUATION SUPPORT..	28,898	36,298	+7,400
104 INTERNATIONAL ACTIVITIES.....	3,910	3,910	---
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TOTAL, RDT&E MANAGEMENT SUPPORT.....	1,084,345	1,105,545	+21,200
OPERATIONAL SYSTEMS DEVELOPMENT			
105 COMMON VERTICAL LIFT SUPPORT PLATFORM.....	3,868	3,868	---
106 ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY.....	20,987	20,987	---
108 B-52 SQUADRONS.....	38,651	47,651	+9,000
110 AIR-LAUNCHED CRUISE MISSILE (ALCM).....	396	396	---
111 STRAT WAR PLANNING SYSTEM - USSTRATCOM.....	17,553	17,553	---
112 NIGHT FIST - USSTRATCOM.....	5,299	5,299	---
114 REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION..	23,858	23,858	---
115 STRATEGIC AEROSPACE INTELLIGENCE SYSTEM ACTIVITIES....	15	15	---
116 WARFIGHTER RAPID ACQUISITION PROCESS (WRAP) RAPID TRAN	20,807	20,807	---
117 MQ-9 UAV.....	43,557	46,557	+3,000
118 A-10 SQUADRONS.....	---	4,000	+4,000
119 F-16 SQUADRONS.....	123,979	127,179	+3,200
120 F-15E SQUADRONS.....	184,213	199,413	+15,200
121 MANNED DESTRUCTIVE SUPPRESSION.....	5,585	5,585	---
122 F-22 SQUADRONS.....	700,305	607,305	-93,000
124 TACTICAL AIM MISSILES.....	5,748	5,748	---
125 ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)....	54,239	54,239	---
126 JOINT HELMET MOUNTED CUEING SYSTEM (JHMCS).....	3,192	3,192	---
127 AF TENCAP.....	11,578	11,578	---
129 COMPASS CALL.....	4,670	4,670	---
130 AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM.....	150,956	150,956	---
132 JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM).....	13,035	33,035	+20,000

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
133 AIR AND SPACE OPERATIONS CENTER (AOC).....	118,834	98,834	-20,000
134 CONTROL AND REPORTING CENTER (CRC).....	60,590	60,590	---
135 AIRBORNE WARNING AND CONTROL SYSTEM (AWACS).....	126,300	126,300	---
136 TACTICAL AIRBORNE CONTROL SYSTEMS.....	1,530	1,530	---
137 ADVANCED COMMUNICATIONS SYSTEMS.....	29,782	29,782	---
138 EVALUATION AND ANALYSIS PROGRAM.....	794,036	794,036	---
140 THEATER BATTLE MANAGEMENT (TBM) C4I.....	19,437	19,437	---
141 FIGHTER TACTICAL DATA LINK.....	62,788	57,788	-5,000
142 BOMBER TACTICAL DATA LINK.....	11,702	11,702	---
143 C2ISR TACTICAL DATA LINK.....	1,727	1,727	---
144 COMMAND AND CONTROL (C2) CONSTELLATION.....	32,151	32,151	---
145 JOINT SURVEILLANCE AND TARGET ATTACK RADAR SYSTEM ....	97,641	81,541	-16,100
146 SEEK EAGLE.....	21,645	21,645	---
148 USAF MODELING AND SIMULATION.....	28,981	28,981	---
149 WARGAMING AND SIMULATION CENTERS.....	3,870	3,870	---
150 DISTRIBUTED TRAINING AND EXERCISES.....	7,137	7,137	---
151 MISSION PLANNING SYSTEMS.....	97,560	97,560	---
152 INFORMATION WARFARE SUPPORT.....	12,220	12,220	---
153 SPECIAL EVALUATION SYSTEM.....	1,077,970	1,077,970	---
167 NATIONAL AIR INTELLIGENCE CENTER.....	---	1,360	+1,360
159 E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC).....	4,069	4,069	---
161 MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK ....	70,995	70,995	---
162 INFORMATION SYSTEMS SECURITY PROGRAM.....	187,933	187,933	---
163 GLOBAL COMBAT SUPPORT SYSTEM.....	4,320	4,320	---
164 GLOBAL COMMAND AND CONTROL SYSTEM.....	3,218	7,218	+4,000
165 JOINT COMMAND AND CONTROL PROGRAM (JC2).....	3,234	3,234	---
166 MILSATCOM TERMINALS.....	337,098	337,098	---
167 SPECIAL ACTIVITIES.....	---	5,600	+5,600
168 AIRBORNE SIGINT ENTERPRISE.....	173,631	173,631	---
ADVANCED GEOSPATIAL INTELLIGENCE.....	---	2,000	+2,000
171 GLOBAL AIR TRAFFIC MANAGEMENT (GATH).....	6,275	6,275	---
172 CYBER SECURITY INITIATIVE.....	2,083	2,083	---
173 SATELLITE CONTROL NETWORK (SPACE).....	16,758	16,758	---
174 WEATHER SERVICE.....	47,347	47,347	---
175 AIR TRAFFIC CONTROL, APPROACH, & LANDING SYSTEM (ATC).....	6,867	6,867	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
176 AERIAL TARGETS.....	34,777	34,777	---
179 SECURITY AND INVESTIGATIVE ACTIVITIES.....	786	786	---
181 DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES.....	39	39	---
184 NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT)....	127,513	131,513	+4,000
185 NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL)...	91,277	91,277	---
187 SPACE AND MISSILE TEST AND EVALUATION CENTER.....	1,985	1,985	---
188 SPACE WARFARE CENTER.....	3,003	3,003	---
189 SPACELIFT RANGE SYSTEM (SPACE).....	12,376	12,376	---
190 INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS.....	1,237	3,637	+2,400
191 AIRBORNE RECONNAISSANCE SYSTEMS.....	149,752	104,152	-45,600
192 MANNED RECONNAISSANCE SYSTEMS.....	12,819	17,859	+5,040
193 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.....	107,834	107,834	---
194 PREDATOR UAV (JMIP).....	24,773	37,173	+12,400
195 GLOBAL HAWK UAV.....	284,292	311,507	+27,215
196 NETWORK-CENTRIC COLLABORATIVE TARGET (TIARA).....	8,807	8,807	---
197 GPS III SPACE SEGMENT.....	420,342	393,342	-27,000
198 INTELLIGENCE SUPPORT TO INFORMATION WARFARE.....	5,438	5,438	---
200 NUDET DETECTION SYSTEM (SPACE).....	41,292	41,292	---
201 NATIONAL SECURITY SPACE OFFICE.....	10,797	7,797	-3,000
202 SPACE SITUATION AWARENESS OPERATIONS.....	16,166	16,166	---
203 NASS, IO TECHNOLOGY INTEGRATION & TOOL DEV.....	15,726	15,726	---
204 SHARED EARLY WARNING (SEW).....	3,152	3,152	---
205 C-130 AIRLIFT SQUADRON.....	172,560	179,760	+7,200
206 C-5 AIRLIFT SQUADRONS.....	125,063	127,463	+2,400
207 C-17 AIRCRAFT.....	236,047	236,047	---
208 C-130J PROGRAM.....	52,354	27,354	-25,000
209 LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM).....	32,100	36,500	+4,400
210 KC-135S.....	7,133	7,133	---
214 AIR MOBILITY TACTICAL DATA LINK.....	---	8,000	+8,000
215 SPECIAL TACTICS / COMBAT CONTROL.....	5,728	7,728	+2,000
216 DEPOT MAINTENANCE (NON-IF).....	1,531	1,531	---
217 ACQUISITION AND MANAGEMENT SUPPORT.....	34,428	37,228	+2,800
218 INDUSTRIAL PREPAREDNESS.....	---	4,800	+4,800
220 LOGISTICS INFORMATION TECHNOLOGY (LOGIT).....	189,679	159,679	-30,000

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
221 SUPPORT SYSTEMS DEVELOPMENT.....	8,145	46,945	+38,800
222 JOINT NATIONAL TRAINING CENTER.....	3,214	3,214	---
223 OTHER PERSONNEL ACTIVITIES.....	116	1,116	+1,000
224 JOINT PERSONNEL RECOVERY AGENCY.....	5,768	5,768	---
225 SERVICE-WIDE SUPPORT (NOT OTHERWISE ACCOUNTED FOR)....	3,016	3,016	---
226 CIVILIAN COMPENSATION PROGRAM.....	8,123	8,123	---
227 PERSONNEL ADMINISTRATION.....	18,625	18,625	---
228 FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT..	31,782	16,782	-15,000
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	7,211,815	7,121,930	-89,885
999 CLASSIFIED PROGRAMS.....	10,304,689	9,740,588	-564,101
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, AIR FORCE	28,066,617	27,084,340	-982,277

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

R-1	Budget Request	Recommendation
<b>1 DEFENSE RESEARCH SCIENCES</b>	<b>309,926</b>	<b>314,726</b>
Center for Microplasma Science and Technology (CMST)		2,000
Coal Transformation Laboratory		800
Development and Validation of Advanced Design Technologies for Hypersonic Research		2,000
<b>2 UNIVERSITY RESEARCH INITIATIVES</b>	<b>125,949</b>	<b>140,789</b>
Aerodynamic Wind Tunnel Upgrade Initiative		1,600
Cyber Security Laboratory at Louisiana Tech University		3,000
Institute for Science and Engineering Simulation (ISES)		3,360
Lean Management System Research Initiative at Air Mobility Wing MacDill AFB		800
Secure Network Centric Operations		1,600
Unmanned Aerial Systems Mission Planning and Operation Center		400
Battlespace: Reducing Military Decision Cycles		1,280
High Temperature Hydrogen Energy Production Facility		1,200
Partnership in Innovative Preparation for Educators and Students and the Space Education Consortium		800
Rapid Prototyping and Nanotechnology Initiative		800
<b>7 MEDICAL DEVELOPMENT</b>	<b>0</b>	<b>4,900</b>
Biothreat Test Pouch for Film Array System		800
Health Surveillance System		1,600
Regional Telepathology Initiative at Keesler AFB		2,500
<b>8 MATERIALS</b>	<b>117,143</b>	<b>188,503</b>
Accelerated Insertion of Advanced Materials and Certification for Military Aircraft Structure Material Substitution and Repair		3,000
Advance Casting and Coating Technologies for Aircraft Canopies		2,800
Advanced Aerospace Heat Exchangers		1,600
Advanced Carbon Fiber Research and Test Initiative		2,400
Advanced Thermal Control Coatings for Space Applications		1,600
Carbon Non-Materials for Advanced Aerospace Applications		2,400
Ceramic Matrix Composite Turbine Blade Demonstration		4,000
FEL Capabilities for Aerospace Microfabrication		1,120
Fire and Blast Resistant Materials for Force Protection		1,600
Gallium Nitride RF Power Technology		1,600
High Power Broadly Tunable Middle-Infrared Laser Sources		2,400
Intelligent Manufacturing Initiative		2,400
Large Area, APVT Materials Development for High Power Devices		800
Light Weight Organic Photovoltaic Technologies		1,200
Liquid Crystal Laser Eye Protection		1,600
Nanocomposites for Lightning Protection of Composite Airframe Structures		1,200
Next Generation Manufacturing Processes		1,200
Optic Band Control Program		800
Partnership for Emerging Technologies		1,600
Pennsylvania NanoMaterials Commercialization Center		2,000
Plasma-Sphere Array for Flexible Electronics		2,800
Science for Sustainment		1,600
Advanced Military Installations That Integrate Renewable Energy and Advanced Energy Storage Technologies		4,000
Air Force Minority Leaders Program		8,000
Aircraft Fatigue Modeling and Simulation		3,000
Conducting Polymer Stress and Damage Sensors for Composites		1,440

R-1	Budget Request	Recommendation
Consortium for Nanomaterials for Aerospace Commerce and Technology		2,400
Diamond Substrate for Cooling of Micro-Electronics		2,000
LGX High Temperature Acoustic Wave Sensors		1,600
Mobile Wind Turbine Systems to Power Forward Bases		800
Nano-Composite Structures Manufacturing Technology Development		800
ONAMI Safer Nanomaterials and Nanomanufacturing		4,000
Tactical Shelters Next Generation Composite Initiative		1,600
<b>9 AEROSPACE VEHICLE TECHNOLOGIES</b>	<b>122,870</b>	<b>126,970</b>
Center for Solar Electricity and Hydrogen		3,600
Cognitive UAV		500
<b>10 HUMAN EFFECTIVENESS APPLIED RESEARCH</b>	<b>82,091</b>	<b>95,891</b>
Homeland Emergency Learning and Preparedness (HELP) Center		3,000
Imaging Tools for Human Performance Enhancement and Diagnostics		2,000
Smart View Program (SVP)		800
Tools and Technologies for Incident and Consequence Management		800
Component Object Model Attitude Control System Simulation/Trainer		1,600
Joint Theater Air Ground Simulation System		2,400
Ultra High Resolution Deployable Projector for Simulation		3,200
<b>11 AEROSPACE PROPULSION</b>	<b>218,049</b>	<b>251,109</b>
Advanced Lithium Ion Battery Manufacturing		1,600
Advanced Vehicle Propulsion Center		1,200
Aerospace Lab Equipment Upgrade		800
Affordable Lightweight Power Supply Development		1,000
Development and Testing of Advanced Paraffin-Based Hybrid Rockets for Space Applications		2,800
Electronics Liquid Cooling for Advanced Military Ground and Aerospace Vehicle Projects		1,000
Hydrocarbon Boost Technology Demonstrator		1,400
Integrated Power for Aircraft Technologies (INPACT II)		3,500
Integrated Aircraft Energy Management		2,000
Integrated Electrical Starter/Generator (IES/G)		1,600
Integrated Propulsion Analysis Tool		2,000
Lithium Ion Domestic Materials Development		1,600
Multi-Mode Space Propulsion		800
National Test Facility for Aerospace Fuels and Propulsion		1,360
WASH.Oxygen Sensor and Cell-Level Battery Controller		800
Advanced Fuel Cell Based Power System for Small UAV Applications		1,200
Manufacturing of High Energy Superior Lithium Battery Technology		6,000
Vortex Low Cost Rocket Engine		2,400
<b>12 AEROSPACE SENSORS</b>	<b>109,048</b>	<b>130,448</b>
Information Quality Tools for Persistent Surveillance Data Sets		1,600
Net-Centric Sensors Grid		800
Optically Pumped Atomic Laser (OPAL)		2,800
Sensor Fusion		2,400
Watchkeeper		800
Weather Sensors for CoT		1,600
Advanced Data Exploitation and Visualization		800



R-1	Budget Request	Recommendation
Low Voltage, Wideband Electro-Optic Polymer Modulators		3,000
Persistent Sensing Data Processing, Storage and Retrieval		1,600
Space Qualification of the Common Data Link		1,600
Super-Resolution Sensor System		2,000
Wideband Digital Airborne Electronic Sensing Array		2,400
<b>13 SPACE TECHNOLOGY</b>	<b>117,519</b>	<b>135,799</b>
Advanced Modular Avionics for Operationally Responsive Space Use		2,400
Center for Responsive Space Systems		800
Multicontinuum Technology for Space Structures		2,880
Radiation Hardened Non-Volatile Memory Technology		1,600
Defensive Counterspace Testbed		800
Field Programmable Gate Arrays Mission Assurance Center		3,000
Lightweight, High-Efficiency Solar Cells for Spacecraft		800
Massively Parallel Optical Interconnects for MicroSatellite Applications		1,600
Nuclear Test Seismic Research		2,000
Reconfigurable Electronics and Non-Volatile Memory Research		2,000
Shielding Rocket Payloads		400
<b>16 COMMAND CONTROL AND COMMUNICATIONS</b>	<b>109,492</b>	<b>114,292</b>
Compact Laser Terminal for Airborne Network Centric Warfare		2,800
Cyber Attack Mitigation and Exploitation Laboratory (CAMEL) III		2,000
<b>18 ADVANCED MATERIALS FOR WEAPON SYSTEMS</b>	<b>41,926</b>	<b>65,646</b>
Advanced Nanotube Micro-Munitions Weapon Technology Initiative		1,600
EMI Grid Fabrication Technology		2,720
Aircraft Evaluation Readiness Initiative		2,400
Hybrid Bearing		1,600
Materials Integrity Management Research for Air Force Systems		800
Metals Affordability Initiative		4,000
Rapid Automated Processing of Advanced Low Observables		1,600
Sewage-Derived Biofuels Project		2,400
Silicon Carbide Electronics Material Producibility Initiative		4,800
Sonic Infrared Imaging Technology Development		800
Strategic Biofuel Supply Program		1,000
<b>19 ADVANCED AEROSPACE SENSORS</b>	<b>56,916</b>	<b>65,316</b>
Active Unmanned Air Vehicle (UAV) Phenomenology and Automatic Target Recognition Technology Transition (ATR)		2,000
Automated Sensor-Communication Response Technology		1,600
Moving Target Strike		2,000
Reconfigurable Secure Computing		1,200
Precision Image Tracking and Registration		1,600
<b>20 AEROSPACE TECHNOLOGY DEV/DEMO</b>	<b>44,918</b>	<b>46,118</b>
Big Antennas Small Structures Efficient Tactical (BASSET) UAV		1,200
<b>21 AEROSPACE PROPULSION AND POWER TECHNOLOGY</b>	<b>170,856</b>	<b>180,256</b>
Bio-JPB Fuel Development		800
Texas Research Institute for Environmental Studies		1,600
Small Adaptive Cycle Turbine Engines		1,600
Renewable Hydrocarbon Fuels for Military Applications (Great Lakes Region)		2,000
XTC58F VAATE Small Turbo Fan Program		3,600

R-1	Budget Request	Recommendation
Assured Aerospace Fuels Research		1,600
Silicon Carbide Power Electronics for More Electric Aircraft		3,200
Turbine Engine Core Components - program growth		-5,000
<b>CREW SYSTEMS AND PERSONNEL PROTECTION</b>		
<b>22 TECHNOLOGY</b>	<b>26,630</b>	<b>34,110</b>
Air Purification with Carbon Nanotube Nanostructured Material		5,000
PhasorBIRD Helmet Tracker		2,480
<b>23 ELECTRONIC COMBAT TECHNOLOGY</b>	<b>21,056</b>	<b>31,936</b>
Innovative Polymeric Materials for Three-Dimensional (3-D) Microdevice Construction		1,600
New Electronic Warfare Specialists Through Advanced Research by Students		1,600
COTS Analysis Tools for Navigational Warfare		1,200
Advanced Electromagnetic Location of IEDs Defeat System		1,600
Advance Threat Alert/Advance Technology Demonstration		4,880
<b>25 ADVANCED SPACECRAFT TECHNOLOGY</b>	<b>80,958</b>	<b>98,580</b>
Small Low-Cost Reconnaissance Spacecraft Components		1,600
Space Situational Awareness		1,200
Semiconductor Optical Amplifier for Responsive Space MPOI		2,200
Hybrid Sounding Rocket Propulsion		800
Integrated Spacecraft Engineering Tool (ISET)		1,600
Micromachined Switches for Next Generation Modular Satellites		2,400
Satellite Coherent Optical Receiver (SCORE)		1,750
Operational Responsive Space Architecture for Dual Use Applications		1,272
Thin Film Amorphous Solar Arrays		1,600
Ultra Low Power Electronics		3,200
<b>26 MAUI SPACE SURVEILLANCE SYSTEM (MSSS)</b>	<b>4,838</b>	<b>36,438</b>
Flash Hyper-Dimensional Imaging System for Space Situational Awareness and Ballistic Missile Defense		1,600
MSSS Operations & Research		22,000
PanSTARRS		8,000
<b>27 CONVENTIONAL WEAPONS TECHNOLOGY</b>	<b>11,813</b>	<b>19,213</b>
Energetic Device Quality and Reliability Improvements Using Computer Aided Process Control		2,400
Body Armor Improved Ballistic Protection		2,000
Integrated Targeting Device		3,000
<b>28 ADVANCED WEAPONS TECHNOLOGY</b>	<b>44,507</b>	<b>56,467</b>
Compound Zoom for Airborne Reconnaissance (CZAR)		1,200
Advanced Fiber Lasers Systems and Components		960
Applications of LIDAR to Vehicles with Analysis		7,000
Real-time Optical Surveillance Applications		2,800
<b>29 MANUFACTURING TECHNOLOGY PROGRAM</b>	<b>39,729</b>	<b>45,329</b>
Prepreg Thickness Variability Reduction Program		1,600
Production of Nanocomposites for Aerospace Applications		1,600
Next Generation Casting Supplier Base Initiative		2,400
<b>30 C3I ADVANCED DEVELOPMENT</b>	<b>30,103</b>	<b>34,003</b>
MPOI for Battlespace Information Exchange		3,900

R-1	Budget Request	Recommendation
<b>33 INTELLIGENCE ADVANCED DEVELOPMENT</b>	<b>4,988</b>	<b>6,588</b>
Broad Area Multi-Intelligence Ubiquitous Surveillance Enterprise		1,600
<b>34 PHYSICAL SECURITY EQUIPMENT</b>	<b>477</b>	<b>1,677</b>
Multi-Sensor Person-Borne Suicide Counter Bomber Detection Systems		1,200
<b>36 GPS III - OPERATIONAL CONTROL SEGMENT</b>	<b>2,975</b>	<b>307,335</b>
GPS III OCX		304,360
<b>37 GPS OPERATIONAL CONTROL SEGMENT</b>	<b>304,360</b>	<b>0</b>
GPS III- OCX backwards compatibility		-304,360
<b>40 SPACE CONTROL TECHNOLOGY</b>	<b>76,845</b>	<b>86,645</b>
COTS Technology for Situational Space Awareness		2,800
Multi-mission Deployable Optical System		4,000
Space Situational Awareness - TCN Demonstration and Deployment		3,000
<b>44 TRANSFORMATIONAL SATCOM (TSAT)</b>	<b>842,974</b>	<b>767,974</b>
Program Reduction/TSAT Contract Award Delay		-75,000
<b>46 INTERCONTINENTAL BALLISTIC MISSILE</b>	<b>65,629</b>	<b>70,429</b>
Conventional Strike Mission Integration Demonstration		4,800
<b>47 WIDEBAND GAPPILLER SYSTEM RDT&amp;E (SPACE)</b>	<b>12,422</b>	<b>52,422</b>
Program Sustain and Evolution		40,000
<b>49 POLLUTION PREVENTION (DEM/VAL)</b>	<b>2,877</b>	<b>11,677</b>
Microcomposite Coatings for Chrome Replacement		800
Program Increase		8,000
<b>52 ALTERNATIVE FUELS</b>	<b>28,464</b>	<b>59,864</b>
Alternative Energy - Tin City		500
Eielson AFB Coal to Liquid Initiative		5,000
Air Force Requested Transfer (Note: Includes transfer from OM, AF Line 41A)		25,900
<b>55 OPERATIONALLY RESPONSIVE SPACE</b>	<b>110,032</b>	<b>197,232</b>
Micro-Satellite Serial Manufacturing to Include Academic Outreach Educational Program		800
Chip Scale Atomic Clock		2,400
Ballistic Missile Technology		2,400
Florida National Guard Missile Range Safety Technology		1,600
Infrared Sensor Payload Development and Demonstration (Note: Includes transfer from Line 70)		75,000
Low-Earth Orbit Nanosatellite Integrated Defense Autonomous Systems		5,000
<b>59 B-1B</b>	<b>128,871</b>	<b>143,031</b>
FIDL and CITS Program Increase (Note: Air Force requested transfer from AP,AF Line 25)		10,000
B-1 Bomber 16-Carry Adapter Weapons Initiative		4,160
<b>60 SPECIALIZED UNDERGRADUATE FLIGHT TRAINING</b>	<b>7,462</b>	<b>13,462</b>
AT-6B Capabilities Demonstration for the Air National Guard		6,000

R-1		Budget Request	Recommendation
61	<b>B-2 ADVANCED TECHNOLOGY BOMBER</b>	<b>351,417</b>	<b>365,077</b>
	Air Force Requested Transfer (Note: Air Force requested transfer to AP,AF Line 24)		-18,500
	B-2 Integrated Strike Warfare		12,720
	B-2 Moving Target Kill (MTK)/SDB II		8,240
	B-2 Advanced Tactical Data Link		11,200
63	<b>ELECTRONIC WARFARE DEVELOPMENT</b>	<b>54,995</b>	<b>56,495</b>
	Rapid Replacement of Mission Critical Electronics to Support High Usage Wartime Aircraft Deployments		1,500
65	<b>SMALL DIAMETER BOMB (SDB)</b>	<b>125,067</b>	<b>126,667</b>
	M-PACT High Pressure Pure Air Generator System		1,600
66	<b>COUNTERSPACE SYSTEMS</b>	<b>74,918</b>	<b>76,518</b>
	Space Control Test Capabilities		1,600
69	<b>SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD</b>	<b>529,771</b>	<b>544,771</b>
	SBIRS Space HEO Ground Integration		15,000
70	<b>ALTERNATIVE INFRARED SPACE SYSTEM (AIRSS)</b>	<b>149,064</b>	<b>960</b>
	Third Generation Infrared System (3GIRS) (Note: Transferred to Line 55)		-149,064
	Advanced Staring Infrared Testbed (ASIRT) Technology Demonstration		960
75	<b>LIFE SUPPORT SYSTEMS</b>	<b>10,998</b>	<b>16,598</b>
	ACES 5 Ejection Seat		5,600
77	<b>INTEGRATED COMMAND &amp; CONTROL APPLICATIONS (IC2A)</b>	<b>177</b>	<b>5,777</b>
	Distributed Mission Interoperability Toolkit (DMIT)		1,600
	ASSET eWing and Data Fusion Technology Integration		4,000
78	<b>INTELLIGENCE EQUIPMENT</b>	<b>1,488</b>	<b>2,288</b>
	Integrated SAR/PI Evaluator for Critical Target and Activity Recognition (INSPECTAR)		800
80	<b>JOINT STRIKE FIGHTER (JSF)</b>	<b>1,524,016</b>	<b>1,739,016</b>
	Alternate Engine		215,000
82	<b>RDT&amp;E FOR AGING AIRCRAFT</b>	<b>13,828</b>	<b>17,028</b>
	KC-135R Tanker Blended Winglet Development		3,200
83	<b>NEXT GENERATION AERIAL REFUELING AIRCRAFT</b>	<b>831,759</b>	<b>23,000</b>
	Transfer to Tanker Replacement Transfer Fund		-808,759
84	<b>CSAR-X RDT&amp;E</b>	<b>305,062</b>	<b>233,027</b>
	Request Ahead of Need/Contract Delay		-40,000
	Adjustment due to Fiscal Year 2008 Unobligated Balance		-32,035
86	<b>LINK-16 SUPPORT AND SUSTAINMENT</b>	<b>186,213</b>	<b>193,813</b>
	Program Increase		6,400
	Flexible Access Secure Transfer (FAST)		1,200
87	<b>E-10 SQUADRONS</b>	<b>42,215</b>	<b>0</b>
	Transfer to Global Hawk Line 195		-42,215

R-1		Budget Request	Recommendation
90	<b>JOINT CARGO AIRCRAFT (JCA)</b>	26,777	16,777
	Unexecutable request		-10,000
94	<b>MAJOR T&amp;E INVESTMENT</b>	61,818	69,418
	FPS-16 Radar Mobilization Upgrade		2,800
	Eglin AFB Range Operations Center (ROCC) Initiative		800
	Holloman High Speed Test Track		4,000
95	<b>RAND PROJECT AIR FORCE</b>	28,676	31,676
	Program Increase		3,000
101	<b>FACILITIES RESTORATION &amp; MODERNIZATION - TEST &amp; EVAL</b>	46,234	49,434
	Base Facility Energy Independence		3,200
102	<b>FACILITIES SUSTAINMENT - TEST AND EVALUATION SUPPORT</b>	28,898	36,298
	Internal Base Facility Energy Independence - Solar		1,800
	Low Profile Arresting Gear		800
	Sustainable Energy Vermont National Guard Demonstration Projects		5,000
108	<b>B-52 SQUADRONS</b>	38,651	47,651
	Core Component Jammer (CCJ)		9,000
117	<b>MQ-9 UAV</b>	43,557	46,557
	MQ-9 Reaper - UAS AirPortal, Hancock Field		3,000
118	<b>A-10 SQUADRONS</b>	0	4,000
	Scorpion Low Cost Helmet Mounted Cueing and Information Display System		4,000
119	<b>F-16 SQUADRONS</b>	123,979	127,179
	Synthetic Aperture Radar (SAR) Thunder Radar Pod (TRP)		3,200
120	<b>F-15E SQUADRONS</b>	184,213	199,413
	F-15 AN/ALR-56C RWR Digital Receiver Upgrade		3,200
	F-15 AESA Development and Demonstration		12,000
122	<b>F-22 SQUADRONS</b>	700,305	607,305
	Funding for Engines Provided Previously		-38,000
	Program Growth		-35,000
	Lab Infrastructure Program Growth		-20,000
132	<b>JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)</b>	13,035	33,035
	JASSM Extended Range Development (Note: Transferred from MP_AF Line 2)		20,000
133	<b>AIR AND SPACE OPERATIONS CENTER (AOC)</b>	118,834	98,834
	ASOC increment 10.2 program delay		-20,000
141	<b>FIGHTER TACTICAL DATA LINK</b>	62,788	57,788
	Advanced Tactical Data Link program delay		-5,000
145	<b>JOINT SURVEILLANCE AND TARGET ATTACK RADAR SYSTEM</b>	97,641	81,541
	Funded in FY08 Supplemental - DMS		-36,100
	Multi Platform Radar Technology Improvement Program (MPRTIP) Integration and Test on JSTARS		20,000

R-1	Budget Request	Recommendation
<b>154 NATIONAL AIR INTELLIGENCE CENTER</b>		<b>1,360</b>
Air Cargo Tracking and Analysis/Secure Skies		1,360
<b>164 GLOBAL COMMAND AND CONTROL SYSTEM</b>	<b>3,218</b>	<b>7,218</b>
Command and Control Service Level Management (C2SLM) Program		4,000
<b>167 SPECIAL ACTIVITIES</b>		<b>5,600</b>
Massively Parallel Optical Interconnects (MPOI) for ISR Satellites		1,600
Radiation Hardened Microelectronics (HX5000) Carbon Nanotube Sensors		2,000
Ultralight Aerospace Nanotube Conductors		2,000
<b>170 ADVANCED GEOSPATIAL INTELLIGENCE</b>		<b>2,000</b>
Advanced Technical Intelligence Center		2,000
<b>184 NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT)</b>	<b>127,513</b>	<b>131,513</b>
Transportable Transponder Landing System		4,000
<b>190 INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS</b>	<b>1,237</b>	<b>3,637</b>
Warfighter Support Using HELIOS		2,400
<b>191 AIRBORNE RECONNAISSANCE SYSTEMS</b>	<b>149,752</b>	<b>104,152</b>
Blackswift - Unjustified Program		-50,000
Multiple UAS Cooperative Concentrated Observation and Engagement Against a Common Ground Objective		4,400
<b>192 MANNED RECONNAISSANCE SYSTEMS</b>	<b>12,819</b>	<b>17,859</b>
Rivet Joint ISR Network Integration		2,000
Combat Sent Wideband Sensor Upgrade Program		3,040
<b>194 PREDATOR UAV (JMIP)</b>	<b>24,773</b>	<b>37,173</b>
Predator Mission Aircrew Training System (PMATS) Upgrade		2,400
Center of Excellence for Defense UAV Education		4,000
Multi-Sensor Detect, See and Avoid		6,000
<b>195 GLOBAL HAWK UAV</b>	<b>284,292</b>	<b>311,507</b>
Program Execution		-15,000
Transferred from E-10 Line 87		42,215
<b>197 GPS III SPACE SEGMENT</b>	<b>420,342</b>	<b>393,342</b>
Contract Award Delay		-27,000
<b>201 NATIONAL SECURITY SPACE OFFICE</b>	<b>10,797</b>	<b>7,797</b>
Program Reduction		-3,000
<b>205 C-130 AIRLIFT SQUADRON</b>	<b>172,560</b>	<b>179,760</b>
Electromagnetic In-Flight Propeller Balancing System		2,000
C-130 Automated Inspection, Repair, Corrosion and Aircraft Tracking Condition-Based Maintenance Plus		3,200
NP 2000 Propeller System - Air National Guard Special Missions C-130		2,000
<b>206 C-5 AIRLIFT SQUADRONS</b>	<b>125,063</b>	<b>127,463</b>
Inductive Thermography Systems Inspection		2,400

R-1	Budget Request	Recommendation
<b>208 C-130J PROGRAM</b>	<b>52,354</b>	<b>27,354</b>
International Block Upgrade Savings		-25,000
<b>209 LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM)</b>	<b>32,100</b>	<b>36,500</b>
LAIRCM for AFSOC AC/MC-130 Aircraft		4,400
<b>214 AIR MOBILITY TACTICAL DATA LINK</b>		<b>8,000</b>
MAF-Data Link Integration (Note: Air Force requested transfer from APAF, Line 59)		8,000
<b>215 SPECIAL TACTICS / COMBAT CONTROL</b>	<b>5,728</b>	<b>7,728</b>
Next Generation Tactical Environmental Clothing for AFSOC		2,000
<b>217 ACQUISITION AND MANAGEMENT SUPPORT</b>	<b>34,428</b>	<b>37,228</b>
Acquisition Data Repository (ADR)		2,800
<b>218 INDUSTRIAL PREPAREDNESS</b>	<b>0</b>	<b>4,800</b>
Technology Insertion Demonstration and Evaluation (TIDE)		3,200
Laser Peening for Friction Stir Welded Aerospace Structures		1,600
<b>220 LOGISTICS INFORMATION TECHNOLOGY (LOGIT)</b>	<b>189,679</b>	<b>159,679</b>
ECSS Unjustified Growth/Program Delay		-30,000
<b>221 SUPPORT SYSTEMS DEVELOPMENT</b>	<b>8,145</b>	<b>46,945</b>
WR-ALC Strategic Airlift Aircraft Availability Improvement		3,360
Expeditionary 200 kW+ Alternative Power Generator		800
Micro-Grid Energy Storage Utilizing a Deployable Zinc-Bromide Flow Battery		1,600
Alternative Energy Fuel Cell Power		1,600
Accelerator-Driven Non-Destructive Testing		2,000
Eielson Air Force Base Alternative Energy Source Program		2,400
Technical Order Modernization Environment		1,440
Alternative Energy Research		20,000
Assessment of Alternative Energy for Aircraft Ground Equipment		1,600
Freedom Fuels/Coal Fuels Alliance		3,200
Warner Robbins Air Logistics Center Special Operations Forces		800
<b>223 OTHER PERSONNEL ACTIVITIES</b>	<b>116</b>	<b>1,116</b>
Expert Organization Development System (EXODUS)		1,000
<b>FINANCIAL MANAGEMENT INFORMATION SYSTEMS</b>		
<b>228 DEVELOPMENT</b>	<b>31,782</b>	<b>16,782</b>
DEAMS program delay		-15,000
<b>999 CLASSIFIED PROGRAMS</b>	<b>10,304,689</b>	<b>9,740,588</b>
Classified Programs		-579,941
Remote Suspect Identification		3,200
Thermal IR Processing and Exploitation Cell (TPEC)		2,400
Close Proximity Space Situational Awareness		640
Carbon Nanotube-based Radiation Hard Nano-Electronics Devices		7,200
Carbon Nanotube Enhanced Power Sources for Space		2,400

## MAUI SPACE SURVEILLANCE SYSTEM (MSSS)

The bill provides an increase of \$22,000,000 over the budget request for sustainment, investment in new technologies and initiatives, and research and development activities at MSSS. The Air Force is directed to base its overhead charges only on the amount requested. None of the increases provided here shall be subject to Air Force taxes or withholds. Furthermore, research funds should be allocated by Air Force officials on-site to local programs that offer the greatest potential return and merit.

## SPACE MAJOR FORCE PROGRAM

In the Fiscal Year 2008 Department of Defense Appropriations Act, the Secretary of Defense was directed to create a major force program category for space for the future years defense program of the Department of Defense. Further clarification toward this intent is required. The virtual major force program has been an established measure for several years and it is considered an acceptable foundation for development of the final space major force program inventory. The current virtual major force program includes space-based assets and the associated non-space, command, control, communications, and intelligence assets supporting the space systems.

Space systems are not just the satellites resident in the exo-atmosphere but also include the associated terminal programs. In the past, these terminal programs were desynchronized from the space platforms due to funding shortfalls and schedule delays. In the future, a tighter coupling of these programs is required. Therefore, these terminal programs must be included in the space major force program inventory. The Department of Defense is directed to implement the final space major force program prior to the submission of the fiscal year 2011 budget. Furthermore, six months after enactment of this Act, the Secretary of Defense is directed to report to the congressional defense committees the status of the population and development of the space major force program.

## MISSILE WARNING

The current Defense Support Program constellation of satellites is aging and needs to be replaced. The Air Force has been pursuing the Space Based Infrared Satellite System—geosynchronous (SBIRS—GEO) component for over a decade and the development is almost complete. A sister system, Space Based Infrared Satellite System—highly elliptical orbit (SBIRS—HEO) has launched, successfully initialized, and is providing extraordinary data, well beyond expectations. However, the SBIRS—HEO component is not fully integrated into the ground system, so the data products are not fully exploited. Therefore, the bill includes \$15,000,000 above the budget request to be used for increased SBIRS—HEO ground integration and data exploitation.

Furthermore, to date the Department of Defense has not planned for additional SBIRS—GEO satellites. In order to avoid a production break and the associated costs, the Department of Defense is directed to begin procurement of the fourth and fifth SBIRS—GEO satellites in the fiscal year 2010 budget request.



## NATIONAL SECURITY SPACE OFFICE

The original intent of the National Security Space Office (NSSO) was to provide the Executive Agent for Space with an analysis team that would make recommendations to the priorities, capabilities and budgets of both the Department of Defense and intelligence community space programs. In recent years, the NSSO has lost the support of the National Reconnaissance Office, which has provided no funding for the NSSO, and the Air Force and other Department of Defense organizations have used the NSSO as personal staff. The Secretary of Defense and the Director of National Intelligence are directed to assess the roles and responsibilities of the NSSO and to report back to the congressional defense committees by May 15, 2009.

## COAL TO LIQUID FUELS

The Congress understands that the Air Force is strongly committed to an energy strategy that looks to certify their entire fleet of aircraft on a synthetic fuel blend by 2011, with the intent to purchase 50 percent of their aviation fuel used in the United States in the form of a synthetic fuel blend by 2016. Part of this strategy involves examining the feasibility, cost effectiveness, and environmental impacts of building coal-to-liquid fuel (CTL) plants, utilizing enhanced-use leasing authorities. It is envisioned that these plants would be built in strategic locations, where there are abundant coal and water resources to operate these plants. Consistent with the Air Force vision and availability of resources necessary for a CTL plant, a total of \$10,000,000 is provided only to support Air Force efforts in siting and contracting for such a plant on Eielson Air Force Base. This funding is split between Operation and Maintenance, Air Force, and Research, Development, Test and Evaluation, Air Force accounts.

The Secretary of the Air Force is directed to submit a report to the congressional defense committees no later than April 1, 2009, which provides the framework for a joint partnership between the Department of Defense and a private developer, to include an associated milestone schedule, a preliminary design, engineering studies, and the plan to accomplish any required environmental work.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION,  
DEFENSE-WIDE

For Research, Development, Test and Evaluation, Defense-Wide, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST	
RESEARCH, DEVELOPMENT, TEST & EVAL, DEFENSE-WIDE				
BASIC RESEARCH				
1	DTRA UNIVERSITY STRATEGIC PARTNERSHIP BASIC RESEARCH..	18,000	22,400	+4,400
2	DEFENSE RESEARCH SCIENCES.....	195,657	203,037	+7,380
3	GOVERNMENT/INDUSTRY COSPONSORSHIP OF UNIVERSITY RESEAR	---	4,400	+4,400
4	DEFENSE EXPERIMENTAL PROGRAM TO STIMULATE COMPETITIVE	2,833	14,833	+12,000
5	NATIONAL DEFENSE EDUCATION PROGRAM.....	68,972	68,972	---
6	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	53,191	72,791	+19,600
	TOTAL, BASIC RESEARCH.....	338,653	386,433	+47,780
APPLIED RESEARCH				
7	INSENSITIVE MUNITIONS--EXPLORATORY DEVELOPMENT.....	15,254	15,254	---
9	HISTORICALLY BLACK COLLEGES & UNIV (HBCU) SCIENCE.....	15,156	41,556	+26,400
10	LINCOLN LABORATORY RESEARCH PROGRAM.....	31,340	31,340	---
11	INFORMATION AND COMMUNICATIONS TECHNOLOGY.....	254,009	252,109	-1,900
12	COGNITIVE COMPUTING SYSTEMS.....	145,262	145,262	---
13	BIOLOGICAL WARFARE DEFENSE.....	66,291	56,291	-10,000
14	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	203,731	234,131	+30,400
15	HUMAN, SOCIAL AND CULTURE BEHAVIOR MODELING (HSCB) APP	7,685	7,685	---
16	TACTICAL TECHNOLOGY.....	371,481	353,881	-17,600
17	MATERIALS AND BIOLOGICAL TECHNOLOGY.....	285,264	283,664	-1,600
18	WMD DEFEAT TECHNOLOGY.....	---	1,200	+1,200
19	ELECTRONICS TECHNOLOGY.....	211,457	199,937	-11,520
21	WEAPONS OF MASS DESTRUCTION DEFEAT TECHNOLOGIES.....	211,078	213,078	+2,000
23	SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT.....	23,104	38,504	+15,400
24	SOF MEDICAL TECHNOLOGY DEVELOPMENT.....	2,459	2,459	---
25	INSENSITIVE MUNITIONS - ADVANCED DEVELOPMENT.....	15,970	9,970	-6,000
	TOTAL, APPLIED RESEARCH.....	1,859,541	1,886,321	+26,780

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST	
26	ADVANCED TECHNOLOGY DEVELOPMENT SO/LIC ADVANCED DEVELOPMENT.....	32,832	33,632	+800
27	COMBATING TERRORISM TECHNOLOGY SUPPORT.....	79,970	123,690	+43,720
28	COUNTERPROLIFERATION INITIATIVES--PROLIF PREV & DEFEAT	211,325	219,645	+8,320
29	BALLISTIC MISSILE DEFENSE TECHNOLOGY.....	118,718	119,718	+1,000
30	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT.....	23,727	23,727	---
31	ADVANCED AEROSPACE SYSTEMS.....	107,857	87,857	-20,000
32	SPACE PROGRAMS AND TECHNOLOGY.....	287,009	227,009	-60,000
33	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - ADVANCED DEV	337,927	316,827	-21,100
34	JOINT ELECTRONIC ADVANCED TECHNOLOGY.....	9,320	10,520	+1,200
35	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS.....	206,337	208,237	+1,900
36	NETWORKED COMMUNICATIONS CAPABILITIES.....	39,923	29,923	-10,000
37	BIOMETRICS SCIENCE AND TECHNOLOGY.....	10,579	10,579	---
38	HUMAN, SOCIAL AND CULTURE BEHAVIOR MODELING (HSCB) ADV	9,381	9,381	---
39	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROG	11,981	18,381	+6,400
40	JOINT ROBOTICS PROGRAM/AUTONOMOUS SYSTEMS.....	8,449	9,249	+800
41	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS.....	19,375	76,135	+56,760
42	DEPLOYMENT AND DISTRIBUTION ENTERPRISE TECHNOLOGY.....	30,000	30,000	---
43	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM.....	69,038	69,038	---
44	MICROELECTRONIC TECHNOLOGY DEVELOPMENT AND SUPPORT....	---	32,480	+32,480
45	JOINT WARFIGHTING PROGRAM.....	11,098	12,098	+1,000
46	ADVANCED ELECTRONICS TECHNOLOGIES.....	201,146	200,046	-1,100
47	SYNTHETIC APERTURE RADAR (SAR) COHERENT CHANGE DETECT.	7,984	7,984	---
48	ADVANCED CONCEPT TECHNOLOGY DEMONSTRATIONS.....	---	1,200	+1,200
49	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM.....	208,079	221,559	+13,480
50	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS.....	338,964	328,964	-10,000
52	CLASSIFIED DARPA PROGRAMS.....	196,697	196,697	---
53	NETWORK-CENTRIC WARFARE TECHNOLOGY.....	156,733	154,433	-2,300
54	SENSOR TECHNOLOGY.....	226,470	218,070	-8,400
55	GUIDANCE TECHNOLOGY.....	110,572	108,272	-2,300
56	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT..	13,538	13,538	---
57	SOFTWARE ENGINEERING INSTITUTE.....	31,244	31,244	---
59	QUICK REACTION SPECIAL PROJECTS.....	113,924	107,385	-6,539
60	JOINT EXPERIMENTATION.....	114,947	109,377	-5,570
61	JOINT WARGAMING SIMULATION MANAGEMENT OFFICE.....	38,147	33,787	-4,360

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
62 TEST & EVALUATION SCIENCE & TECHNOLOGY.....	94,672	94,672	---
63 TECHNOLOGY LINK.....	2,170	5,770	+3,600
64 SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT....	28,930	61,250	+32,320
65 SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT....	10,990	10,990	---
TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	3,520,053	3,573,364	+53,311
DEMONSTRATION & VALIDATION			
66 NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT .	38,758	50,158	+11,400
68 RETRACT LARCH.....	22,945	22,945	---
69 JOINT ROBOTICS PROGRAM.....	11,847	11,847	---
70 ADVANCE SENSOR APPLICATIONS PROGRAM.....	---	16,000	+16,000
71 ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM	31,600	38,904	+7,304
72 BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT....	1,019,073	959,973	-59,100
73 BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT...	2,076,662	1,512,662	-564,000
73a TWO STAGE INTERCEPTOR SEGMENT.....	---	363,250	+363,250
73b EUROPEAN MIDCOURSE RADAR.....	---	76,800	+76,800
73c EUROPEAN GLOBAL ENGAGEMENT MANGER/U.S. COMMUNICATIONS.	---	27,100	+27,100
74 BALLISTIC MISSILE DEFENSE BOOST DEFENSE SEGMENT.....	421,229	402,129	-19,100
75 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	51,291	62,891	+11,600
76 BALLISTIC MISSILE DEFENSE SENSORS.....	1,076,983	770,232	-306,751
77 BALLISTIC MISSILE DEFENSE SYSTEM INTERCEPTOR.....	386,817	386,817	---
78 BALLISTIC MISSILE DEFENSE TEST & TARGETS.....	665,445	914,845	+249,400
79 BALLISTIC MISSILE DEFENSE SYSTEMS CORE.....	432,262	404,162	-28,100
80 SPECIAL PROGRAMS - MDA.....	288,315	176,315	-112,000
81 AEGIS BMD.....	1,157,783	1,117,483	-40,300
82 SPACE SURVEILLANCE & TRACKING SYSTEM.....	242,441	209,641	-32,800
83 MULTIPLE KILL VEHICLES.....	354,455	284,455	-70,000
84 BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS.....	29,771	24,771	-5,000
85 BALLISTIC MISSILE DEFENSE C2BMC.....	289,277	289,277	---
86 BALLISTIC MISSILE DEFENSE HERCULES.....	55,955	55,955	---
87 BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT....	69,982	69,982	---
88 BALLISTIC MISSILE DEFENSE JOINT NATIONAL INTERGRATION.	96,404	106,404	+10,000
90 REGARDING TRENCH.....	2,978	2,978	---
91 SEA BASED X-BAND RADAR (SBX).....	---	147,400	+147,400
92 HUMANITARIAN DEMINING.....	14,373	14,373	---
93 COALITION WARFARE.....	14,030	13,319	-711

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
94 DEPARTMENT OF DEFENSE CORROSION PROGRAM.....	5,102	22,402	+17,300
95 JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS.....	14,962	13,562	-1,400
96 HUMAN, SOCIAL AND CULTURE BEHAVIOR MODELING (HSCB) RES	5,991	5,991	---
97 JOINT SYSTEMS INTEGRATION COMMAND (JSIC).....	19,643	19,643	---
98 JOINT FIRES INTEGRATION & INTEROPERABILITY TEAM.....	16,906	16,906	---
99 REDUCTION OF TOTAL OWNERSHIP COST.....	24,765	24,765	---
100 JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM.....	3,524	5,524	+2,000
101 DEFENSE ACQUISITION CHALLENGE PROGRAM (DACP).....	30,363	28,566	-1,797
102 NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT .	4,355	4,355	---
103 PROMPT GLOBAL STRIKE.....	117,572	74,572	-43,000
TOTAL, DEMONSTRATION & VALIDATION.....	9,093,859	8,749,354	-344,505
ENGINEERING & MANUFACTURING DEVELOPMENT			
104 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	299,373	304,173	+4,800
105 JOINT ROBOTICS PROGRAM.....	5,725	5,725	---
106 ADVANCED IT SERVICES JOINT PROGRAM OFFICE (AITS-JPO)..	13,770	13,770	---
107 JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)	20,600	20,600	---
108 WEAPONS OF MASS DESTRUCTION DEFEAT CAPABILITIES.....	15,946	15,946	---
109 INFORMATION TECHNOLOGY DEVELOPMENT.....	11,611	12,411	+800
110 DEFENSE INTEGRATED MILITARY HUMAN RESOURCES SYSTEM....	37,400	37,400	---
111 BUSINESS TRANSFORMATION AGENCY R&D ACTIVITIES.....	148,958	148,958	---
112 HOMELAND PERSONNEL SECURITY INITIATIVE.....	400	400	---
113 TRUSTED FOUNDRY.....	42,360	42,360	---
114 DEFENSE ACQUISITION EXECUTIVE (DAE) PILOT PROGRAM.....	5,883	5,883	---
116 GLOBAL COMBAT SUPPORT SYSTEM.....	18,604	18,604	---
117 JOINT COMMAND AND CONTROL PROGRAM (JC2).....	147,339	57,339	-90,000
TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	767,969	683,569	-84,400
RDT&E MANAGEMENT SUPPORT			
118 TRAINING TRANSFORMATION (T2).....	38,729	58,329	+19,600
119 DEFENSE READINESS REPORTING SYSTEM (DRRS).....	11,385	11,385	---
120 JOINT SYSTEMS ARCHITECTURE DEVELOPMENT.....	14,310	14,310	---
121 CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT....	133,852	152,852	+19,000
122 THERMAL VICAR.....	9,658	9,658	---
123 JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC).....	8,834	8,834	---
124 TECHNICAL STUDIES, SUPPORT AND ANALYSIS.....	34,520	36,520	+2,000

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
125 USD(A&T)--CRITICAL TECHNOLOGY SUPPORT.....	4,007	4,007	---
126 FOREIGN MATERIAL ACQUISITION AND EXPLOITATION.....	62,816	62,816	---
127 JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION....	55,282	55,282	---
128 CLASSIFIED PROGRAM USD(P).....	---	102,000	+102,000
129 FOREIGN COMPARATIVE TESTING.....	34,910	34,910	---
130 NUCLEAR MATTERS - PHYSICAL SECURITY.....	4,475	4,475	---
131 SUPPORT TO NETWORKS AND INFORMATION INTEGRATION.....	14,723	14,723	---
132 GENERAL SUPPORT TO USD (INTELLIGENCE).....	4,379	4,379	---
133 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	100,082	100,082	---
139 SMALL BUSINESS INNOVATION RESEARCH/CHALLENGE ADMINISTR	2,165	5,765	+3,600
140 DEFENSE TECHNOLOGY ANALYSIS.....	11,040	11,040	---
142 FORCE TRANSFORMATION DIRECTORATE.....	20,701	23,201	+2,500
143 DEFENSE TECHNICAL INFORMATION CENTER (DTIC).....	52,696	52,696	---
144 R&D IN SUPPORT OF DOD ENLISTMENT, TESTING & EVALUATION	25,435	18,435	-7,000
145 DEVELOPMENT TEST AND EVALUATION.....	20,396	23,596	+3,200
146 DARPA AGENCY RELOCATION.....	28,000	28,000	---
147 MANAGEMENT HEADQUARTERS (RESEARCH & DEVELOPMENT).....	52,700	48,700	-4,000
148 BUDGET AND PROGRAM ASSESSMENTS.....	5,878	5,878	---
151 SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES...	30,039	35,159	+5,120
152 INFORMATION TECHNOLOGY RAPID ACQUISITION.....	5,254	5,254	---
153 CYBER SECURITY INITIATIVE.....	50,000	50,000	---
154 INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS (IO)...	17,625	17,625	---
155 INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS(IO)(NSA	---	1,200	+1,200
156 WARFIGHTING AND INTELLIGENCE-RELATED SUPPORT.....	831	831	---
157 PENTAGON RESERVATION.....	19,734	19,734	---
158 MANAGEMENT HEADQUARTERS - MDA.....	86,453	81,453	-5,000
159 IT SOFTWARE DEV INITIATIVES.....	599	599	---
TOTAL, RDT&E MANAGEMENT SUPPORT.....	961,508	1,103,728	+142,220
OPERATIONAL SYSTEMS DEVELOPMENT			
160 DEFENSE INFORMATION SYSTEM FOR SECURITY (DISS).....	11,533	5,533	-6,000
161 PARTNERSHIP FOR PEACE (PFP) INFORMATION MANAGEMENT SYS	2,496	2,496	---
162 CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS D	10,274	12,674	+2,400
163 JOINT INTEGRATION AND INTEROPERABILITY.....	49,371	49,371	---
164 JOINT STAFF ANALYTICAL SUPPORT.....	8,030	8,030	---
165 CLASSIFIED PROGRAMS.....	1,728	1,728	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
166 C4I INTEROPERABILITY.....	76,226	76,226	---
167 CRYPTOLOGIC ACTIVITIES.....	---	3,200	+3,200
168 JOINT/ALLIED COALITION INFORMATION SHARING.....	19,073	19,073	---
177 NATIONAL MILITARY COMMAND SYSTEM-WIDE SUPPORT.....	615	615	---
178 DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATIO	16,054	16,054	---
179 LONG HAUL COMMUNICATIONS (DCS).....	8,508	8,508	---
180 MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK....	9,685	9,685	---
181 PUBLIC KEY INFRASTRUCTURE (PKI).....	15,577	15,577	---
182 KEY MANAGEMENT INFRASTRUCTURE (KMI).....	49,578	49,578	---
183 INFORMATION SYSTEMS SECURITY PROGRAM.....	13,459	13,459	---
184 INFORMATION SYSTEMS SECURITY PROGRAM.....	394,074	403,574	+9,500
186 DISA MISSION SUPPORT OPERATIONS.....	2,181	2,181	---
187 C4I FOR THE WARRIOR.....	3,662	3,662	---
189 GLOBAL COMMAND AND CONTROL SYSTEM.....	36,374	36,374	---
190 JOINT SPECTRUM CENTER.....	19,319	19,319	---
191 NET-CENTRIC ENTERPRISE SERVICES (NCES).....	429	429	---
192 TELEPORT PROGRAM.....	2,060	2,060	---
193 SPECIAL APPLICATIONS FOR CONTINGENCIES.....	16,225	26,325	+10,100
195 DEFENSE GEOSPATIAL-INTELLIGENCE.....	---	1,600	+1,600
196 CYBER SECURITY INITIATIVE.....	1,000	1,000	---
198 CYBER SECURITY INITIATIVE.....	12,800	12,800	---
199 CRITICAL INFRASTRUCTURE PROTECTION (CIP).....	12,700	17,900	+5,200
201 DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES.....	2,947	2,947	---
203 POLICY R&D PROGRAMS.....	8,237	8,237	---
206 NET CENTRICITY.....	12,716	12,716	---
210 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.....	3,165	765	-2,400
213 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.....	3,227	3,227	---
215 MQ-1 PREDATOR A UAV.....	13,679	13,679	---
218 COMBATANT COMMAND INTELLIGENCE OPERATIONS.....	---	12,880	+12,880
225 INDUSTRIAL PREPAREDNESS.....	20,480	55,280	+34,800
226 LOGISTICS SUPPORT ACTIVITIES.....	2,846	2,846	---
227 MANAGEMENT HEADQUARTERS (JCS).....	3,401	3,401	---
228 NATO JOINT STARS.....	27,756	27,756	---
231 SPECIAL OPERATIONS AVIATION SYSTEMS ADVANCED DEV.....	43,977	44,777	+800

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
232 SPECIAL OPERATIONS TACTICAL SYSTEMS DEVELOPMENT.....	13,263	26,263	+13,000
233 SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT...	39,125	39,974	+849
234 SOF OPERATIONAL ENHANCEMENTS.....	48,137	55,337	+7,200
235 SPECIAL OPERATIONS CV-22 DEVELOPMENT.....	38,229	40,229	+2,000
237 OPS ADVANCED SEAL DELIVERY SYSTEM (ASDS) DEVELOPMENT..	7,090	8,690	+1,600
238 MISSION TRAINING AND PREPARATION SYSTEMS (MTPS).....	4,052	5,652	+1,600
239 UNMANNED VEHICLES (UV).....	1,527	43,927	+42,400
240 MC130J SOF TANKER RECAPITALIZATION.....	4,659	4,659	---
241 SOF WEAPONS SYSTEMS.....	2,759	2,559	-200
242 SOF SOLDIER PROTECTION AND SURVIVAL SYSTEMS.....	3,190	3,190	---
243 SOF VISUAL AUGMENTATION, LASERS & SENSOR SYSTEMS.....	3,495	6,986	+3,491
244 SOF ROTARY WING AVIATION.....	3,822	1,647	-2,175
245 SOF UNDERWATER SYSTEMS.....	3,142	5,542	+2,400
246 SOF SURFACE CRAFT.....	5,206	5,206	---
247 SOF PSYOP.....	15,554	15,554	---
248 SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES.....	14,686	14,686	---
249 SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE.....	8,729	8,729	---
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	1,152,127	1,296,372	+144,245
999 CLASSIFIED PROGRAMS.....	3,805,519	3,744,197	-61,322
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, DEF-WIDE.	21,499,229	21,423,338	-75,891



EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

R-1	Budget Request	Recommendation
<b>1 DTRA UNIVERSITY STRATEGIC PARTNERSHIP BASIC RESEARCH</b>	<b>18,000</b>	<b>22,400</b>
Dual Use Technologies for Bio-Defense: Drug Design and Delivery of Novel Therapeutics		1,200
University Strategic Partnership		3,200
<b>2 DEFENSE RESEARCH SCIENCES</b>	<b>195,657</b>	<b>203,037</b>
Infections Disease Research (AMNH) for Defense Research Sciences		2,000
Bio-Butanol Production Research		2,000
Institute for Collaborative Sciences Research		1,200
Ultra Photonics Program		1,280
Reduction to fiscal year 2009 new starts		-4,000
Advanced Materials Research Institute		2,400
Institute for Information Security		2,500
<b>3 GOVERNMENT/INDUSTRY COSPONSORSHIP OF UNIVERSITY RESEARCH</b>	<b>0</b>	<b>4,400</b>
Research of Chemical and Biological Warfare Agents		800
Shock Trauma Research Center		2,000
Integrated Cryo-cooled High Power Density Systems		1,600
<b>4 DEFENSE EXPERIMENTAL PROGRAM TO STIMULATE COMPETITIVE</b>	<b>2,833</b>	<b>14,833</b>
Program Enhancement		12,000
<b>6 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</b>	<b>53,191</b>	<b>72,791</b>
Continued Expansion of Prototypes for the Destruction of Airborne Pathogens Project		800
Defense Through Early Containment		1,200
High Speed, High Volume Laboratory Network for Infectious Diseases		5,000
Novel Viral Biowarfare Agent Identification and Treatment (NOVBAIT)		4,000
Zumwalt National Program for Countermeasures to Biological and Chemical Threats		1,200
Mismatch Repair Derived Antibody Medicines to Treat Staphylococcus-derived Bioweapons		1,600
DNA Safeguard		1,200
In Vitro Models for Biodefense Vaccine		1,000
Protection from Oxidative Stress		1,600
Superstructural Particle Evaluation and Characterization with Targeted Reaction Analysis (SPECTRA)		1,200
Vaccine Development Program		800
<b>9 HISTORICALLY BLACK COLLEGES &amp; UNIVERSITIES AND MINORITY SERVING INSTITUTIONS- SCIENCE</b>	<b>15,156</b>	<b>41,556</b>
Morehouse College, John Hopps Program		1,600
Defense Leadership and Technology Initiative		2,400
Program Increase		20,000
Instrumentation Program for Tribal Colleges		2,400

R-1	Budget Request	Recommendation
<b>11 INFORMATION AND COMMUNICATIONS TECHNOLOGY</b>	<b>254,009</b>	<b>252,109</b>
Software Assurance Education and Research Institute		800
National Repository of Digital Forensic Intelligence (NRDFI) and the Center for Telecommunications and Network Security (CTANS)		1,200
Intelligent Remote Sensing for Urban Warfare Operations		2,400
Reduction to fiscal year 2009 new starts		-7,900
Document Analysis and Exploitation		1,600
<b>13 BIOLOGICAL WARFARE DEFENSE</b>	<b>66,291</b>	<b>56,291</b>
Program Execution Delays		-10,000
<b>14 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</b>	<b>203,731</b>	<b>234,131</b>
Biosurety Development and Management Program		1,200
Botulinum Neurotoxin Research		1,600
Chemical Warfare Agent Fate Appropriate Response Tool		1,600
Countermeasures to Chemical/Biological Control-Rapid Response		2,400
HyperAcute Vaccine Development		2,400
Miniaturized Chemical Detector for Chemical Warfare Protection (ChemPen)		1,600
Mixed Oxidants for Chem Bio Decontamination		2,800
Multiple Applications for Light Activated, Reactive Materials for the Protection of the Warfighter, First Responder, and Public Health		1,600
Rapid Forensic Evaluation of Microbes in Biodefense		1,000
Chemical/Biological Preparedness Center for Advanced Development of Mobile Rapid Response Prototypes		4,000
Preventing long-term brain and lung damage caused by battlefield trauma project		2,900
TMTI - Reduction to new starts		-7,000
Antibody-Based Therapeutic Against Smallpox		800
Chemical/Biological Infrared Detection System		1,200
Contaminated Human Remains Pouch		1,600
Multivalent Marburg, Ebola Filovirus Vaccine Program		3,500
Novel System for Developing Therapeutics Against Botulism		4,000
Research on a Molecular Approach to Hazardous Materials Decontamination		1,200
Ultra-rapid Next Generation Pathogen identification		2,000
<b>16 TACTICAL TECHNOLOGY</b>	<b>371,481</b>	<b>353,881</b>
Program Execution Delays		-30,000
Explosively Formed Projectile Iron Curtain		800
SeaCatcher UAS Launch and Recovery System		1,600
CEROS		10,000
<b>17 MATERIALS AND BIOLOGICAL TECHNOLOGY</b>	<b>285,264</b>	<b>283,664</b>
Program Execution Delays		-10,000
Strategic Materials and Silicon Carbide Optics		4,400
Synthetic Fuel Innovation		4,000
<b>18 WMD DEFEAT TECHNOLOGY</b>	<b>0</b>	<b>1,200</b>
Center for Nonproliferation Studies, Monterey Institute for International Affairs		1,200

R-1	Budget Request	Recommendation
<b>19 ELECTRONICS TECHNOLOGY</b>	<b>211,457</b>	<b>199,937</b>
3-D Technology for Advanced Sensor Systems		1,440
Indium Based Nitride Technology Development		3,000
Reduction to fiscal year 2009 new starts		-16,200
Secure Media and ID Card Development		240
<b>21 WEAPONS OF MASS DESTRUCTION DEFEAT TECHNOLOGIES</b>	<b>211,078</b>	<b>213,078</b>
Comprehensive National Incident Management System		2,000
<b>23 SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT</b>	<b>23,104</b>	<b>38,504</b>
Miniature, Remote Wideband Survey, Collection, and Recording System		800
Advanced Craft Technology Demonstrators to Quantify and Mitigate Operator Injury		2,000
Flashlight Soldier-to-Soldier Combat Identification System (FSCIS)		5,600
Technology Infusion Cell (TIC)		1,000
Extended-Lifetime Radioisotope Batteries		1,600
Unified Management Infrastructure System		1,200
Foliage Penetrating Reconnaissance and Surveillance System		3,200
<b>25 INSENSITIVE MUNITIONS - ADVANCED DEVELOPMENT</b>	<b>15,970</b>	<b>9,970</b>
Excessive growth		-6,000
<b>26 SOLIC ADVANCED DEVELOPMENT</b>	<b>32,832</b>	<b>33,632</b>
Long-range Tagging and Locating System		800
<b>27 COMBATING TERRORISM TECHNOLOGY SUPPORT</b>	<b>79,970</b>	<b>123,690</b>
Biometric Terrorist Watch-List Database Management Development		1,600
Covert Sensing and Tagging System (CSTS)		1,200
Combating Terrorism Technology Support Office/STAR-TEC Partnership Program		2,400
Improved LAS Glass-Ceramic Laminated Armored Window Systems		1,600
EDIT Technology for Counter-Tunnel Operations and Cache Detection		800
Facial Recognition Technology Initiative		2,000
Facility Security Using Tactical Surveys		3,000
Low-Cost Stabilized Turret		1,600
Machine Augmented Composite Armor		800
Military/Law Enforcement Counterterrorism Test Bed		2,400
Port and Hull Security 3D, Real Time Sonar System - Echoscope		1,600
Roll-On, Roll-Off Reconnaissance, Surveillance, and Special Mission Palletized System		4,000
Tactical Biometrics Operating and Surveillance System (TBOSS)		1,600
Ultra Portable Unmanned Surveillance Helicopter		1,000
Validation of an Enhanced Urban Air Blast Tool		2,400
SOF Unattended Sensor Network (Note: only for SBIR SOCOM 03-004)		1,280
Radio Inter-Operability System (RIOS)		800
BOPPER (Bioterrorism Operations Policy for Public Emergency Response)		1,200
Document and Media Search and Discovery (DMSD)		1,440
Ex-RAD Radiation Protection Program		5,000
Full Scale Impact and Blast Loading Laboratory Testing Program		1,600
Remote Sensor Network Services Platform		2,000

R-1	Budget Request	Recommendation
Robotic Mobility Platform System		1,200
Unmanned Aerial Vehicle Avionics Upgrade (UAVAU)		1,200
<b>28 COUNTERPROLIFERATION INITIATIVES--PROLIFERATION PREVENTION &amp; DEFEAT</b>	<b>211,325</b>	<b>219,645</b>
AELED IED Electronic Signature Detection		3,200
Continuation of Advanced Materials (Mercuric Iodide) Research for Nuclear Detection, Counter-Proliferation and Imaging for CBRNE Special Operations		800
National Nuclear Security Agency (NNSA) Metals Declassification for Reuse by DoD in Armaments		2,720
Next Generation Intelligent Portable Radionuclide Detection and Identification Systems		1,600
<b>29 BALLISTIC MISSILE DEFENSE TECHNOLOGY</b>	<b>118,718</b>	<b>119,718</b>
General Reduction		-5,000
Night Vision Sensor		1,000
Multiple Target Tracking Optical Sensor Array Technology		5,000
<b>31 ADVANCED AEROSPACE SYSTEMS</b>	<b>107,857</b>	<b>87,857</b>
Unexecutable growth		-20,000
<b>32 SPACE PROGRAMS AND TECHNOLOGY</b>	<b>287,009</b>	<b>227,009</b>
Blackswift		-60,000
<b>33 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - ADVANCED DEVELOPMENT</b>	<b>337,927</b>	<b>316,827</b>
Transformational Medical Tech Initiative- excessive Growth in New Starts		-63,000
Antioxiant Micronutrient Therapeutic Countermeasures for Chemical Agents		800
Bio Agent Early Warning Detector		2,000
Carbon Nanotube Chemical Detector		800
Continuation of Industry Based Research into Biological Agent Identifiers without Wet Reagents		1,600
Eye-Safe Long Range Stand-off System for Detection of Chemical and Biological Weapons		1,500
Mobile Continuous Air Monitor (MCAM)		1,600
Nano Porous Hollow Fiber Regenerative Chemical Filter		1,000
Photo Catalytic Oxidation (PCO) Demonstration for Water Reuse		2,400
Protective Self-Decontaminating Surfaces		1,600
Surface Enhanced Infrared Detection of Threats		1,200
Total Perimeter Surveillance		1,000
Portable Rapid Bacterial Warfare Detection Unit		4,000
Rapid Response Institute		3,200
Liquid Crystal Sensor Technology Research and Development for Force Protection		2,400
Acinetobacter Baumannii Research		2,000
Advanced Development of Mobile Rapid Response Prototypes		1,600
Biodefense Vaccine Development and Engineering of Antiviral Peptides		1,600
Center for Advanced Emergency Response		4,400
Improved Chemical, Biological, and Radiological Filters		1,600
Multi-Purpose Biodefense Immunoarray		800
NIDS Improved Handheld Biological Agent Detector		1,600
Plant Vaccine Development		1,600
ViriChip Rapid Virus Detection Systems		1,600

R-1	Budget Request	Recommendation
<b>34 JOINT ELECTRONIC ADVANCED TECHNOLOGY</b>	<b>9,320</b>	<b>10,520</b>
Advanced Tactical Laser Flashlight Devices		1,200
<b>35 JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS</b>	<b>206,337</b>	<b>208,237</b>
Distributed Network Switching		2,000
Reduction to execution year new starts		-7,000
Maritime UAS Demonstration for the SOUTHCOM Region		3,000
Simultaneous Field Radiation Technology (SFRT)		2,300
Spartan Advanced Composite Technology		1,600
<b>36 NETWORKED COMMUNICATIONS CAPABILITIES</b>	<b>39,923</b>	<b>29,923</b>
Unsustained growth		-10,000
<b>39 DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM</b>	<b>11,981</b>	<b>18,381</b>
High Performance Manufacturing Technology Initiative		6,400
<b>40 JOINT ROBOTICS PROGRAM/AUTONOMOUS SYSTEMS</b>	<b>8,449</b>	<b>9,249</b>
Joint Ground Robotics Enterprise Modeling, Simulation, Analysis Project		800
<b>41 GENERIC LOGISTICS R&amp;D TECHNOLOGY DEMONSTRATIONS</b>	<b>19,375</b>	<b>76,135</b>
Advanced Mobile Microgrid		2,720
Aging Systems Sustainment and Enabling Technologies		2,000
Connectory Expansion for Rapid Identification of Technology Sources for DoD		400
Florida Defense Manufacturing Supply Chain Initiative		2,000
High-Pressure Mobile Water Delivery System		800
On-Site Alternative Fuel Manufacturing System		1,200
Reliability Testing of Lead-Free Circuits/Components		1,440
New England Defense Manufacturing Supply Chain Initiative		800
Smart, Modular Regenerative Off-Grid Hydrogen Fuel Cell		1,000
Energy Strategy for the Department of Defense		20,000
Alternative Energy from Organic Sources		6,000
Biofuels Program		1,600
Commodity Management System Consolidation Program		1,600
Continuous Acquisition and Life-Cycle (CALs) and Integrated Data		
Environment and Defense Logistics Enterprise Services Program		3,200
Defense Fuelcell Locomotive		2,000
Emerging Critical Interconnection Tech		2,000
Vehicle Fuel Cell and Hydrogen Logistics Program		8,000
<b>44 MICROELECTRONIC TECHNOLOGY DEVELOPMENT AND SUPPORT</b>	<b>0</b>	<b>32,480</b>
3-D Electronics and Power		2,400
Agile JTRS Integrated Circuits		1,600
Carbon Nanotube Thin Film Devices for Portable Power		1,600
Defense Command Integration Center		880
Electronics and Materials for Flexible Sensors and Transponders (EMFST)		3,200
Feature Size Migration at DMEA AMRS Boundary		2,000
Scalable Topside Array Radar Demonstrator		800
Spintronics Memory Storage Technology		2,400
Superlattice Nanotechnology		2,000
X-Band/W-Band Solid State Power Amplifier		1,600
Semiconductor Photomask Technology Infrastructure Initiative		2,400
C-Scout Container Security System		2,400

R-1	Budget Request	Recommendation
High Performance Tunable Materials		2,400
Smart Bomb Millimeter Wave Radar Guidance System		2,000
Tunable MicroRadio for Military Systems		4,800
<b>45 JOINT WARFIGHTING PROGRAM</b>	<b>11,098</b>	<b>12,098</b>
UAV Situational Awareness System		1,000
<b>46 ADVANCED ELECTRONICS TECHNOLOGIES</b>	<b>201,146</b>	<b>200,046</b>
Hybrid Power Generation System		1,200
Reduction to fiscal year 2009 new starts		-14,900
Center for Autonomous Solar Power (CASP) large-area, flexible PV energy research		4,000
Institute of Advanced Flexible Manufacturing Systems		7,000
Ultra Low Power Electronics for Special Purpose Computers		1,600
<b>48 ADVANCED CONCEPT TECHNOLOGY DEMONSTRATIONS</b>	<b>0</b>	<b>1,200</b>
Advanced Emergency Response Integrated Environment (AERIE)		1,200
<b>49 HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM</b>	<b>208,079</b>	<b>221,559</b>
Naval Research Lab Supercomputing Information Prototype		2,800
Arctic Regional Supercomputer		3,200
High Performance Computational Design of Novel Materials		2,480
MHPCC		5,000
<b>50 COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS</b>	<b>338,964</b>	<b>328,964</b>
Growth reduction for program execution		-10,000
<b>53 NETWORK-CENTRIC WARFARE TECHNOLOGY</b>	<b>156,733</b>	<b>154,433</b>
Reduction to fiscal year 2009 new starts		-2,300
<b>54 SENSOR TECHNOLOGY</b>	<b>226,470</b>	<b>218,070</b>
Reduction to fiscal year 2009 new starts		-8,400
<b>55 GUIDANCE TECHNOLOGY</b>	<b>110,572</b>	<b>108,272</b>
Reduction to fiscal year 2009 new starts		-2,300
<b>59 QUICK REACTION SPECIAL PROJECTS</b>	<b>113,924</b>	<b>107,385</b>
Reduction to execution year new starts		-9,339
Augmented Reality to enhance Special Warfare Domain Awareness		1,600
Unmanned Aerial Vehicles		1,200
<b>60 JOINT EXPERIMENTATION</b>	<b>114,947</b>	<b>109,377</b>
Reduction for excessive growth		-6,770
Collaboration Gateway		1,200
<b>61 JOINT WARGAMING SIMULATION MANAGEMENT OFFICE</b>	<b>38,147</b>	<b>33,787</b>
Modeling and Simulation Standards Development		640
Program adjustment		-5,000
<b>63 TECHNOLOGY LINK</b>	<b>2,170</b>	<b>5,770</b>
First Link		2,000
MilTech Expansion Program		1,600

R-1	Budget Request	Recommendation
<b>64 SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT</b>	<b>28,930</b>	<b>61,250</b>
Hostile Fire Indicating System		800
Field Experimentation Program for Special Operations		1,600
Partnership for Defense Innovation Wi-Fi		
Laboratory Testing and Assessment Center		2,000
Improved Information Transfer for Special Forces		2,400
Advanced Distributed Aperture System		21,120
Micro-power Special Operations Generator		1,600
Autonomous Rendezvous/Formation Flight		2,000
Small Assault Vehicle Expeditionary (SAVE)		800
<b>66 NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT</b>	<b>38,758</b>	<b>50,158</b>
Terahertz High-Resolution Portable Explosives Detector		800
Camp Guernsey Joint Training and Experimentation Center		6,000
Intelligent Decision Exploration		3,600
Pacific Data Conversion and Technology Program		1,000
<b>70 ADVANCED SENSOR APPLICATIONS PROGRAM</b>	<b>0</b>	<b>16,000</b>
Program adjustment		16,000
<b>71 ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM</b>	<b>31,600</b>	<b>38,904</b>
Environmentally Friendly Nanometal Electroplating Processes for Cadmium and Chromium Replacement		5,304
Inland Empire Perchlorate Wellhead Treatment		2,000
<b>72 BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT</b>	<b>1,019,073</b>	<b>959,973</b>
Transfer to Procurement, Defense-Wide Line 95		-65,000
Arrow-Upper Tier		30,000
Arrow-Short Range BMD		28,000
Target funding transfer to Line 78		-52,100
<b>73 BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE</b>	<b>2,076,662</b>	<b>1,512,662</b>
Long lead for 2-Stage Interceptors (EIS) (Note: Transfer to Line 73A)		-19,200
Target funding (Note: Transfer to Line 78)		-104,000
GMD upgrades and enhancements		40,000
2-Stage Interceptor Development (Note: Transfer to Line 73A)		-182,900
Missile Field Equipment and Supporting Activities (EIS) (Note: Transfer to Line 73A)		-165,100
Site Planning/ Design/ Activation (EIS) (Note: Transfer to Line 73A)		-65,500
Communications (EIS) (Note: Transfer to Line 73A)		-26,200
European Global Engagement Manager (Note: Transfer to Line 73C)		-26,700
U.S. Communications for European Sites (Note: Transfer to Line 73C)		-14,400

R-1	Budget Request	Recommendation
<b>73A STAGE TWO INTERCEPTOR SEGMENT</b>	<b>0</b>	<b>363,250</b>
2-Stage Interceptor Development (Note: Transfer from Line 73)		182,900
Long lead for 2-Stage Interceptors (EIS) (Note: Transfer from Line 73)		19,200
Missile Field Equipment and Supporting Activities (EIS) (Note: Transfer from Line 73)		82,550
Site Planning/ Design/ Activation (EIS) (Note: Transfer from Line 73)		65,500
Communications (EIS) (Note: Transfer from Line 73)		13,100
<b>73B EUROPEAN MIDCOURSE RADAR</b>	<b>0</b>	<b>76,800</b>
Sensor Equipment (Note: Transfer from Line 76)		44,900
Site Planning/ Design/ Activation (Note: Transfer from Line 76)		15,800
Communications (Note: Transfer from Line 76)		16,100
<b>73C EUROPEAN GLOBAL ENGAGEMENT MANAGER/U.S. COMMUNICATIONS</b>	<b>0</b>	<b>27,100</b>
Global Engagement Manager (Note: Transfer from Line 73)		16,700
U.S. Communications (Note: Transfer from Line 73)		10,400
<b>74 BALLISTIC MISSILE DEFENSE BOOST DEFENSE SEGMENT</b>	<b>421,229</b>	<b>402,129</b>
2nd Airborne Laser Trade Studies		-15,800
Target funding transfer to Line 78		-3,300
<b>75 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</b>	<b>51,291</b>	<b>62,891</b>
Biological Threat Antibody Research		1,600
Environmentally Friendly Aircraft Decontamination Systems		1,800
IM Formulation Development of Anthrax Therapeutic		800
Networked Standoff Biological LIDAR		1,200
Reactive Overlay and Removable CBRN Coatings		1,600
Recombinant BChE Formulation Program		1,600
Vacuum Sampling Pathogen Collection and Concentration		3,200
<b>76 BALLISTIC MISSILE DEFENSE SENSORS</b>	<b>1,076,983</b>	<b>770,232</b>
European Site-Southern Radar Site (AN/TPY-2 #6 Radar Manufacturing and Program Support)		-39,119
Airborne Infrared Surveillance (AIRS) System (Note: Transfer to Line 91)		800
External Sensors Lab - program growth		-147,400
Sensor Equipment (EMR) (Note: Transfer to Line 73B)		-10,000
Site Planning/ Design/ Activation (EMR) (Note: Transfer to Line 73B)		-59,900
Communications (EMR) (Note: Transfer to Line 73B)		-15,800
Communications (European Forward Based Radar - AN/TPY-2) - premature request		-22,100
Mobile Sensor Enhancement to BMD Sensors Network		-17,232
		4,000
<b>78 BALLISTIC MISSILE DEFENSE TEST &amp; TARGETS</b>	<b>665,445</b>	<b>914,845</b>
Backup Target		8,000
Inventory LV-2 with MBRV-2		16,000
Kodiak Unique GSE and C4 Pathfinder (Note: Transfer from Line 72)		8,000
(Note: Transfer from Line 73)		52,100
(Note: Transfer from Line 74)		104,000
(Note: Transfer from Line 81)		3,300
(Note: Transfer from Line 82)		39,200
Test and Training Range Upgrades		2,800
		16,000



R-1		Budget Request	Recommendation
79	<b>BALLISTIC MISSILE DEFENSE SYSTEMS CORE</b>	<b>432,262</b>	<b>404,162</b>
	General Reduction		-40,000
	Advanced Battery Technology		2,300
	Next Generation Sensor Producability-flight 2		9,600
80	<b>SPECIAL PROGRAMS - MISSILE DEFENSE AGENCY</b>	<b>288,315</b>	<b>176,315</b>
	Program Decrease		-112,000
81	<b>AEGIS BALLISTIC MISSILE DEFENSE</b>	<b>1,157,783</b>	<b>1,117,483</b>
	Ballistic Signal Processor/Open Architecture		16,000
	SM-3 Block 1A (Note: Transfer to Procurement, D-W, Line 95)		-57,100
	Target funding (Note: Transfer to Line 78)		-39,200
	Aegis BMD enhancements		40,000
82	<b>SPACE SURVEILLANCE &amp; TRACKING SYSTEM</b>	<b>242,441</b>	<b>209,641</b>
	STSS follow-on program		-30,000
	Target funding transfer to Line 78		-2,800
83	<b>MULTIPLE KILL VEHICLES</b>	<b>354,455</b>	<b>284,455</b>
	Reduction - MKV-R		-55,000
	Program growth		-15,000
84	<b>BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS</b>	<b>29,771</b>	<b>24,771</b>
	Space Testbed		-10,000
	Space-based Interceptor Study		5,000
88	<b>BALLISTIC MISSILE DEFENSE JOINT NATIONAL INTEGRATION</b>	<b>96,404</b>	<b>106,404</b>
	MDIOC Modeling and Simulation		10,000
91	<b>SEA BASED X-BAND RADAR (SBX)</b>	<b>0</b>	<b>147,400</b>
	SBX (Note: Transfer from Line 76)		147,400
93	<b>COALITION WARFARE</b>	<b>14,030</b>	<b>13,319</b>
	Reduction to execution year new starts		-711
94	<b>DEPARTMENT OF DEFENSE CORROSION PROGRAM</b>	<b>5,102</b>	<b>22,402</b>
	Corrosion Engineering Education Initiative		800
	Environmentally Intelligent Moisture and Corrosion Control		2,000
	Department of Defense Corrosion Program		12,000
	Managing and Extending DoD Asset Lifecycles		2,500
95	<b>JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS</b>	<b>14,962</b>	<b>13,562</b>
	Advanced Active Denial Planar Scanning Antenna System		1,600
	Program adjustment for lack of transitions		-3,000
100	<b>JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM</b>	<b>3,524</b>	<b>5,524</b>
	Secure, Miniaturized, Free Space, Optical Communications		2,000
101	<b>DEFENSE ACQUISITION CHALLENGE PROGRAM (DACP)</b>	<b>30,363</b>	<b>28,566</b>
	Reduction to execution year new starts		-1,797
103	<b>PROMPT GLOBAL STRIKE</b>	<b>117,572</b>	<b>74,572</b>
	Alternative Re-Entry System		-43,000

R-1	Budget Request	Recommendation
<b>104 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</b>	<b>299,373</b>	<b>304,173</b>
Catalytic Oxidation Integrated Demonstration		2,400
Large Scale Single-use Bio Reactor for Rapid Response to Bioterrorism		800
Joint Services Aircrew Mask Don/Doff In-flight Upgrade		1,600
<b>109 INFORMATION TECHNOLOGY DEVELOPMENT</b>	<b>11,611</b>	<b>12,411</b>
In Transit Visibility System		800
<b>117 JOINT COMMAND AND CONTROL PROGRAM (JC2)</b>	<b>147,339</b>	<b>57,339</b>
Net-Enabled Command Capability (NECC)		-90,000
<b>118 TRAINING TRANSFORMATION (T2)</b>	<b>38,729</b>	<b>58,329</b>
Integrated Analysis Environment		1,200
Agile Software Capability Interventions		1,600
Indiana Complex Operations Partnership		2,000
New Mexico State University Institute for Defense and Public Policy		10,000
Playas Training and Research Center Joint Training Experiment		4,800
<b>121 CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT</b>	<b>133,852</b>	<b>152,852</b>
Gulf Range Mobile Instrumentation Capability		800
Joint Gulf Range Complex Upgrade		1,200
Range Element Network Enterprise Technology (RE-NET)		4,000
UAV Systems Operations Validation Program (USOVP)		5,000
Advanced SAM Hardware Simulator Development		5,000
Pacific Region Interoperability Test and Evaluation Capability		3,000
<b>124 TECHNICAL STUDIES, SUPPORT AND ANALYSIS</b>	<b>34,520</b>	<b>36,520</b>
Center for Technology and National Security Policy at the National Defense University		1,200
Defense Support to Large Scale Disaster Preparedness		800
<b>128 CLASSIFIED PROGRAM USD(P)</b>	<b>0</b>	<b>102,000</b>
Classified Program		102,000
<b>139 SMALL BUSINESS INNOVATION RESEARCH/CHALLENGE ADMINISTRATION</b>	<b>2,165</b>	<b>5,765</b>
Directed Energy Systems for UAV Payloads		800
Ferroelectric Component Technology		1,200
Random Obfuscating Compiler Anti-Tamper Software		1,600
<b>142 FORCE TRANSFORMATION DIRECTORATE</b>	<b>20,701</b>	<b>23,201</b>
Buoyancy Assisted Lift Air Vehicle		2,500
<b>144 R&amp;D IN SUPPORT OF DOD ENLISTMENT, TESTING &amp; EVALUATION</b>	<b>25,435</b>	<b>18,435</b>
HR Automation Enhancements - unjustified program		-7,000
<b>145 DEVELOPMENT TEST AND EVALUATION</b>	<b>20,396</b>	<b>23,596</b>
Renewable Fuel Systems for Defense Applications		3,200
<b>147 MANAGEMENT HEADQUARTERS (RESEARCH &amp; DEVELOPMENT)</b>	<b>52,700</b>	<b>48,700</b>
Unexecutable growth		-4,000

R-1	Budget Request	Recommendation
<b>151 SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES</b>	<b>30,039</b>	<b>35,159</b>
Enhanced Simulation for IO Capabilities		5,120
<b>155 INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS (IO)</b>	<b>0</b>	<b>1,200</b>
Advanced Information Discovery and Analysis Capability for NSA		1,200
<b>158 MANAGEMENT HEADQUARTERS - MISSILE DEFENSE AGENCY</b>	<b>86,453</b>	<b>81,453</b>
Management Support		-5,000
<b>160 DEFENSE INFORMATION SYSTEM FOR SECURITY (DISS)</b>	<b>11,533</b>	<b>5,533</b>
Execution delays		-6,000
<b>162 CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS)</b>	<b>10,274</b>	<b>12,674</b>
Next Generation Respiratory Protection		2,400
<b>167 CRYPTOLOGIC ACTIVITIES</b>	<b>0</b>	<b>3,200</b>
National Biometrics Security Project		3,200
<b>184 INFORMATION SYSTEMS SECURITY PROGRAM</b>	<b>394,074</b>	<b>403,574</b>
High Assurance Cross Domain Solutions for High Performance Computing Center Net-Centric Operations		2,000
Intelligence Analyst Education and Training		3,900
Security for Critical Communication Networks		3,600
<b>193 SPECIAL APPLICATIONS FOR CONTINGENCIES</b>	<b>16,225</b>	<b>26,325</b>
UML UAV/UAS Test Facility		2,400
Advanced Technology Sensors and Payloads		1,800
Expeditionary Persistent Power (USSOCOM)		1,600
Comprehensive Maritime Domain Awareness		4,500
<b>195 DEFENSE - GEOSPATIAL - INTELLIGENCE PROGRAM</b>	<b>0</b>	<b>1,600</b>
Commercial Denied Area Radargrammetry Mapping		800
Improved Commercial Integration (ICI)		800
<b>199 CRITICAL INFRASTRUCTURE PROTECTION (CIP)</b>	<b>12,700</b>	<b>17,900</b>
Electric Grid Reliability/Assurance		1,200
Disaster Response: Communications and Other Infrastructure Restoration		4,000
<b>210 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS</b>	<b>3,165</b>	<b>765</b>
Excess to need		-2,400
<b>218 COMBATANT COMMAND INTELLIGENCE OPERATIONS</b>	<b>0</b>	<b>12,880</b>
Advanced Missile Simulation Technology for Intelligence Analysts		1,280
All-Source Content Management (ASCMAN) for Actionable Intelligence		1,600
Armed Forces Health and Food Supply Research		5,000
National Consortium for MASINT Research		3,000
Pat Roberts Intel Scholars Program (PRISP)		2,000
<b>225 INDUSTRIAL PREPAREDNESS</b>	<b>20,480</b>	<b>55,280</b>
Copper-Based Casting Technology Applications		2,800
Improved Collapsible Urethane-Fuel Storage Tanks (ICU-FST)		1,600
Ultrahigh-Strength Steel for Landing Gear		2,000
Wiring Integrity Technology		1,600
Northwest Defense Manufacturing Initiative		1,600

R-1	Budget Request	Recommendation
Vet-Biz Initiative for National Sustainment (VINS)		2,000
Cellulosic-Derived Biofuels Research Project		4,000
Industrial Base Innovation Fund		19,200
<b>231 SPECIAL OPERATIONS AVIATION SYSTEMS ADVANCED DEVELOPMENT</b>	<b>43,977</b>	<b>44,777</b>
Helicopter Cable Warning and Obstacle Avoidance		800
<b>232 SPECIAL OPERATIONS TACTICAL SYSTEMS DEVELOPMENT</b>	<b>13,263</b>	<b>26,263</b>
Covert Communications for SOF Operations		1,600
Integrated Bridge System		1,200
Common UGV Command and Control for PSYOP Programs		800
SEAL Delivery Vehicle (SDV) Integrated Combat System (ICS)		3,200
Advanced, Long Endurance Unattended Ground Sensor Technologies		3,600
Integration of Force XXI Battle Command, Brigade & Below (FBCB2) with Tactical Handheld Digital Devices (THDD)		1,200
Weapons Shot Counter		1,400
<b>233 SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT</b>	<b>39,125</b>	<b>39,974</b>
Global Sensors Network, execution		-9,051
Generation II Special Operation Forces Internally Transported Vehicle (SOF-ITV)		1,600
Advanced Tactical Threat Warning Radio (ATTWR)		1,200
Biometric Signatures Research		2,000
Multi-Spectral Laboratory (UML) and Analytical Services Center (ASCENT) Program		1,600
Picoceptor and Processor for Man-portable Threat Warning		3,500
<b>234 SOF OPERATIONAL ENHANCEMENTS</b>	<b>48,137</b>	<b>55,337</b>
Freeze-dried Plasma		800
USSOCOM Medical Research		4,000
Signal Intelligence and Electronic Warfare Developments for Integration of SOF Systems		1,600
Communications-Capable Reconnaissance Imager		800
<b>235 SPECIAL OPERATIONS CV-22 DEVELOPMENT</b>	<b>38,229</b>	<b>40,229</b>
CV-22 Helmet Mounted Display		2,000
<b>237 OPS ADVANCED SEAL DELIVERY SYSTEM (ASDS) DEVELOPMENT</b>	<b>7,090</b>	<b>8,690</b>
Lithium Ion Battery Safety Detection and Control of Impending Catastrophic Failures		1,600
<b>238 MISSION TRAINING AND PREPARATION SYSTEMS (MTPS)</b>	<b>4,052</b>	<b>5,652</b>
SOF Mission Training and Preparation Systems Interoperability		1,600
<b>239 UNMANNED VEHICLES (UV)</b>	<b>1,527</b>	<b>43,927</b>
Photovoltaic Power Supply for Autonomous Sensors		2,400
Global Observer Development		40,000
<b>241 SOF WEAPONS SYSTEMS</b>	<b>2,759</b>	<b>2,559</b>
SOF Combat Assault Rifle Acceleration		-200

<b>R-1</b>	<b>Budget Request</b>	<b>Recommendation</b>
<b>243 SOF VISUAL AUGMENTATION, LASERS &amp; SENSOR SYSTEMS</b>	<b>3,495</b>	<b>6,986</b>
SOCOM requested transfer from P-82 for Precision Laser Targeting Device		5,000
SOF Laser Rangefinder and Designator		-1,509
<b>244 SOF ROTARY WING AVIATION</b>	<b>3,822</b>	<b>1,647</b>
Infrared Exhaust Suppressor Termination		-2,175
<b>245 SOF UNDERWATER SYSTEMS</b>	<b>3,142</b>	<b>5,542</b>
Technology for Shallow Water Special Operations Forces Mobility		2,400
<b>999 CLASSIFIED PROGRAMS</b>	<b>3,805,519</b>	<b>3,744,197</b>
Classified Programs		-84,762
Laboratory for High Performance Computational Systems		1,600
Advanced Scientific Missile Intelligence Preparation of the Battlespace (IPB)		2,000
Collection Management Tool Development		1,440
Northwest Maritime Information and Littoral Operations Program		2,800
Defense Manpower Data Center		800
Integrated Signature Production and Exploitation		800
Countering Missile-Related Technology Proliferation		2,000
Center for Innovative Geospatial Technology		10,000
High Assurance Cross Domain Technology Development		2,000

## ENERGY STRATEGY FOR THE DEPARTMENT OF DEFENSE

Achieving improved energy efficiency, which includes reduced consumption, expanded sources of supply as well as a reduction in our dependence on foreign oil are possibly the greatest national security challenges facing our nation.

In 2006, according to the Defense Science Board, the Department of Defense consumed 110,000,000 barrels of premium fuel and 3,800,000,000 kilowatt hours of electricity at a cost of \$13,600,000,000. Of this amount, \$10,000,000,000 was spent on fuel for combat and combat-related systems, and another \$3,600,000,000 to power the Department of Defense's infrastructure. The major challenges to fuel efficiency are operational, tactical and fixed based.

The most recent Defense Science Board Task Force is but the latest in a long line of reports addressing the necessity for a reduction in the fuel burden. The 2001 Defense Science Board Task Force report entitled, "More Capable Warfighting through Reduced Fuel Burden," stated that 70 percent of the tonnage the Army ships into battle is associated with fuel logistics and that multiple technologies were available at all levels of maturity that could reduce demand. Furthermore, it advocated "including fuel efficiency as a key performance parameter in all operational requirements documents and capstone requirements documents." It was not until 2007 that the Department issued a memorandum making it policy to include the fully burdened cost of delivered energy in trade off analyses conducted for all tactical systems and identified only three pilot programs.

While the Department is the leading consumer of fuel in the U.S., the Air Force is the leading consumer of fuel within the Department. The Air Force has been in the forefront on alternative fuels and is on the path to qualify all Air Force aircraft on a coal-based jet fuel by 2012. The challenge in using coal-based jet fuels is directly dependent upon carbon capture and sequestration to mitigate CO<sub>2</sub> emissions.

The Department is provided \$20,000,000 to initiate research into carbon capture and sequestration technology for the future production of coal-based jet fuel. The Department is encouraged to budget for the continued research of this initiative in the fiscal year 2010 request. The Secretary of Defense is directed to provide the congressional defense committees with specific plans for utilizing these funds to include specific details and goals not later than 90 days after enactment of this Act.

Similarly, in the fixed base, there is a near total reliance on the commercial power grid. Efforts to raise the issue and support alternative and/or renewable energy sources for the Department of Defense have been sporadic at best.

The Department of Defense's scattered efforts to address the energy issue throughout its organization is coupled with minimal centralized policy and oversight. The Defense Science Board Task Force went on to say, "decisions that create energy demand are dispersed organizationally across the Department and throughout the services. There is no unifying vision, strategy, or metrics or governance structure with enterprise-wide energy in its portfolio."

The Department of Defense can no longer rely on such haphazard approaches to energy. Our future national security and military readiness demands swift action guided by a clear mandate.

The Secretary of Defense is encouraged to appoint a senior official to be responsible for energy efficiency. Further, the Department is directed to address comprehensively and submit a report, not later than June 15, 2009, regarding energy efficiency and how it will be given greater importance and weight in all aspects of the Department's resource allocation process.

#### TRANSFORMATIONAL MEDICAL TECHNOLOGIES INITIATIVE (TMTI)

The fiscal year 2009 budget request includes \$240,900,000 for the Transformational Medical Technologies Initiative (TMTI) in program elements 0601384BP, 0602384BP and 0603384BP of the Chemical and Biological Defense Program, an increase of \$105,000,000 over the amount appropriated in fiscal year 2008. Of the amount requested for fiscal year 2009, more than half, or \$123,900,000, is requested for new start projects, an increase of \$78,300,000 over the amount provided for new projects in fiscal year 2008. This growth for new starts is excessive at this juncture in the program and the request for new start projects in fiscal year 2009 is reduced by \$70,000,000. The Special Assistant, Chemical and Biological Defense is directed to provide the annual TMTI report (as detailed in Senate Report 109—292) with the submission of the fiscal year 2010 budget request.

#### DEFENSE ADVANCED RESEARCH PROJECTS AGENCY (DARPA)

The fiscal year 2009 budget request for DARPA is \$3,285,569,000, an increase of \$326,493,000, more than 10 percent, over the fiscal year 2008 appropriated program of \$2,959,076,000. In recent years, DARPA has repeatedly underexecuted its funded program level, executing a fiscal year 2005 program that was nine percent below the appropriated program and a fiscal year 2006 program that was twelve percent below the appropriated program. Based on program execution to date, DARPA will likely continue that trend for the fiscal year 2007 and 2008 programs. While DARPA's continued underexecution can partially be explained by its fiscally responsible management approach of withholding funds from projects that fail to demonstrate progress, doubts exist about DARPA's ability to responsibly manage such a large increase. Therefore, the bill provides \$3,142,229,000, a reduction of \$143,340,000 from the request. The Director of DARPA is directed to provide to the congressional defense committees not later than 60 days after enactment of this Act a report that details by program element and project the application of undistributed reductions made in this Act.

The conference reports accompanying the fiscal year 2007 and 2008 Department of Defense Appropriations Acts cited the lack of individual project level detail provided in DARPA's budget justification materials. While the high-risk nature of many DARPA projects makes it hard to pinpoint detailed schedules, there is concern about the lack of detail provided for individual projects regarding their scope, notional schedule and overall funding requirements.

Moreover, project funding is often adjusted from one year to the next without justification. DARPA is directed to provide greater programmatic detail for its projects in its justification materials beginning with the fiscal year 2010 budget request. Further, DARPA is encouraged to continue to pursue transition plans for all of its Advanced Technology Development programs. The Director of DARPA is directed to submit with the fiscal year 2010 budget submission the report on transitions that was initiated in fiscal year 2009.

#### NEW STARTS IN THE YEAR OF EXECUTION

The fiscal year 2009 budget request includes no less than \$176,770,000 in the Research, Development, Test and Evaluation, Defense-Wide account for new start programs that will be selected and initiated in fiscal year 2009, an increase of \$61,766,000 from the amount above the fiscal year 2007 level. While there is awareness of the need for certain programmatic flexibility to address urgent unfunded requirements, this level of funding is unjustified, particularly in light of the fact that several projects continue to be resourced from these funds over a sustained period of time without transitioning to funded programs of record. Additionally, congressional notification of programs initiated with these funds has been lagging and inconsistent. Therefore, the bill reduces the request for these programs by ten percent.

#### JOINT REPORT ON COAL-TO-LIQUID FUELS

The Secretary of Defense, in coordination with the Department of Energy's Office of Fossil Energy is directed to submit a report to the congressional defense committees no later than March 31, 2009, on alternatives to reduce the life cycle emissions of coal-to-liquid fuels and potential uses of coal-to-liquid fuels to meet the Department of Defense's mobility energy requirements. The report shall examine, at a minimum, the following: the potential clean energy alternatives for powering the coal-to-liquids conversion processes, including nuclear, solar, and wind energies; the alternatives for reducing carbon emissions during the coal-to-liquids conversion processes; and the military utility of coal-to-liquid fuels for military operations and for use by expeditionary forces compared with the military utility and life cycle emissions of mobile, in-theater synthetic fuel processes.

#### INFRARED FOCAL PLANE ARRAYS

Infrared Focal Plane Arrays (IFPA) are the key to infrared sensor systems widely used by the military. New and improved military capabilities will require the development of new and more complex arrays. Recent reports reveal that the United States, which has traditionally held the lead in IFPA technology, is falling behind. This poses the very real threat that the United States government could lose control of this technology. The Department of Defense is directed to review developments in this critical area and report on the status of the United States' competitive position, and if warranted, provide a plan of action to remedy the situation. This



report should be submitted no later than 90 days after enactment of this Act.

#### CLIMATE CHANGE AND NATIONAL SECURITY

Climate change is a key environmental issue that has national security implications. The Department of Defense should assess the impact of climate change on our coasts, water resources, and other geographic and environmental components of the United States national security. The Department of Defense should also establish a baseline set of indicators for assessing climate change and a set of tools for measuring its future impact on those aspects of climate change that could affect our national security.

#### MISSILE DEFENSE AGENCY (MDA) REPORTING REQUIREMENTS AND JUSTIFICATION MATERIALS

The budget information provided by the MDA does not allow sufficient oversight of the Ballistic Missile Defense programs. The programs change significantly from the time the budget is submitted to the time funding is appropriated, making it extremely difficult to understand what is actually in the budget on an annual basis. The justification materials should no longer be presented in the block structure format, but rather by fiscal year for each activity within the program element. The documents must provide more detailed schedules, quantities, and break-outs of funding for each activity.

Past Congresses have established a framework of laws that require program and cost reporting to Congress to help exercise this oversight. The MDA is directed to report according to the existing acquisition laws to improve accountability and transparency of the programs.

#### NEAR-TERM MISSILE DEFENSE PROGRAMS

In order to execute a balanced program, the Missile Defense Agency (MDA) must continue to field the near-term missile defense programs, primarily Ground-Based Missile Defense (GMD), AEGIS Ballistic Missile Defense (BMD), and Theater High Area Altitude Defense (THAAD) programs. Funding for fielding these programs, however, is sacrificed each year to pay for the development of futuristic missile defense programs. Therefore, the bill reduces funding for several of the far-term programs, such as the Multiple Kill Vehicle, the Airborne Laser, and Space Test Bed and provides an additional \$120,000,000 for enhancements to the GMD, AEGIS and THAAD programs. The MDA is directed to provide a report to the congressional defense committees by December 1, 2008, on how those additional funds will be allocated to the programs.

The Joint Capability Mix (JCM) study, conducted by the Joint Staff, concluded that U.S. combatant commanders need about twice as many Standard Missile-3 and THAAD interceptors as currently planned to meet minimum operational requirements for defending against short and medium-range ballistic missiles. The MDA's highest priority should be to achieve the minimum levels of interceptor inventories identified in the JCM study and the Department

of Defense should budget accordingly in its fiscal year 2010 budget submission.

#### EUROPEAN CAPABILITY—THIRD SITE

Three separate program elements are recommended for the European Missile Defense sites in order to provide adequate visibility of these initiatives and to ensure that funding for the Ground-Based Missile Defense, Sensors, and Command and Control program elements are not adversely impacted by the European sites.

The bill provides \$467,150,000 for European missile defense and development and testing of the two-stage interceptor. The first program element provides \$363,250,000 for the development and testing of the two-stage interceptors and the interceptor site planned for Poland. The bill provides \$182,900,000 for development and testing of the two-stage interceptors; \$19,200,000 for long-lead components for two-stage interceptors; and \$65,500,000 for site planning, design and activation. Due to the delay in ratification of a missile defense agreement with Poland, funding for missile field equipment is reduced by \$82,550,000 and communications by \$13,100,000, half of the request.

The second program element provides \$76,800,000 for the European Midcourse Radar (EMR) to be located in the Czech Republic. The bill provides \$15,800,000 for site planning, design and activation, but reduces funding for sensor equipment by \$15,000,000 and communications by \$6,000,000 due to at least a three month delay in ratification of an agreement with the Czech government in fiscal year 2009.

The third program element provides \$27,100,000 for the European Global Engagement Manager and U.S. Communications for the European sites. Due to the delay in ratifying agreements with the European host sites, the request is reduced by \$14,000,000. The bill provides no funding for the European Forward Based Radar (AN-TPY-2) since a location has not been determined for the site.

These estimates do not include costs for barracks, family housing or any other costs normally associated with infrastructure of a cantonment area of a military facility. Also, the estimate does not include personnel costs for manning the facilities.

#### SPACE TRACKING AND SURVEILLANCE SYSTEM (STSS)

It is premature for the Missile Defense Agency to move forward with a follow-on STSS constellation until after a successful launch and thorough analysis of the STSS demonstrator data. No funding is provided to begin work on an STSS follow-on constellation, an STSS gap filler, space sensor research and development, or any other space demonstration program.

#### FLIGHT TEST DELAYS AND CANCELLATIONS

As one of the largest research, development, test and evaluation programs in the Department of Defense, the Missile Defense Agency (MDA) has established a pattern of cost, schedule and performance problems. Tests were delayed or cancelled in fiscal years 2006, 2007 and 2008 and it is not unreasonable to assume that some of the tests planned for fiscal year 2009 will likely slip into subse-

quent fiscal years. The MDA annually conducts operational testing of the Ballistic Missile Defense System through a series of planned tests which are outlined in the Integrated Master Test Plan (IMTP). The numbers reflected in the IMTP only address successful flights of a missile. Rates of delay, cancellations or changes that occur annually in the testing programs and which affect the programming and budgeting of future years are not addressed.

In fiscal years 2006 through 2008, the MDA conducted approximately 85 percent of the planned tests in the same fiscal year as originally scheduled. The MDA's fiscal year 2009 test schedule reflects 13 flight tests with 77 percent of these tests scheduled for the third and fourth quarters of 2009. The fiscal year 2009 test schedule contains two major flight tests to support Ground-Based Mid-course Defense (FTG-05 and FTG-06). Combined, these tests cost approximately \$300,000,000. Department of Defense officials have expressed concern that FTG-06 will not have a target vehicle to support the test within fiscal year 2009. Therefore, the Missile Defense Agency is directed to report to the congressional defense committees by January 15, 2009, on the state of the testing program and what funding shortfalls exist, if any.

#### TARGETS

The Missile Defense Agency (MDA) has renewed its focus and commitment to the target program and must continue this momentum in order to achieve optimal production and deliveries. In order to ensure that the program office has the proper oversight of all funding for the targets program, the bill transfers the entire request for targets from the individual program elements to the Test and Target program element.

The bill provides an additional \$32,000,000 above the budget request for the flexible family of targets to initiate an inventory build up of critical long lead hardware items. However, there are additional funding shortfalls for targets that need to be addressed in fiscal year 2009. The MDA should submit an above threshold reprogramming to the congressional defense committees to ensure that this important component of missile defense testing is adequately funded. In addition, MDA should adequately address shortfalls in its out-year budget requests for targets to continue inventory buildup to ensure proper support of the rigorous testing program planned beginning in fiscal year 2010.

#### TERMINAL HIGH ALTITUDE AREA DEFENSE (THAAD)

The bill transfers \$65,000,000 from Program Element 0603881C to Procurement, Defense-Wide, Line 95, as identified by the Missile Defense Agency (MDA) to recover schedule and mitigate production line gaps for Fire Unit #3 and #4. The MDA is directed to identify additional funds to ensure production line continuity.

#### STANDARD MISSILE-3 (SM-3) INTERCEPTORS

The bill transfers \$57,100,000 from Program Element 0603892C to Procurement, Defense-Wide, Line 95, for advance procurement of SM-3 Block 1A interceptors.

## AEGIS BALLISTIC MISSILE DEFENSE

Management of the kill vehicle for the Standard Missile-3 Block II is being done by the Kill Vehicle program office instead of the AEGIS program. The AEGIS program has had a long history of success working with the Navy to manage the entire development and fielding of the Standard Missile, and any change in management could result in a delay to the program. Therefore, the AEGIS program is directed to manage all current and future Standard Missile development and upgrades for ballistic missile defense, including the kill vehicles.

## SPACE-BASED INTERCEPTOR STUDY

The bill provides \$5,000,000 to support the study outlined in section 236 of S. 3001, the National Defense Authorization Act for Fiscal Year 2009.

## OPERATIONAL TEST AND EVALUATION, DEFENSE

For Operational Test and Evaluation, Defense, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----				
OPERATIONAL TEST & EVAL, DEFENSE				
RDT&E MANAGEMENT SUPPORT				
1	OPERATIONAL TEST AND EVALUATION.....	53,196	53,196	---
2	LIVE FIRE TESTING.....	11,572	11,572	---
3	OPERATIONAL TEST ACTIVITIES AND ANALYSES.....	124,004	124,004	---
-----				
	TOTAL, RDT&E MANAGEMENT SUPPORT.....	188,772	188,772	---
-----				
	TOTAL, OPERATIONAL TEST & EVAL, DEFENSE.....	188,772	188,772	---

TITLE V—REVOLVING AND MANAGEMENT FUNDS

For Revolving and Management Funds, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
TITLE V			
REVOLVING AND MANAGEMENT FUNDS			
Defense Working Capital Funds.....	1,489,234	1,489,234	---
National Defense Sealift Fund: Ready Reserve Force	1,962,253	1,666,572	-295,681
Defense Coalition Support Fund.....	22,000	---	-22,000
-----			
Total, title V, Revolving and Management Funds..	3,473,487	3,155,806	-317,681
=====			

DEFENSE WORKING CAPITAL FUNDS

For the Defense Working Capital Funds, \$1,489,234,000 is provided for fiscal year 2009.

NATIONAL DEFENSE SEALIFT FUND

For the National Defense Sealift Fund, \$1,666,572,000 is provided for fiscal year 2009.



**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
(in thousands of dollars)

	Budget Request	Recommendation
<b>STRATEGIC SHIP ACQUISITION</b>	<b>1,346,953</b>	<b>998,672</b>
MPF(F) Advance Procurement Transfer to SCN		-348,281
<b>DoD MOBILIZATION ASSETS</b>	<b>269,461</b>	<b>269,461</b>
<b>SEALIFT RESEARCH AND DEVELOPMENT</b>	<b>68,663</b>	<b>63,263</b>
LHA (Replacement) Research and Development Transfer		-5,400
<b>READY RESERVE FORCE OPERATIONS AND MAINTENANCE</b>	<b>277,176</b>	<b>287,176</b>
RRF Training Ship Upgrades		10,000
<b>MARITIME ADMINISTRATION SHIP FINANCING GUARANTEE PROGRAM</b>	<b>0</b>	<b>48,000</b>
<b>Total NDSF</b>	<b>1,962,253</b>	<b>1,666,572</b>

## SHIP FINANCING GUARANTEE PROGRAM

The bill provides \$48,000,000 for the ship financing loan guarantee program administered by the Maritime Administration. The Secretary of the Navy is directed to work in conjunction with the Administrator of the Maritime Administration to ensure this funding is used for the loan guarantee program established under chapter 537 of title 46, United States Code.

## TITLE VI—OTHER DEPARTMENT OF DEFENSE PROGRAMS

For Other Department of Defense Programs, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
TITLE VI			
OTHER DEPARTMENT OF DEFENSE PROGRAMS			
Defense Health Program:			
Operation and maintenance.....	24,301,359	24,611,369	+310,010
Procurement.....	303,905	311,905	+8,000
Research and development.....	193,938	902,558	+708,620
Total, Defense Health Program.....	24,799,202	25,825,832	+1,026,630
National Defense Stockpile Transaction Fund transfer to Defense Health program.....	-1,300,000	-1,300,000	---
Chemical Agents and Munitions Destruction, Defense:			
Operation and maintenance.....	1,152,668	1,152,668	---
Procurement.....	64,085	64,085	---
Research, development, test and evaluation.....	268,881	288,881	+20,000
Total, Chemical Agents .....	1,485,634	1,505,634	+20,000
Drug Interdiction and Counter-Drug Activities, Defense	1,060,463	1,096,743	+36,280
Joint Improvised Explosive Device Defeat Fund .....	496,300	---	-496,300
Rapid Acquisition Fund .....	102,045	---	-102,045
Office of the Inspector General.....	247,845	271,845	+24,000
Total, title VI, Other Department of Defense Programs.....	26,891,489	27,400,054	+508,565
	=====	=====	=====

DEFENSE HEALTH PROGRAM

For the Defense Health Program, funds are to be available for fiscal year 2009, as follows:

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
Defense Health Program:			
Operation and maintenance.....	24,301,359	24,611,369	+310,010
Procurement.....	303,905	311,905	+8,000
Research and development.....	193,938	902,558	+708,620
Total, Defense Health Program.....	24,799,202	25,825,832	+1,026,630

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

	Budget Request	Recommendation
<b>OPERATION AND MAINTENANCE</b>	<b>24,301,359</b>	<b>24,611,369</b>
<b>IN-HOUSE CARE</b>	<b>6,574,560</b>	<b>6,313,230</b>
Realignment for proper execution of pharmacy workload		-78,000
Realignment of Navy funds for proper execution		-163,500
Realignment of Air Force funds for proper execution		-100,000
WRAMC MEDCOM New Requirements		12,770
Traumatic Brain Injury and Psychological Health		65,000
Madigan Army Medical Center Trauma Assistance Center		1,600
DoD/VA Blind Rehabilitation and Training Pilot		800
<b>PRIVATE SECTOR CARE</b>	<b>13,339,751</b>	<b>13,217,751</b>
Reduction		-200,000
Realignment for proper execution of pharmacy workload		78,000
<b>CONSOLIDATED HEALTH CARE</b>	<b>1,250,152</b>	<b>1,357,952</b>
Traumatic Brain Injury and Psychological Health		60,000
Realignment of Navy funds for proper execution		17,000
Realignment of Air Force funds for proper execution		10,000
AFIP/Joint Pathology Center (JPC) Records Digitization and Respository Modernization		20,000
Epidemiologic Health Survey at the Iowa Army Ammunition Plant		800
<b>INFORMATION MANAGEMENT/IT</b>	<b>1,117,089</b>	<b>1,190,289</b>
Traumatic Brain Injury and Psychological Health		36,000
Integrated Patient Electronic Records System for Application to Defense Information Technology		1,200
Pediatric Health Information System for Medical Charting and Research Related to Military Health Care		400
Health Technology Integration for Clinical, Patient Records and Financial Management Related to the Military		400
Realignment of Navy funds for proper execution		10,000
Realignment of Air Force funds for proper execution		20,000
Digital Accessible Personal Health Electronic Record		800
Enhanced Medical Situational Awareness		2,400
Theater Enterprise Wide Logistics System (TEWLS)		2,000
<b>MANAGEMENT HEADQUARTERS</b>	<b>268,545</b>	<b>274,045</b>
Traumatic Brain Injury and Psychological Health		1,000
Realignment of Navy funds for proper execution		4,500
<b>EDUCATION AND TRAINING</b>	<b>485,524</b>	<b>559,364</b>
Joint Incentives Fund - Future Medical Care of Soldiers		4,000
Fort Drum Regional Health Planning Organization		640
Customized Nursing Programs		800
Web-based Teaching Programs for Military Social Work		3,200
Pediatric Medication Administration Product and Training		800
Military Physician Combat Medical Training		1,000
Traumatic Brain Injury and Psychological Health		45,000
Realignment of Navy funds for proper execution		2,000
Realignment of Air Force Funds for proper execution		10,000

	Budget Request	Recommendation
Tri Service Nursing Research Program		6,400
<b>BASE OPERATIONS AND COMMUNICATIONS</b>	<b>1,265,738</b>	<b>1,698,738</b>
Traumatic Brain Injury and Psychological Health		3,000
Army FSRM		100,000
Navy FSRM		80,000
Air Force FSRM		60,000
Realignment of Navy funds for proper execution		130,000
Realignment for Air Force funds for proper execution		60,000
<b>PROCUREMENT</b>	<b>303,905</b>	<b>311,905</b>
Operating Room of the Future for Application to Mobile Army		
Surgical Hospital Improvements		2,400
Wide Angle Virtual Environment for USHUS		4,000
Dedicated Breast MRI System for WRAMC/WRNMMC		1,600
<b>RESEARCH AND DEVELOPMENT</b>	<b>193,938</b>	<b>902,558</b>
ALS		5,000
Autism Research		8,000
Bone Marrow Failure Research		5,000
Breast Cancer Center (WRAMC/WRNMMC)		15,000
Cancer Immunotherapy and Cell Therapy Initiative (Note: Department of Defense Military Health System Enhancement)		1,600
Comprehensive Clinical Phenotyping and Genetic Mapping for the Discovery of Autism Susceptibility Genes (Note: within military dependents populations)		1,600
Department of Defense Brain Injury Rescue and Rehabilitation Project (BIRR)		1,200
Duchenne Muscular Dystrophy		4,000
Genetics Studies of Food Allergies		2,500
Global HIV/AIDS Prevention		8,000
Gynecological Cancer Center (WRAMC/WRNMMC)		6,000
Health Research and Disparities Eradication Program		6,500
Identifying Health Barriers for Military Recruits		3,000
Integrative Cardiac Health Care (WRAMC/WRNMMC)		7,000
Lung Injury Management Program		1,200
Madigan Army Medical Center Digital Pen		200
Microencapsulation and Vaccine Delivery		800
Military Trauma Training Program		800
Mobile Diabetes Management		1,600
Multiple Sclerosis		5,000
National Diabetes Model Program		15,500
Neuregulin Research		1,520
Neuroscience Clinical Gene therapy Center (OSUMC)		800
Pain and Neuroscience Center (WRAMC/WRNMMC)		8,000
Patient Tracking Ontology		2,500
Peer-Reviewed Breast Cancer Research Program		150,000
Peer-Reviewed Cancer Research Program		16,000
Peer-Reviewed Lung Cancer Research Program		20,000
Peer-Reviewed Orthopedic Research		61,000
Peer-Reviewed Ovarian Cancer Research Program		20,000
Peer-Reviewed Prostate Cancer Research Program		80,000
Peer-Reviewed Spinal Cord Research Program		35,000

	<b>Budget Request</b>	<b>Recommendation</b>
Peer-Reviewed Vision Research		4,000
Integrated Translational Prostate Cancer Center (WRAMC/WRNMMC)		4,000
Proton Therapy		4,800
Research to Improve Emotional Health and Quality of Life for Servicemembers with Disabilities		2,400
Reservist Medical Simulation Training Program		800
Severe Disorders of Consciousness (IBRF) (Note: Department of Defense Military Health System Enhancement)		6,400
Stress Disorders Research Initiative at Ft. Hood		1,600
Traumatic Brain Injury and Psychological Health Research		90,000
Tuberous Sclerosis Complex (TSC)		6,000
US Military Cancer Institute		4,000
Vanadium Safety Readiness		1,600
Virtual Medical Trainer		4,000
Copper Antimicrobial Research Program		1,600
Hawaii Federal Health Care Network		23,000
Pacific Based Joint Information Technology Center (JITC)		4,800
Management of the Wounded Soldier from Air Evacuation to Rehabilitation		2,500
Pharmacological Countermeasures to Ionizing Radiation		800
Pseudofolliculitis Barbae (PFB) Topical Treatment		800
Security Solutions from Life in Extreme Environments Center		1,200
Peer Reviewed Medical Research Program		50,000



## DEFENSE HEALTH PROGRAM REPROGRAMMING PROCEDURES

There is concern regarding the transfer, lack of proper budgeting and the reprogramming of funds from Direct (or In-house) Care to other budget activities within operation and maintenance. To limit transfers and enhance Congressional oversight within the Defense Health Program operation and maintenance account, language is included in the accompanying bill which limits the funds available for Private Sector Care under the TRICARE program subject to prior approval reprogramming procedures. The bill language and accompanying statement should not be interpreted by the Department as limiting the amount of funds that may be transferred to the Direct Care system.

In addition, the services are not properly budgeting for actual execution levels among the budget activity groups. Therefore, the Direct Care System funding will continue to be designated as a congressional special interest item. Any transfer of funds from the Direct (or In-house) Care budget activity into the Private Sector Care budget activity or any other budget activity shall require the Department of Defense to follow prior approval reprogramming procedures.

The Navy and the Air Force budget requests for In-House Care are in excess of actual requirements. Therefore, funds have been transferred from Navy and Air Force In-House Care to other budget activities to reflect estimated funding requirements.

In addition, the Department of Defense is directed to review budget execution data for all of the Defense Health Program accounts and to adequately reflect changes to the budget activities requested by the services in future budget submissions beginning in fiscal year 2010.

## PRIVATE SECTOR CARE REDUCTION

The bill has reduced the Private Sector Care Budget Activity Group by \$200,000,000 as a result of routine health care for servicemembers and their families returning to the military treatment facilities from private sector care. The actual private sector care funding required in fiscal year 2008 was \$200,000,000 below the budget request, as demonstrated by prior approval reprogramming (FY08-11) submitted to the congressional defense committees by the Department of Defense.

## CARRYOVER

The bill provides a one percent carryover for fiscal year 2009 operation and maintenance. The Assistant Secretary of Defense for Health Affairs is directed to submit to the congressional defense committees within 30 days after enactment of this Act a detailed spending plan for the fiscal year 2008 designated carryover funds.

The Assistant Secretary of Defense for Health Affairs is also directed to submit justification to the congressional defense committees not later than January 15, 2009, as to the continuing need to provide carryover in future budgets. In addition, the Department shall, not fewer than 15 days prior to executing the carryover funds, notify the congressional defense committees in writing of the details of any such obligation.

## STRATEGIC COMMUNICATIONS

In 2007, the Assistant Secretary of Defense for Health Affairs (ASD(HA)) and the Military Health System (MHS) established an office for MHS Strategic Communications to address and respond to the various issues related to wounded warrior and the MHS. According to the Department of Defense, this new office was created to coordinate with the communications offices within the MHS and the services to serve as a hub for the MHS to respond to questions and interviews from the press, to manage and maintain the MHS web site, and to develop communication products and messages. In addition to creating and staffing this new office, the Department recently awarded a \$3,900,000 contract to provide contracted personnel and to advise the Director, MHS Strategic Communications office in the execution of the MHS Strategic Communications Plan. There is great concern that the services provided through this contract are duplicative to the roles and responsibilities of the staff employed in this office. Therefore, the Assistant Secretary of Defense for Health Affairs and the Under Secretary of Defense for Personnel and Readiness are directed to provide a report to the congressional defense committees, not later than March 6, 2009, that details the roles, responsibilities, staffing, and resources of the strategic communications office and a detailed justification of this contract. The Department is further restricted from extending this contract without the approval of the defense subcommittees of the Committees on Appropriations of the House and the Senate.

## TRAUMATIC BRAIN INJURY AND PSYCHOLOGICAL HEALTH

Traumatic brain injury (TBI) and psychological health issues have emerged as a significant cause of death to the war fighters in Iraq and Afghanistan. Whether mild, moderate or severe brain injury, the level of assessment and standard of care provided to the war fighter is in need of enhancement. Diagnosis, treatment, and rehabilitation must be at a level to ensure the best possible outcome. To this end, the bill includes \$300,000,000 above the budget request to address all levels of brain injury and psychological health issues that servicemembers and their families have experienced during the Global War on Terror. The Department is expected to request any additional resources for these requirements in the upcoming supplemental request for fiscal year 2009.

The Department continues to work diligently to establish a center of excellence to provide specialized treatment and rehabilitation for brain injured troops, but much more is needed and the Department is expected to continue to provide the necessary care and treatment to servicemembers and their families. The vast majority of disabled troops will ultimately return to their home communities, which may be far removed from specialized centers. Therefore, the identification of local services is crucial to an appropriate rehabilitation plan and the Department of Veterans Affairs and military centers should coordinate with civilian centers to guarantee that optimal treatments and assistance are available throughout the country.

The Department is aware of gaps within TBI and psychological treatment methods that need to be addressed. The Department is

expected to continue working with the Department of Veterans Affairs, Department of Health and Human Services, academia and industry to focus on the research and treatment necessary to address the gaps that have been identified.

An area of particular interest is the provision of appropriate and accessible counseling to servicemembers and their families who live in locations that are not close to military treatment facilities, other Military Health System health facilities or TRICARE providers. Web-based delivery of counseling has significant potential to offer counseling to personnel who otherwise might not be able to access it. Therefore, the Department is directed to establish and use a web-based Clinical Mental Health Services Program as a way to deliver critical clinical mental health services to servicemembers and their families in rural areas. Further, the Department is directed to report to the congressional defense committees on how they have incorporated a web-based program within the Defense Center of Excellence (DCoE) and its entities by March 16, 2009.

Funding provided in this bill is also to be used for the development and operation of the DCoE and the various centers, programs and initiatives that fall within its purview and resources to support the service medical departments as they continue to build and expand their TBI and psychological health capacity through initiatives and many supportive programs. Other initiatives, such as telehealth, clinical standards supporting TBI and psychological health, and training and education outreach should also be included.

Funding has also been provided to continue medical research and development on TBI and psychological health. The following research topics are recommended for consideration under this program: studies of mental health disorders and Post Traumatic Stress Disorder (PTSD) to include neuropsychiatric studies, biochemical mechanisms that underlie human emotional reactions to combat stress and resulting clinical disorders, metrics for mental health assessment and methods to evaluate and improve PTSD rehabilitation efforts; studies of Traumatic Brain Injury (TBI) including basic research on neural injury treatments, cell replacement and regrowth strategies, specific therapies to prevent and reverse spinal cord and other neuro-traumatic damage, pharmaceutical interventions to stimulate neural circuits, "activity-based" physical therapy, and extended rehabilitation focused on impairments in vision and cognitive functioning; clinical research of blast-related cell damage and the resulting effects on neurological response; 3D models of IED blast waves to develop equipment to mitigate injury to service members; a fully automated, self contained, disposable chip to diagnose TBI at the point of onset; DA-EEG assessment and MRI quantization to allow an accurate assessment of TBI; computational approaches to integrate global transcriptomics and proteomics information to identify the biological networks altered following TBI; studies of PTSD and/or TBI including basic research in neurorehabilitation, the integration of informatics, and advanced computational research to analyze brain tissue and activities, the use of advanced neuroimaging, behavioral and genetic information to develop biomarkers, diagnostics, and treatments for semi-acute and chronic injury stages. Funding provided for research and devel-

opment shall incorporate all aspects of research in the areas of TBI and psychological health by conducting basic science and translational research for the purposes of understanding the etiology and developing preventive interventions and new treatments and evaluating the outcomes to arrive at best-practice solutions. This requirement includes incorporating training, combat theater operations, and post deployment evidence-based preventive and early intervention measures, practices, or procedures to reduce the likelihood that personnel in combat will develop PTSD or other stress-related conditions or sustain traumatic brain injuries.

#### INCREASING THE AVAILABILITY AND ACCESS TO MENTAL HEALTH SERVICES

There is continued concern with the Department of Defense regarding mental health care for servicemembers returning from Operation Enduring Freedom and Operation Iraqi Freedom. Reports outlining gaps in coverage and poor access to care, especially in large rural and urban areas that support a large population of returning servicemembers are troubling. In addition to the negative impact on servicemembers and their families, the failure to appropriately provide the services places a heavy financial and infrastructure burden on communities and local governments.

Therefore, the Department of Defense is directed to make funds available for projects and programs throughout the United States that (1) serve a high population of returning servicemembers; (2) encompass both large rural and urban areas; and (3) have an existing infrastructure that utilizes a combination of local mental health associations, community support networks, private sector mental health care provider networks, and universities for the purpose of enhancing the local access, delivery, education and outreach of mental health services for servicemembers and their families.

#### DIABETES RESEARCH

The growth of type I and type II diabetes in the United States, specifically the growing number of children, teens and young adults is of concern. The health care expenditures associated with treatment of this disease are drastically increasing. Without proper medical care, monitoring and patient education, diabetes results in health consequences and eventually death. Nutrition, early detection, diagnosis and treatment are essential to alleviate this trend.

The bill provides \$15,500,000 for the Air Force Diabetes Program. Of the funds provided, \$4,000,000 shall be for type I diabetes and \$11,500,000 shall be for type II diabetes. Within the \$11,500,000 provided for type II diabetes, \$8,500,000 shall not be obligated until a new strategic plan, including a full estimate of the program by year has been submitted to and approved by the Air Force Surgeon General.

The Air Force Surgeon General is directed to review the Diabetes Program on a monthly basis to ensure that all goals and milestones are reached prior to obligation of funding provided in fiscal year 2009. Prior to obligating funds within the limitation specified above, the Air Force Surgeon General shall submit a report to the

congressional defense committees which provides specific details for all funding provided for this program.

Finally, the Diabetes Program is directed to look at new and innovative ways such as metabolic research, physiology and holistic approaches that would be beneficial, while working in conjunction with the current program, to the military and civilian populations.

#### PEER-REVIEWED CANCER RESEARCH PROGRAM

The bill provides \$16,000,000 for a peer-reviewed cancer research program that would research cancers not addressed in the breast, prostate and ovarian cancer research programs currently executed by the Department of Defense, and specifically the U.S. Army Medical Research and Materiel Command (USAMRMC).

The funds provided are directed to be used to conduct research in the following areas: \$4,000,000 for research of melanoma and other skin cancers as related to deployments of servicemembers to areas of high exposure; \$2,000,000 for research of pediatric brain tumors within the field of childhood cancer research; \$8,000,000 for genetic cancer research and its relation to exposure to the various environments that are unique to a military lifestyle; and \$2,000,000 for non-invasive cancer ablation research into non-invasive cancer treatment including selective targeting with nanoparticles.

The funds provided under the Peer-Reviewed Cancer Research Program shall be used only for the purposes listed above. The Department of Defense is directed to provide a report by March 16, 2009, to the congressional defense committees on the status of this new Peer-Reviewed Cancer Research Program as to the relevance of this type of research for servicemembers and their families.

#### WARRIORS IN TRANSITION

Fiscal year 2008 has proven that the military's system for housing, treating, transitioning and integrating soldiers after injury is extremely challenged. The problems occurred on many levels from failed infrastructure, rehabilitative care, and administrative process, to policy incongruities between the Department of Defense and the services. Warriors in transition are defined as soldiers that meet the qualifications for medical hold, medical holdover or active duty medical extension, and active component soldiers who require a medical evaluation board or have medical needs requiring more than six months of treatment.

It is perplexing that this situation continues despite all of the effort expended to prevent it. Therefore, the bill provides an additional \$240,000,000 to the \$319,000,000 within Base Operations for facilities sustainment, restoration and modernization for the Army, Navy and Air Force, to continue improving the facilities that care for our servicemembers and their families.

The Secretary of Defense is directed to report to the congressional defense committees by March 16, 2009, on how the Department is executing the funding provided and that the funding is being used for the highest priorities as submitted by the services. Additional resources have been provided to the services in the past

and the Department must make adjustments to budget submissions to reflect these requirements of the Military Health System.

The above issues, coupled with the increasing number of soldiers entering the disability process, have adversely affected the capability to timely meet the needs of both the soldiers and the services. The process of warrior transition will continued to be followed and the Secretary of Defense is directed to report quarterly to the congressional defense committees on the status of warrior transition improvements and requirements.

#### VISION RESEARCH

The Department of the Army is continually assessing new technologies and therapies to address the ocular issues of servicemembers. Current research targets the causes, effects, and treatment of eye damage and diseases that, despite their different mechanisms and pathogenesis, all have a common end result: degeneration of the critical components of the eye and impairment or loss of vision. In order to implement therapeutic strategies to prevent or treat visual problems common to combat soldiers, the Army needs to develop and validate compounds and strategies. Therefore, the bill provides \$4,000,000 for vision research and directs the Army to target the various causes, effects and treatment of visual injury resulting from exposures to the elements during combat operations, and damage from explosive devices. This type of research will ultimately be used to ensure and sustain combat readiness.

#### PEER-REVIEWED LUNG CANCER RESEARCH

The bill includes \$20,000,000 for lung cancer research. Lung cancer is the most lethal of all cancers taking more lives each year than all the other major cancers combined. Furthermore, the five-year survival rate for lung cancer remains 15 percent and a major challenge is that 70 percent of the diagnoses are late stage. Military personnel have heightened exposure to lung cancer carcinogens. These funds shall be for competitive research and the establishment of a tissue bank. Priority shall be given to the development of the integrated components to identify, treat and manage early curable lung cancer. The Army is expected to provide a plan for these funds and to include Walter Reed Army Medical Center in the formulation of this plan. The plan shall be submitted to the congressional defense committees 120 days after enactment of this Act.

#### SPINAL CORD INJURY MEDICAL RESEARCH AND TREATMENT

Spinal cord injuries are one of the many serious wounds resulting from conflicts in Iraq and Afghanistan that require many levels of research and treatment. Significant funding has been provided for research and treatment for neuro-traumatic wounds. However, given the complexity of these types of injuries and the steep learning curve associated with establishing effective treatment regimes, there is much more to be done.

For the coming years, research into regenerating damaged spinal cords and improving rehabilitation therapies offers real promise for enhancing the long-term care of wounded soldiers. The bill provides

\$35,000,000 to establish a competitive, peer-reviewed spinal cord injury research and treatment program. The Secretary of Defense is directed to submit a report to the congressional defense committees not later than 120 days after enactment of this Act that describes the criteria to be used to determine how these funds are to be allocated.

#### PEER-REVIEWED MEDICAL RESEARCH PROGRAM

The bill provides \$50,000,000 for a Peer-Reviewed Medical Research Program. The Secretary of Defense is directed, in conjunction with the Service Surgeons General, to select medical research projects of clear scientific merit and direct relevance to military health. Research areas considered under this funding are restricted to: Alcoholism, Autoimmune Diseases, Blood Cancer, Childhood Asthma, Drug Abuse, Epilepsy, Kidney Cancer, Listeria Vaccine for infectious disease and cancer, Lupus, Mesothelioma, Molecular Signatures in Tumors, Neuroblastoma, Osteoporosis and related bone disease, Paget's Disease, Pediatric Cancer, Polycystic Kidney Disease, Social Work Research, Tinnitus, and West Nile Virus Vaccine. Additional funding provided under the Peer-Reviewed Medical Research Program shall be devoted only to the purposes listed above.

#### U.S. ARMY MEDICAL RESEARCH INSTITUTE FOR INFECTIOUS DISEASES (USAMRIID)

The community remains concerned over the Army's planned expansion of bio-safety level 3 and 4 laboratories at the U.S. Army Medical Research Institute for Infectious Diseases (USAMRIID) at Fort Detrick, Maryland. Though the Army has completed the National Environmental Policy Act process to assess the impact of the expansion on the environment, significant concerns continue to exist in the local community as to whether the assessments of potential health and safety risks and the strategies to mitigate those risks are sufficient. The Secretary of Defense is directed to enter into an arrangement with the National Academy of Sciences under which the Academy shall carry out a study to evaluate the analyses of health and safety risks to the surrounding community conducted as part of National Environmental Policy Act process for the planned expansion of bio-safety level 3 and level 4 labs of the USAMRIID, to be completed no later than March 1, 2010. The Academy shall submit to the congressional defense committees a report on the study at the same time that such report is submitted to the Secretary of Defense.

#### TRI-SERVICE NURSING RESEARCH PROGRAM

The bill includes \$6,400,000 to continue the Tri-Service Nursing Research Program. The Department of Defense is urged to include this program in future budget requests. This program provides funding for peer-reviewed research studies conducted by active duty and reserve military nurses on topics of military nursing that might not be competitive in other funding venues. This program is an essential tool for the retention of our military nurses. The Assistant Secretary of Defense for Health Affairs, in conjunction with the Service Surgeons General and the Nursing Corps Chiefs are di-

rected to provide a report to the congressional defense committees, by April 25, 2009, that details the number and topic areas of research proposals submitted and funded and a detailed accounting of the entire program, including administrative costs, overhead and travel.

#### CENTERS OF EXCELLENCE AT WRAMC/WRNMMC

This bill includes \$40,000,000 for the following Centers of Excellence at the current Walter Reed Army Medical Center: Breast Care, Gynecologic, Prostate, Pain and Neuroscience, and Integrated Cardiac Health (Wellness). These Centers are in the forefront in the advancement of modern medical care.

It is encouraging that the Department has recognized the importance of these Centers to the welfare of our servicemembers and their families and has included them in the construction plans for the new Walter Reed National Military Medical Center.

Therefore, the Secretary of Defense is directed to include funding for these centers beginning with the fiscal year 2010 budget submission.

#### LIFE-PRESERVING BLOOD TECHNOLOGIES

There are blood technologies that hold great promise to increase survival rates of our wounded military and improve standard of care. The Assistant Secretary of Defense for Health Affairs, in consultation with the Service Surgeons General, is directed to submit a report to the congressional defense committees no later than March 30, 2009, that provides an assessment of the feasibility and advisability of accelerating research, development, and fielding of blood technologies that will improve the capacity to save lives of members of the Armed Forces receiving combat medical care. The technologies to be addressed by the report shall include, but not be limited to, extended life red blood cells, cryogenic storage of white blood cells, cryo-preserved platelets, hemoglobin-based oxygen carriers, and freeze dried plasma.

#### COHORT/ACIMS

The COHORT/ACIMS project has the potential to benefit future systems integration within the Military Health System and its connectivity with the Veterans Administration. Continuation and integration of this innovative and timely technology should be made a priority by the Chief Information Officers of the Air Force Surgeon Generals Office and Health Affairs. The Department of Defense is urged to provide the necessary resources to continue this valuable development effort.

#### MEDICAL CARE IN THE NATIONAL CAPITAL REGION

The construction of "world class" hospitals at both the new Walter Reed National Military Medical Center and Fort Belvoir is a necessity. Servicemembers and their families deserve nothing less. However, there is concern that this is not going to occur under the current approach of the Department of Defense. For example, the high degree of concurrency within the program and the total lack



of adequate planning and design have resulted in an increased cost of the new Walter Reed National Military Medical Center from the estimate of \$201,000,000 in May 2005 to \$940,000,000 in early calendar year 2008. Even with these increases the Department of Defense has not included funding for eight items at the new Walter Reed National Military Medical Center, not the least of which are the Warrior Clinic, Warrior in Transition housing, enlisted housing, and parking. Furthermore, the Department of Defense and the community have yet to solve how ingress and egress will be affected to support a facility for which the daily population of patients and staff will increase by over 4,000 individuals.

The number of patient visits per year for the three existing hospitals is currently in excess of 1,500,000. The transition to two new facilities will be a daunting challenge under the best of circumstances. The Secretary of Defense is directed to provide a thorough and detailed milestone schedule which outlines projected construction completion, prove out of the facilities, and transition of staff personnel as well as the care for service members and their families to the congressional defense committees within 120 days of enactment of this Act.

#### CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE

For Chemical Agents and Munitions Destruction, Defense, funds are to be available for fiscal year 2009, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
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CHEMICAL AGENTS & MUNITIONS DESTRUCTION, DEFENSE			
CHEM DEMILITARIZATION - OPERATION AND MAINTENANCE.....	1,152,668	1,152,668	---
CHEM DEMILITARIZATION - PROCUREMENT.....	64,085	64,085	---
CHEM DEMILITARIZATION - RESEARCH, DEV, TEST & EVAL....	268,881	288,881	+20,000
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TOTAL, CHEM AGENTS & MUNITIONS DESTRUCTION, DEFENSE.	1,485,634	1,505,634	+20,000

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

	Budget Request	Recommendation
CHEM DEMILITARIZATION-O&M	1,152,668	1,152,668
CHEM DEMILITARIZATION-PROC	64,085	64,085
CHEM DEMILITARIZATION-RDTE	268,881	288,881
Blue Grass Chemical Agent Destruction Pilot Plant		20,000

440

DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES,  
DEFENSE

For Drug Interdiction and Counter-Drug Activities, Defense,  
\$1,096,743,000 is provided for fiscal year 2009.

## DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

	Budget Request	Recommendation
<b>COUNTER NARCOTICS</b>	<b>1,060,493</b>	<b>1,096,743</b>
Transit Zone Maritime Patrol Aircraft		-15,000
PC 1389 Classified		-1,000
PC 9205 EUCOM Counternarcotics Operations Support		-3,250
PC 9206 AFRICOM Counternarcotics Operations Support		-4,000
National Guard State Plans (Law Enforcement and Schools)		22,500
Alaska National Guard Counter-Drug Program		3,000
Appalachia High Intensity Drug Trafficking Area - Tennessee National Guard		4,000
Hawaii National Guard Counter-Drug Program		3,000
Indiana National Guard Counter-Drug Program		800
Kentucky National Guard Counter-Drug Program		3,600
Midwest Counter-Drug Training Center		5,000
Multi-Jurisdictional Counter-Drug Program		3,000
Nevada National Guard Counter-Drug Funding Initiative		3,500
New Mexico National Guard Counter-Drug Support Program		3,200
Northeast Counter-Drug Training Center (NCTC)		3,000
Regional Counter-Drug Training Academy, Meridian		2,500
Southwest Border Fence		1,600
West Virginia Counter-Drug Program		800

## SOUTHCOM FUNDING

Funding for numerous systems and activities is shared between SOUTHCOM's operation and maintenance budget and the Department of Defense counternarcotics budget. The Command Management System is one notable example where the division of responsibility is unclear. The Department is urged to reevaluate the methodology SOUTHCOM uses to determine which portion of these systems and activities should be funded through its normal operating budget and which should be funded through counternarcotics funding streams. This evaluation will ensure that SOUTHCOM is taking financial responsibility for its baseline programs similar to other Combatant Commanders which do not have the large counternarcotics funding streams.

## JOINT IMPROVISED EXPLOSIVE DEVICE DEFEAT FUND

The bill does not provide funding for the Joint Improvised Explosive Device Defeat Organization. The request of \$496,300,000 was addressed in the previously enacted fiscal year 2009 supplemental appropriations. Additional requirements will be addressed in subsequent supplemental appropriations for fiscal year 2009.

## TERRORIST EXPLOSIVE DEVICE ANALYTICAL CENTER

The Joint IED Defeat Organization (JIEDDO) is to be commended on its work with the Federal Bureau of Investigation's Terrorist Explosive Device Analytical Center (TEDAC) to provide a unified partnership between law enforcement, intelligence, and the U.S. military to technically and forensically exploit IEDs. This relationship is yielding actionable intelligence that contributes to offensive anti-terror missions and to the force protection of the United States and coalition assets around the globe. The JIEDDO is encouraged to maintain and cultivate this relationship in the future.

## OFFICE OF THE INSPECTOR GENERAL

For the Office of the Inspector General, \$271,845,000 is provided for fiscal year 2009.

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
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OFFICE OF THE INSPECTOR GENERAL			
OFFICE OF THE INSPECTOR GENERAL			
OPERATION AND MAINTENANCE.....	246,445	270,445	+24,000
PROCUREMENT.....	1,400	1,400	---
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TOTAL, OFFICE OF THE INSPECTOR GENERAL.....	247,845	271,845	+24,000

TITLE VII—RELATED AGENCIES

For Related Agencies, funds are to be available for fiscal year 2009, as follows:



(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	RECOMMENDED	CHANGE FROM REQUEST
-----			
TITLE VII			
RELATED AGENCIES			
Central Intelligence Agency Retirement and Disability System Fund.....	279,200	279,200	---
Intelligence Community Management Account.....	685,042	710,042	+25,000
Transfer to Department of Justice.....	(19,500)	(44,000)	(+24,500)
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Total, title VII, Related agencies.....	964,242	989,242	+25,000
	=====	=====	=====

## CLASSIFIED ANNEX

Adjustments to the classified programs are addressed in a separate detailed and comprehensive classified annex. The Intelligence Community, Department of Defense and other organizations are expected to fully comply with the recommendations and directions in the classified annex accompanying the Department of Defense Appropriations Act, 2009.

CENTRAL INTELLIGENCE AGENCY RETIREMENT AND DISABILITY  
SYSTEM FUND

For the Central Intelligence Agency Retirement and Disability Fund, \$279,200,000 is provided for fiscal year 2009.

## INTELLIGENCE COMMUNITY MANAGEMENT ACCOUNT

(INCLUDING TRANSFER OF FUNDS)

For the Intelligence Community Management Account, \$710,042,000 is provided for fiscal year 2009, as follows:

## EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget re- quest	Recommended
Intelligence Community Management Account .....	685,042	710,042
Language Mentorship Program incorporating an electronic portfolio .....		800
National Drug Intelligence Center (\$22.5 million for NDIC, \$2 million for Department of Air Force Personnel) .....	19,500	44,000
Total, ICMA .....	685,042	710,042

The bill provides for a transfer of \$44,000,000 to the Department of Justice for the National Drug Intelligence Center to support the Department of Defense's counter-drug intelligence responsibilities, of which \$2,000,000 is for reimbursement for Air Force personnel.

INTELLIGENCE COMMUNITY HIGHLY QUALIFIED EMPLOYEE (HQE)  
AUTHORITY

Within 30 days of the enactment of this Act, the Director of National Intelligence is directed to implement the highly-qualified-employee, "HQE" authority throughout the Intelligence Community. The Department of Defense first successfully used this authority to hire a business systems expert to help the Secretary of Defense work toward a clean financial audit opinion on annually appropriated defense funds. The Director of National Intelligence is directed to follow precedence in fiscal year 2009 and use this hiring authority to supplement the Business Transformation Office with at least seven private sector business systems experts. Taking this step will assist the Intelligence Community in implementing tools and techniques which will improve the National Intelligence Program and the Military Intelligence Program business processes and overall financial management.

## INTELLIGENCE COMMUNITY FACILITIES/REAL ESTATE MANAGEMENT

The Director of National Intelligence is directed to develop a coordinated strategy and subsequent Community-wide policy for meeting its future validated infrastructure needs. Further, the Director of National Intelligence is directed to provide the congressional intelligence committees with an Intelligence Community Facilities Management Strategy and a Facilities Condition Index for all Intelligence Community buildings over 20,000 square feet within 180 days of enactment of this Act. Finally, future Intelligence Community infrastructure requests should include a greater influence of “green” or sustainable building practices. The American people expect the Community to be a leader when it comes to cutting edge technologies, and embracing ideas such as “green” buildings should be prominent in all future infrastructure strategy documents.

## INTELLIGENCE COMMUNITY CHIEF HUMAN CAPITAL OFFICER

The Intelligence Community Civilian Joint Duty Program has the potential to break down barriers to information sharing and collaboration, transform the culture of the Intelligence Community, and help the Community achieve its strategic goals. All Intelligence Community elements are directed to participate fully in the program and the Community’s senior leadership is expected to support the program, encourage their employees to take rotational assignments, and break down any bureaucratic barriers to the smooth implementation of the program as required by law. Further, that the Intelligence Community has studied other pay-for-performance efforts, both within the Community and the rest of government is encouraging. The executive branch started implementing this effort on September 14, 2008, and therefore the Intelligence Community is directed to ensure that full implementation of the system follows the principles of merit, transparency and fairness in a manner which is deliberate and methodical. Finally, semi-annual updates are expected to be provided to the Committees on Appropriations beginning within 30 days of the enactment of this Act.

## CONTROLLED ACCESS PROGRAMS

The Director of National Intelligence shall provide notification of the establishment of National Intelligence Program-funded Controlled Access Programs to the congressional intelligence committees.

## NATIONAL DRUG INTELLIGENCE CENTER

The National Drug Intelligence Center’s mission includes providing strategic domestic intelligence, supporting the intelligence community’s counterdrug efforts and document exploitation. The National Drug Intelligence Center has already been tasked to produce a drug threat assessment which examines the illicit drug trade in Iraq and the threat it poses to United States interests. The National Drug Intelligence Center’s document exploitation capability is already recognized throughout the law enforcement community as an invaluable aid to advancing the investigation and

prosecution of drug traffickers, money launderers, or any criminal intent on attacking the national security interests of the United States. The Director of National Intelligence is directed to assess the National Drug Intelligence Center's capabilities and report to the congressional intelligence committees on those capabilities within 180 days of enactment of this Act.

#### TITLE VIII—GENERAL PROVISIONS

The bill includes the following general provisions. A description of each provision follows.

Language is included that provides that no funds made available in this Act may be used for publicity or propaganda purposes not authorized by Congress.

Language is included that provides for conditions and limitations on the payment of compensation to, or employment of, foreign nationals.

Language is included that provides that no funds made available in this Act may be obligated beyond the end of the fiscal year unless a greater period of availability is provided elsewhere in the Act.

Language is included that provides a 20 percent limitation on the obligation of funds provided in this Act during the last two months of the fiscal year.

Language is included that provides for the general transfer authority of working capital funds to other military functions.

Language is included specifying that adjustments to programs, projects, and activities included in the "Explanation of Project Level Adjustments" that are increases above the budget are incorporated into law. Transfers within an appropriation account, among programs, projects and activities do not require general transfer authority as stipulated in Section 8005 of the accompanying Act. However, such transfers are subject to normal prior approval reprogramming procedures if such transfers exceed thresholds described elsewhere in this statement. Transfers between appropriation accounts are subject to the provisions of Section 8005 of the accompanying Act, and are also subject to prior congressional approval.

Language is included that provides for the establishment of a baseline for application of reprogramming and transfer authorities for fiscal year 2009.

Language is included that provides for upgrades to Air Force Ranges in Alaska.

Language is included that provides for limitations on the use and transfer authority of working capital fund cash balances.

Language is included that provides that none of the funds appropriated in this Act may be used to initiate a special access program without prior notification to the congressional defense committees.

Language is included that provides limitations and conditions on the use of funds made available in this Act to initiate multi-year contracts.

Language is included that provides for the use and obligation of funds for humanitarian and civic assistance costs under Chapter 20 of title 10, United States Code.

Language is included that provides that civilian personnel of the Department may not be managed on the basis of end strength or be subject to end strength limitations.

Language is included that prohibits funds made available in this Act from being used to influence congressional action on any matters pending before the Congress.

Language is included that prohibits compensation from being paid to any member of the Army who is participating as a full-time student and who receives benefits from the Department of Defense Education Benefits Fund when time spent as a full-time student is counted toward that member's service commitment.

Language is included that restricts studies and public private competitions regarding converting any activity or function performed by civilian employees of the Department of Defense to contractor performance with certain exceptions.

Language is included that provides for the transfer of funds appropriated in title III of this Act for the Department of Defense Pilot Mentor-Protégé Program.

Language is included that provides for the Department of Defense to purchase anchor and mooring chains manufactured only in the United States.

Language is included that prohibits funds made available to the Department of Defense from being used to demilitarize or dispose of surplus firearms.

Language is included that provides a limitation on funds being used for the relocation of any Department of Defense entity into or within the National Capital Region.

Language is included that provides for incentive payments authorized by section 504 of the Indian Financing Act of 1974 (25 U.S.C. 1544).

Language is included that provides that no funds made available in this Act for the Defense Media Activity may be used for national or international, political or psychological activities.

Language is included that restricts funds from being used to perform cost studies under OMB Circular A-76.

Language is included that provides for the obligation of funds for purposes specified in section 2350j(c) of title 10, United States Code.

Language is included that makes funds available for the Civil Air Patrol Corporation.

Language is included that provides for the number of staff years of technical effort that may be funded for defense Federally Funded Research and Development Centers (FFRDC).

Language is included that provides for the Department of Defense to procure carbon, alloy or armor steel plate melted and rolled only in the United States and Canada.

Language is included that defines the congressional defense committees as being the Armed Services Committees and the Subcommittees on Defense of the Committees on Appropriations of the House of Representatives and Senate.

Language is included that provides for competitions between private firms and Department of Defense Depot Maintenance Activities.

Language is included that provides for revocation of blanket waivers of the Buy American Act upon a finding that a country has violated a reciprocal trade agreement by discriminating against products produced in the United States that are covered by the agreement.

Language is included that provides for the availability of funds for purposes specified in section 2921(c)(2) of the 1991 National Defense Authorization Act, namely facility maintenance and repair and environmental restoration at military installations in the United States.

Language is included that provides for the conveyance, without consideration, of relocatable housing units located at Grand Forks and Minot Air Force Bases to Indian Tribes located in North and South Dakota, Montana, and Minnesota.

Language is included that provides authority to use operation and maintenance appropriations to purchase items having an investment item unit cost of not more than \$250,000.

Language is included that prohibits the use of Working Capital Funds to purchase specified investment items.

Language is included that provides that none of the funds appropriated for the Central Intelligence Agency shall remain available for obligation beyond the current fiscal year except for funds appropriated for the Reserve for Contingencies, the Working Capital Fund, or certain other programs authorized under section 503 of the National Security Act.

Language is included that provides that funds available for the Defense Intelligence Agency may be used for intelligence communications and intelligence information systems for the Services, the Unified and Specified Commands, and the component commands.

Language is included that provides for the availability of funds for the mitigation of environmental impacts on Indian lands resulting from Department of Defense activities.

Language is included that provides for the Department of Defense to comply with the Buy American Act (title III of the Act entitled "An Act making appropriations for the Treasury and Post Office Departments for the fiscal year ending June 30, 1934, and for other purposes").

Language is included that provides conditions under which contracts for studies, analyses or consulting services may be entered into without competition on the basis of an unsolicited proposal.

Language is included that provides for the limitations of funds made available in this Act to establish Field Operating Agencies.

Language is included that provides grant authorities for the Department of Defense acting through the Office of Economic Adjustment.

(RESCISSIONS)

Language is included that provides for the rescission of \$1,320,473,000 from the following programs:

2008 Appropriations:	
Aircraft Procurement, Army:	
Armed Reconnaissance Helicopter .....	\$174,600,000
Procurement of Ammunition, Army:	
Signals .....	69,200,000

Shipbuilding and Conversion, Navy:	
Littoral Combat Ship .....	337,000,000
Research, Development, Test and Evaluation, Army:	
MILSATCOM Ground Environment (Space) .....	49,800,000
Research, Development, Test and Evaluation, Air Force:	
Classified Programs .....	50,000,000
DSRP .....	163,573,000
Tanker Replacement .....	72,000,000
Electronic Warfare Development-MALD Schedule Delay ....	14,500,000
Research, Development, Test and Evaluation, Defense-Wide:	
DARPA .....	150,000,000
Tanker Replacement Transfer Fund .....	239,800,000

Language is included that prohibits funds made available in this Act from being used to reduce authorized positions for military (civilian) technicians of the Army National Guard, Air National Guard, Army Reserve and Air Force Reserve unless such reductions are a direct result of a reduction in military force structure.

Language is included that provides that none of the funds made available in this Act may be obligated or expended for assistance to the Democratic People's Republic of Korea unless appropriated for that purpose.

Language is included that provides for reimbursement to the National Guard and Reserve when members of the National Guard and Reserve provide intelligence or counterintelligence support to the Combatant Commands, Defense Agencies and Joint Intelligence Activities.

Language is included that prohibits funds made available in this Act from being used to reduce civilian medical and medical support personnel assigned to military treatment facilities below the September 30, 2003, level unless the Service Surgeons General certify to the congressional defense committees that it is a responsible stewardship of resources to do so.

Language is included that provides that Defense and Central Intelligence Agencies' drug interdiction and counter-drug activity funds may not be transferred to other agencies unless specifically provided in an appropriations law.

Language is included that prohibits the use of funds appropriated by this Act for the procurement of ball and roller bearings other than those produced by a domestic source and of domestic origin.

Language is included that provides for the Department of Defense to purchase supercomputers manufactured only in the United States.

Language is included that prohibits the use of funds made available in this or any other Act to transfer administrative responsibilities or budgetary resources of any program, project, or activity financed by this Act to the jurisdiction of another Federal agency not financed by this Act without expressed authorization of the Congress.

Language is included that provides for prior congressional notification of article transfers to international peacekeeping organizations.

Language is included that prohibits the use of funds made available in this Act for contractor bonuses from being paid due to business restructuring.

Language is included that provides for the transfer of funds to be used to support personnel supporting approved non-traditional defense activities.

Language is included that provides for the Department of Defense to dispose of negative unliquidated or unexpended balances for expired or closed accounts.

Language is included that provides conditions for the use of equipment of the National Guard Distance Learning Project on a space-available, reimbursable basis.

Language is included that provides for the availability of funds provided by this Act to implement cost-effective agreements for required heating facility modernization in the Kaiserslautern Military Community, Germany.

Language is included that provides for the limitation on the use of funds appropriated in Title IV to procure end-items for delivery to military forces for operational training, operational use or inventory requirements.

Language is included that provides in perpetuity for the use of funds made available in this Act for the transportation of relief supplies to American Samoa and the Indian Health Service.

Language is included that prohibits the use of funds made available in this Act from being used to approve or license the sale of the F-22A advanced tactical fighter to any foreign government.

Language is included that provides for a waiver of the "Buy America" provisions for certain cooperative programs.

Language is included that prohibits the use of funds made available in this Act to support the training of members of foreign security forces who have engaged in gross violations of human rights.

Language is included that provides for the Department to develop, lease or procure T-AKE class ships with main propulsion engines and propulsors manufactured only in the United States by a domestically operated entity.

Language is included that prohibits the use of funds made available in this Act for repairs or maintenance to military family housing units.

Language is included that provides obligation authority for new starts for advanced concept technology demonstration projects only after notification to the congressional defense committees.

Language is included that provides that the Secretary of Defense shall provide a classified quarterly report on certain matters as directed in the classified annex accompanying this Act.

Language is included that prohibits the use of funds made available to the Department of Defense to provide support to an agency that is more than 90 days in arrears in making payments to the Department of Defense for goods or services provided on a reimbursable basis.

Language is included that provides for the use of National Guard personnel to support ground-based elements of the National Ballistic Missile Defense System.

Language is included that prohibits the use of funds made available in this Act to transfer to any nongovernmental entity ammunition held by the Department of Defense that has a center-fire cartridge and is designated as "armor piercing" except for demilitarization purposes.



Language is included that provides for a waiver by the Chief, National Guard Bureau or his designee for all or part of consideration in cases of personal property leases of less than one year.

Language is included that prohibits funds made available in this Act from being used to purchase alcoholic beverages.

Language is included that provides for the use of funds made available to the Department of Defense for the Global Positioning System.

Language is included that provides for the transfer of funds made available in this Act under "Operation and Maintenance, Army" to other activities of the Federal Government for classified purposes.

Language is included that provides for the forced matching of disbursement and obligations made by the Department of Defense in fiscal year 2009.

Language is included that provides grant authority for the construction and furnishing of additional Fisher Houses to meet the needs of military family members when confronted with the illness or hospitalization of an eligible military beneficiary.

Language is included that provides the Secretary of Defense, in coordination with the Secretary of Health and Human Services, the authority to distribute surplus dental and medical equipment to Indian Health Service facilities and to federally-qualified health centers.

Language is included that provides funding and transfer authority for the Arrow Missile Defense Program.

Language is included that provides for the transfer of funds to properly complete prior year shipbuilding programs.

Language is included that none of the funds available to the Department of Defense may be obligated to modify command and control relationships to give Fleet Forces Command administrative and operational control of U.S. Navy forces assigned to the Pacific Fleet.

Language is included that provides for the noncompetitive appointments of certain medical occupational specialties, as prescribed by section 7403(g) of Title 38, United States Code.

Language is included that provides that funds made available in this Act are deemed to be specifically authorized by Congress for purposes of section 504 of the National Security Act of 1947.

Language is included that prohibits the use of funds made available in this Act to initiate a new start program without prior written notification.

Language is included that provides authority for the Secretary of the Army to make a grant only to the Center for Military Recruitment, Assessment and Veterans Employment.

Language is included that provides funds for public schools with unusually high concentrations of special needs military dependents.

Language is included which provides the Secretary of Defense the authority to make grants in the amounts specified.

Language is included that directs the financing, development and fielding of the Non-Line-of-Sight Cannon, including the delivery of pre-production prototypes.

Language is included that provides that the budget request for fiscal year 2010 shall include separate budget justification docu-

ments for costs of the United States Armed Forces' participation in Contingency Operations for military personnel, operation and maintenance, and procurement accounts.

Language is included that prohibits funds made available in this Act from being used for the research, development, test, evaluation, procurement or deployment of nuclear armed interceptors of a missile defense system.

Language is included that permits Operation and Maintenance, Navy funds to be used to repair, maintain and operate flood control systems adjacent to the Pacific Missile Range Facility.

Language is included that prohibits funds made available in this Act from being used to reduce or disestablish the operation of the 53rd Weather Reconnaissance Squadron of the Air Force Reserve.

Language is included that prohibits funds made available in this Act from being used for the integration of foreign intelligence information unless the information has been lawfully collected and processed during conduct of authorized foreign intelligence activities.

Language is included that provides that at the time members of Reserve components of the Armed Forces are called or ordered to active duty, each member shall be notified in writing of the expected period during which the member will be mobilized.

Language is included that provides that the Secretary of Defense may transfer funds from any available Department of the Navy appropriation to any available Navy ship construction appropriation to liquidate costs caused by rate adjustments or other economic factors.

Language is included that provides for the use of current and expired Shipbuilding and Conversion, Navy subdivisions to reimburse the Judgment Fund.

Language is included that prohibits transfer of program authorities relating to current tactical unmanned aerial vehicles (TUAV) from the Army.

Language is included that provides in perpetuity limitations for the reimbursement of any health care provider for inpatient mental health services.

Language is included that provides authorities to the Joint Interagency Training and Education Center, for homeland defense/security and traditional warfighting training.

Language is included that provides authority to the Secretary of Defense to adjust wage rates for civilian employees hired for certain health care occupations.

Language is included that provides permanent authority to conduct a continuing cooperative program in the proviso in title II of Public Law 102-368 under the heading "Research Development, Test and Evaluation, Defense Agencies".

Language is included that provides the U. S. Pacific Command the authority to obligate funds for humanitarian and security assistance within the theater of operation.

Language is included that has been added and limits the obligation authority of funds provided for the Director of National Intelligence to the current fiscal year except for research and technology which shall remain available for the current and the following fiscal years.

Language is included to adjust the budget by Congressional Budget Office inflation indices.

Language is included that provides for the adjustment of obligations within the Shipbuilding and Conversion, Navy appropriation.

Language is included that provides that not more than 35 percent of the funds made available in this Act for environmental remediation may be obligated under indefinite delivery/indefinite quantity contracts with a total contract value of \$130,000,000 or higher.

Language is included that provides for the creation of a major force program category for space for the Future Year Defense Program of the Department of Defense.

Language is included that prohibits award fees to any defense contractor contrary to the provisions of section 814 of the National Defense Authorization Act, Fiscal Year 2007 (Public Law 109-364).

Language is included that prohibits the use of funds made available in this Act to establish any permanent military installation or base in Iraq.

Language is included that requires the Intelligence Community to submit certain budget exhibits, as described in the Department of Defense Financial Management Regulation, for procurement and research, development, test and evaluation programs.

Language is included that prohibits the use of funds made available in this Act to contravene laws enacted or regulations promulgated to implement the United Nations Convention Against Torture and Other Cruel, Inhuman or Degrading Treatment or Punishment.

Language is included that provides limitations on the use of funds made available in this Act to pay negotiated indirect cost rates on agreements or arrangements between the Department of Defense and nonprofit institutions.

Language is included that directs the Secretary of Defense to maintain on the Department of Defense website a link to Office of the Inspector General of the Department of Defense.

Language is included that prohibits transfers of funds until the Director of National Intelligence submits a baseline for application of reprogramming and transfer authorities.

Language is included that directs the Director of National Intelligence to provide a future-years intelligence program with the President's budget submission to Congress.

Language is included that defines congressional intelligence committees.

Language is included that directs that the Department continue to report incremental contingency operations costs for Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF) on a monthly basis in the Cost of War Execution Report as required by Department of Defense Financial Management Regulation.

Language is included that provides for a transfer of lands, easements, Air Installation Compatible Use Zones, and facilities at NASJRB Willow Grove.

Language is included that provides for stop loss special pay.

Language is included that extends the statute of limitations during wartime.

Language is included that provides for incentives of downblending of highly enriched uranium by the Russian Federation.

Language is included that provides for a reduction of excess cash balances in the Department of Defense Working Capital Funds.

#### DISCLOSURE OF EARMARKS AND CONGRESSIONALLY DIRECTED SPENDING ITEMS

Following is a list of congressional earmarks and congressionally directed spending items (as defined in clause 9 of rule XXI of the Rules of the House of Representatives and rule XLIV of the Standing Rules of the Senate, respectively) included in the bill or this explanatory statement, along with the name of each Senator, House Member, Delegate, or Resident Commissioner who submitted a request to the Committee of jurisdiction for each item so identified. Neither the bill nor the explanatory statement contains any limited tax benefits or limited tariff benefits as defined in the applicable House and Senate rules.

**DEFENSE**

Account	Project	Amount	Requester(s)	
			House	Senate
AP,A	Air Warrior-Joint Service Vacuum Packed Life Raft (AW-JSVPLR)	\$2,400,000	Young (FL)	
AP,A	Aircraft Component Remediation	1,600,000		Sessions
AP,A	CAAS—Pilot Vehicle Interface	1,600,000	Hincey	Grassley, Harkin, Schumer
AP,A	Cockpit Air Bag System (CABS)	1,600,000	Pastor	
AP,A	Forward Looking Infrared System for New York National Guard	1,600,000	King (NY), Arcuri, Gillibrand, Hall (NY), Israel	Schumer
AP,A	HH-60A to HH-60L Upgrades for the 204th TN ARNG	8,000,000		Alexander
AP,A	Light Utility Helicopter	32,600,000		Cochran, Wicker
AP,A	UH-60 Improved Communications (ARC 220) for the ARNG	1,600,000	Latham, Bishop (UT)	Bennett, Grassley, Harkin, Hatch, Landrieu
AP,A	UH-60 MEDEVAC Thermal Imaging Upgrades	1,600,000	Capps, Hooley	Smith, Wyden
AP,A	UH-60A Rewiring Program	5,000,000	Granger	
AP,A	Vibration Management Enhancement Program	800,000		Graham
AP,A	Vibration Management Enhancement Program	2,500,000		Feinstein
AP,A	Vibration Management Enhancement Program (Note: For SC ARNG)	2,000,000	Clyburn	
AP,AF	C-130 Active Noise Cancellation System (ANCS)	1,600,000	Tiahrt	
AP,AF	Civil Air Patrol	5,000,000	Tiahrt	Roberts
AP,AF	F-15 Improved Radio Communications (ARC 210)	2,400,000		Harkin, Hatch, Grassley, Landrieu, Smith, Wyden

**DEFENSE—Continued**

Account	Project	Amount	Requester(s)	
			House	Senate
AP,AF	F-15C/D MSGS Retrofit	5,000,000		Grassley, Harkin
AP,AF	F-16C Fire Control Computers for the 114th Fighter Wing	1,440,000	Hereth Sandlin	Johnson, Thune
AP,AF	Large Aircraft Infrared Countermeasure for MC-130P aircraft	3,200,000		Martinez
AP,AF	RC-26B Modernization	7,200,000	Granger, Bishop (GA), Lampson, Rogers (AL)	Bingaman, Murray, Nelson (FL), Shelby
AP,AF	Scathe View for NV ANG	400,000	Berkley, Porter	Reid
AP,AF	SENIOR SCOUT Beyond Line-of-Sight SATCOM Data Link	7,000,000	Cannon	Bennett, Hatch
AP,AF	Smart Bomb Rack Unit (S-BRU) Upgrade	1,600,000	Hereth Sandlin	Johnson, Thune
AP,AF	USAF Senior Scout Digital Rio Raton ELINT System	800,000	Hobson	
AP,N	AAR-47 Missile Advanced Warning System	4,000,000	Young (FL)	Nelson (FL)
AP,N	Advanced Helicopter Emergency Egress Lighting System	1,600,000	Alexander, Melancon	Landrieu, Vitter
AP,N	Advanced Skills Management (ASM) System	1,200,000	Dicks, Insee	Cantwell, Murray
AP,N	ANAVS-7 Day Heads-Up Display (DayHUD)	5,000,000	Granger	Bond
AP,N	C4ISR Operations and Training	4,000,000	Murtha	
AP,N	Common ECM Equipment (ALQ-214)	2,800,000		Lugar
AP,N	Crane NSWC IDECM Depot Capability	1,600,000	Ellsworth	Bayh
AP,N	Direct Squadron Support Readiness Training Program	3,200,000		Byrd

AP/N	F/A-18 Expand 4/5 Upgrade for USMC	7,600,000	Pickering	Cochran, Wicker
AP/N	Integrated Mechanical Diagnostics Health and Usage Management System and Condition Based Maintenance for the H-53E	4,000,000		Burr, Johnson, Leahy, Thune
AP/N	Network Centric Collaborative Targeting (NCCT) for P-3C Aircraft	3,200,000	Granger	
CHEM DEMIL	Blue Grass Chemical Agent Destruction Pilot Plant	20,000,000		McConnell
DHP	AFIP/Joint Pathology Center (JPC) Records Digitization and Repository Modernization	20,000,000		Byrd
DHP	Cancer Immunotherapy and Cell Therapy Initiative (Note: Department of Defense Military Health System Enhancement)	1,600,000	McGovern, Olver	
DHP	Comprehensive Clinical Phenotyping and Genetic Mapping for the Discovery of Autism Susceptibility Genes (Note: Within Military Dependents Populations)	1,600,000	Pryce	
DHP	Copper Antimicrobial Research Program	1,600,000	Arcuri, Costello, Higgins, Loebbeck, Murphy (CT)	Casey, Dodd, Durbin, Grassley, Harkin, Lieberman, Schumer
DHP	Customized Nursing Programs	800,000	Bishop (GA)	
DHP	Dedicated Breast MRI System for WRAMC/WRNMMC	1,600,000	Tierney	Kennedy
DHP	Department of Defense Brain Injury Rescue and Rehabilitation Project (BIRR)	1,200,000	Alexander, Melancon	
DHP	Digital Accessible Personal Health Electronic Record	800,000		Harkin
DHP	DoD/VA Blind Rehabilitation and Training Pilot	800,000	Jefferson	Landrieu, Salazar
DHP	Enhanced Medical Situational Awareness	2,400,000		Kohl
DHP	Epidemiologic Health Survey at the Iowa Army Ammunition Plant	800,000	Loebbeck	Harkin
DHP	Fort Drum Regional Health Planning Organization	640,000	McHugh	
DHP	Hawaii Federal Health Care Network	23,000,000		Inouye
DHP	Health Research and Disparities Eradication Program	6,500,000	Clyburn	

**DEFENSE—Continued**

Account	Project	Amount	Requester(s)	
			House	Senate
DHP	Health Technology Integration for Clinical, Patient Records and Financial Management Related to the Military	400,000	Lowe	
DHP	Identifying Health Barriers for Military Recruits	3,000,000	Cyburn	
DHP	Integrated Patient Electronic Records System for Application to Defense Information Technology	1,200,000	Lee	
DHP	Integrated Translational Prostate Disease Research at Walter Reed	4,000,000		Stevens
DHP	Lung Injury Management Program	1,200,000	Meeks	Corker
DHP	Madigan Army Medical Center Digital Pen	200,000	Smith (WA)	
DHP	Madigan Army Medical Center Trauma Assistance Center	1,600,000	Dicks, Smith (WA)	Murray
DHP	Management of the Wounded Soldier from Air Evacuation to Rehabilitation	2,500,000	Berkley	Reid
DHP	Microencapsulation and Vaccine Delivery	800,000	Edwards (TX)	
DHP	Military Physician Combat Medical Training	1,000,000	Brown (FL)	Martinez
DHP	Military Trauma Training Program	800,000	Ruppersberger	
DHP	Mobile Diabetes Management	1,600,000	Ruppersberger, Sarbanes	Cardin
DHP	Neureguin Research	1,520,000	Bishop (GA), Lewis (GA), Scott (GA)	Isakson
DHP	Neuroscience Clinical Gene Therapy Center (OSUMC)	800,000	Pryce	
DHP	Operating Room of the Future for Application to Mobile Army Surgical Hospital Improvements	2,400,000	Roybal-Allard	



DHP	Pacific Based Joint Information Technology Center (JITC)	4,800,000	Inouye
DHP	Pediatric Health Information System for Medical Charting and Research Related to Military Health Care	400,000	Lowe
DHP	Pediatric Medication Administration Product and Training	800,000	LaHood
DHP	Pharmacological Countermeasures to Ionizing Radiation	800,000	Ramstad
DHP	Proton Therapy	4,800,000	Foster, Davis (IL)
DHP	Pseudofolliculitis Barbae (PFB) Topical Treatment	800,000	Durbin
DHP	Research to Improve Emotional Health and Quality of Life of Servicemembers with Disabilities	2,400,000	Bond
DHP	Reservist Medical Simulation Training Program	800,000	Castor
DHP	Security Solutions from Life in Extreme Environments Center	1,200,000	Hobson
DHP	Severe Disorders of Consciousness (IBRF) (Note: Department of Defense Health System Enhancement)	6,400,000	Cummings, Sarbanes
DHP	Stress Disorders Research Initiative at Fort Hood	1,600,000	Crowley, Pascrell
DHP	Theater Enterprise Wide Logistics System (TEWLS)	2,000,000	Edwards (TX)
DHP	Vanadium Safety Readiness	1,600,000	Sestak
DHP	Web-based Teaching Programs for Military Social Work	3,200,000	Casey, Specter
DHP	Wide Angle Virtual Environment for USHUS	4,000,000	Brown, Casey, Dodd, Lieberman, Lincoln, Pryor
DPA	ALON and Spinel Optical Ceramics	4,000,000	Roybal-Allard
DPA	Armor and Structures Transformation Initiative—Steel to Titanium	3,200,000	Van Hollen
DPA	Automated Composite Technologies and Manufacturing Center	5,000,000	Bono Mack, Higgins, Tierney
			Feinstein, Kerry
			Murtha
			Bishop (UT), Cannon
			Bennett, Hatch

**DEFENSE—Continued**

Account	Project	Amount	Requester(s)	
			House	Senate
DPA	Carbon Foam Program	9,600,000		Byrd
DPA	Domestic Production of Transparent Polycrystalline Laser Gain Materials	5,200,000	Blirakis, Brown-Waite, Altmire, Dingell	Casey, Levin
DPA	Extremely Large, Domestic Expendable and Reusable Structures Manufacturing Center (ELDERS)	8,000,000	Cramer	Cochran, Shelby, Wicker
DPA	High Homogeneity Optical Glass	3,200,000		Specter
DPA	High Performance Thermal Battery Infrastructure Project	3,000,000	Young (FL)	
DPA	Hybrid Plastics and POSS Nanotechnology Engineering Scale-Up Initiative	3,000,000		Cochran, Wicker
DPA	Lightweight Small Caliber Ammunition Production Initiative	4,200,000		Cochran, Wicker
DPA	Low Cost Military Global Positioning System (GPS) Receiver	4,000,000	Braley, Loebsack, Boswell	Grassley, Harkin
DPA	Military Lens Fabrication and Assembly	2,400,000	Murtha	Specter
DPA	Production of Miniature Compressors for Electronics and Personal Cooling	1,000,000	Rogers (KY)	
DPA	Reactive Plastic CO2 Absorbent Production Capacity	1,600,000		Biden, Carper
DPA	Read Out Integrated Circuit Manufacturing Improvement	1,600,000	Simpson	Craig, Crapo
DPA	Silicon Carbide Armor Manufacture Initiative	2,000,000		Bunning
DPA	Titanium Metal Matrix Composite and Nano Enhanced Titanium Development	3,200,000		Byrd
DRUGS	Alaska National Guard Counter Drug Program	3,000,000		Stevens
DRUGS	Appalachia High Intensity Drug Trafficking Area—Tennessee National Guard	4,000,000	Tanner	Corker, Alexander

DRUGS	Hawaii National Guard Counterdrug	3,000,000	Inouye
DRUGS	Indiana National Guard Counter Drug Program	800,000	Vislosky
DRUGS	Kentucky National Guard Counterdrug Program	3,600,000	Rogers (KY)
DRUGS	Midwest Counterdrug Training Center	5,000,000	Grassley, Harkin
DRUGS	Multi-Jurisdictional Counter-Drug Program	3,000,000	Young (FL)
DRUGS	Nevada National Guard Counter Drug Funding Initiative	3,500,000	Berkley
DRUGS	New Mexico National Guard Counterdrug Support Program	3,200,000	Udall (NM)
DRUGS	Northeast Counterdrug Training Center (NCTC)	3,000,000	Cummings
DRUGS	Regional Counter Drug Training Academy, Meridian	2,500,000	Pickering
DRUGS	Southwest Border Fence	1,600,000	Hunter
DRUGS	West Virginia Counter-drug Program	800,000	Byrd
GP	Helmets to Hardhats	3,000,000	Ryan (OH)
GP	Joint Venture Education Program	5,500,000	Inouye
GP	Presidio Heritage Center	1,750,000	Pelosi
GP	Project SOAR	4,750,000	Pelosi, Braley
GP	Special Olympics International	3,000,000	Grassley, Harkin
GP	STEM Education Research Center	5,000,000	Craig, Harkin
GP	USS Missouri	9,900,000	Inouye
GP	Waterbury Industrial Commons Redevelopment Project	15,000,000	Lieberman
ICMA	Language Mentorship Program Incorporating an Electronic Portfolio	800,000	Boswell

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
ICMA	National Drug Intelligence Center	24,500,000	Murtha	
INTEL	Biometric Research	2,000,000		Rockefeller
INTEL	Intelligence Community Academic Outreach	1,600,000		Hatch
INTEL	Intelligence Training Program	200,000		Rockefeller
INTEL	Littoral Net Centric Operations	2,400,000		Rockefeller
INTEL	National Media Exploitation Center	9,000,000		Rockefeller
MILPERS,ANG	Crypto-Linguist/Intelligence Officer Initiative	2,720,000		Hagel, Nelson (NE)
MILPERS,ANG	Joint Interagency Training and Education Center	650,000		Byrd
MILPERS,ANG	WMD Civil Support Team for Florida	400,000	Young (FL)	
MILPERS,ANG	WMD Civil Support Team for New York State	304,000	Fossella, Bishop (NY), Clarke, Gillibrand, Hall (NY), King (NY), Maloney, McCarthy (NY)	
MILPER-S,ARRNG	Joint Interagency Training and Education Center	3,600,000		Byrd
MILPER-S,ARRNG	WMD Civil Support Team for Florida	1,200,000	Young (FL)	
MILPER-S,ARRNG	WMD Civil Support Team for New York State	1,627,000	Fossella, Bishop (NY), Clarke, Gillibrand, Hall (NY), King (NY), Maloney, McCarthy (NY)	
MP,A	PATRIOT Tactical Command Station (TCS) / Battery Command Post (BCP)	2,400,000		Sessions, Shelby

NDSF	RRF Training Ship Upgrades	10,000,000	Delahunt, Olver, Shays, Tsongas	Kennedy, Kerry
OM,A	49th Missile Defense Battalion Infrastructure and Security Upgrades	2,200,000		Stevens
OM,A	Air Battle Captain	1,600,000	Pomeroy	Conrad, Dorgan
OM,A	Air-Supported Temper Tent	5,000,000	Rogers (KY)	
OM,A	Army Battery Management Program Utilizing Pulse Technology Project	800,000	Sessions	
OM,A	Army Command and General Staff College Leadership Training	1,600,000	Boyd	
OM,A	Army Condition-Based Maintenance	2,400,000		Feinstein
OM,A	Army Conservation and Ecosystem Management	4,000,000		Inouye
OM,A	Army Force Generation Synchronization Tool (AST)	2,000,000	Dent, Dingell	Specter, Stabenow
OM,A	Army Manufacturing Technical Assistance Production Program (MTAPP)	1,600,000	Miller (MI), Markey	
OM,A	Army/Marine Corps Interoperability at Echelons above the Brigade	2,400,000	Rahall	
OM,A	Biometrics Operations Directorate Transition	2,000,000		Byrd
OM,A	Common Logistics Operating Environment (CLOE) System	1,200,000	Moran (VA)	
OM,A	Electronic Records Management Pilot Program	1,200,000	Capito	Casey, Lieberman
OM,A	Family Support for the 1/25th and 4/25th	4,000,000		Stevens
OM,A	Fort Hood Training Lands Restoration and Maintenance	2,800,000	Carter, Edwards (TX)	
OM,A	Human Resource Command Training	2,000,000		Bunning
OM,A	Joint National Training Capability—Red Flag/ Northern Edge Training Range Enhancements	14,700,000		Stevens
OM,A/GP	Ladd Field Paving	2,500,000		Stevens
OM,A	Lightweight Ballistic Maxillofacial Protection System	3,500,000		Craig, Crapo, Nelson (FL)

**DEFENSE—Continued**

Account	Project	Amount	Requester(s)	
			House	Senate
OM,A	Light-weight Tactical Utility Vehicles	3,200,000	Petri, McIntyre	
OM,A	M24 Sniper Weapons System Upgrade	3,200,000	Arcuri	Schumer
OM,A	Modular Command Post Tent	3,000,000	Rogers (KY)	
OM,A	Nanotechnology Corrosion Support	800,000	Rahall	
OM,A	Net Centric Decision Support Environment Sense and Respond Logistics	3,200,000	Bishop (GA)	
OM,A	Operational/Technical Training Validation Testbed	2,400,000	Reyes	
OM,A	Rock Island Arsenal, Building #299 Roof Removal and Replacement, Phase III	5,000,000	Braley, Hare	Durbin, Grassley, Harkin
OM,A	Roof Removal and Replacement at Fort Stewart, GA	2,160,000	Kingston	
OM,A	Sawfly Laser Protective Lenses	3,000,000		Leahy
OM,A	Soldier Barracks Roof Removal and Replacement at Fort Knox, Kentucky	2,320,000	Lewis (KY)	Bunning
OM,A	Stryker Situation Awareness Soldier Protection Package	2,000,000	Smith (WA)	
OM,A	Subterranean Infrastructure Security Demonstration Program	1,600,000	Kaptur	
OM,A	Training Area Restoration	5,500,000		Stevens
OM,A	TranSim Drivers Training at Fort Stewart	4,000,000	Kingston	
OM,A	TranSim Driver's Training Program	1,200,000	Matheson, Bishop (UT)	
OM,A	Tricon and Quadcon Shipping Containers	1,200,000	Brown (SC)	Graham
OM,A	UAS Center of Excellence	2,400,000		Sessions

OM,A	UH-60 Leak Proof Transmission Drip Pans	2,000,000	Rogers (KY)	
OM,A	United States Army Sergeants Major Academy Lecture Center Audio-Visual expansion and upgrade	520,000	Reyes	
OM,A	US Army Alaska Bandwidth Shortfalls	3,000,000		Stevens
OM,A	US Army Alaska Critical Communications Infrastructure	1,300,000		Stevens
OM,A	WMD Civil Support Team for Florida	300,000	Young (FL)	
OM,AF	11th Air Force Consolidated Command Center	10,000,000		Stevens
OM,AF	11th Air Force Critical Communications Infrastructure	3,200,000		Stevens
OM,AF	Advanced Ultrasonic Inspection of Aging Aircraft Structures	1,250,000	Cole	Inhofe
OM,AF	Aircrew Life Support Equipment RFID Initiative	800,000	Costello	Durbin
OM,AF	Alaska Civil Air Patrol Strategic Upgrades and Training	800,000	Young (AK)	Stevens
OM,AF	Alaska Land Mobile Radio	2,900,000		Stevens
OM,AF	Alaskan NORAD Region Communications Survivability and Diversity	3,800,000		Stevens
OM,AF	ANG Munitions Security Fence	800,000	Eshoo	
OM,AF	Barry M. Goldwater Range Upgrades	800,000	Pastor, Grijalva	
OM,AF	Brown Tree Snake Control and Invasive Species Management at Andersen Air Force Base, Guam	400,000	Bordallo	
OM,AF	C-17 Assault Landing Zone	16,000,000		Stevens
OM,AF	Center for Space and Defense Studies	600,000		Allard
OM,AF	Civil Air Patrol	1,360,000		Bennett, Biden, Brownback, Byrd, Cardin, Carper, Harkin, Hatch, Snowe
OM,AF	Combined Mishap Reduction System	1,600,000	Frank	Kennedy, Kerry, Reed

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
OM,AF	Defense Critical Languages and Cultures Initiative—Angelo State University	2,400,000		Hutchison
OM,AF	Demonstration Project for Contractors Employing Persons with Disabilities	2,400,000	Traht	
OM,AF	Department of Defense Wage Issues Modification for USFORAZORES Portuguese National Employees	240,000	Frank	
OM,AF	Diversity Recruitment for Air Force Academy	440,000	Becerra	
OM,AF	Eielson Air Force Base Coal-to-Liquid Initiative	5,000,000		Stevens
OM,AF	Eielson Utilidors	9,000,000		Stevens
OM,AF	Electrical Distribution Upgrade at Hickam	8,500,000		Akaka, Inouye
OM,AF	Engine Health Management Plus Data Repository Center	3,000,000	Murtha	
OM,AF	Engineering Training and Knowledge Preservation System	1,600,000	Davis (KY)	
OM,AF	Expert Knowledge Transfer	1,600,000	Gonzalez	
OM,AF	Joint National Training Capability—Red Flag/ Northern Edge Training Range Enhancements	8,600,000		Stevens
OM,AF	Joint National Training Capability—Red Flag/ Northern Edge Pacific Alaska Range Complex Environmental Assessment	3,500,000		Stevens
OM,AF	Land Mobile Radios (LMR)	1,600,000		Reid
OM,AF	MacDill AFB Online Technology Program	1,600,000	Castor	
OM,AF	Military Legal Assistance Clinic	800,000		Brown



OM,AF	Military Medical Training and Disaster Response Program for Luke Air Force Base	1,600,000	Mitchell	
OM,AF	Minority Aviation Training	3,200,000	Meek	
OM,AF	Mission Critical Power System Reliability Surveys	1,200,000	Davis (CA), Price (NC)	Shelby, Specter, Voinovich
OM,AF	National Center for Integrated Civilian-Military Domestic Disaster (Yale New Haven Health Systems)	3,200,000	DeLauro	
OM,AF	National Security Space Institute	2,800,000		Allard
OM,AF	Online Technology Training Program at Nellis Air Force Base	2,000,000	Porter	
OM,AF	Program to Increase Minority Contracting in Defense (PIMCID)	5,600,000	Fattah	
OM,AF	Revitalize Buckley AFB Small Arms Training Range	784,000		Salazar
OM,AF	USAF Engine Trailer Life Extension Program	2,400,000		Reid
OM,AFR	931st ARC Manning	4,000,000	Traht	
OM,ANG	129th Air Rescue Wing Security Towers	200,000	Eshoo	
OM,ANG	Active Noise Reduction Headsets	800,000	Blumenauer, DeFazio, Hooley, Wu	Smith, Wyden
OM,ANG	Atlantic Thunder Quarterly Joint Training Events at the Air National Guard Savannah Combat Readiness Training Center	400,000	Kingston	
OM,ANG	Controlled Humidity Protection (CHP)	1,600,000	Clyburn	Graham
OM,ANG	Crypto-Linguist/Intelligence Officer Initiative	640,000		Hagel, Nelson (NE)
OM,ANG	DART (DCGS Analysis and Reporting Team)	2,400,000		Voinovich
OM,ANG	Joint Interagency Training and Education Center	150,000		Byrd
OM,ANG	MBU 20/P Oxygen Mask with Mask Light	800,000	Dreier	
OM,ANG	National Guard and First Responder Resiliency Training	1,200,000		Brownback

**DEFENSE—Continued**

Account	Project	Amount	Requester(s)	
			House	Senate
OM,ANG	Scathe View	400,000		Reid
OM,ANG	Smoky Hill Range Access Road Improvements	1,600,000	Moran (KS)	
OM,ANG	Smoky Hill Range Equipment	1,600,000	Moran (KS)	Brownback
OM,ANG	Squadron Operations Facility Repair—Phase I	2,200,000		Brownback
OM,ANG	UAV Technology Evaluation Program	3,000,000		Brownback
OM,ANG	Unmanned Aerial System Mission Planning	400,000		Brownback
OM,ANG	Vehicle Fuel Catalyst Retrofit	800,000	Shays	
OM,ANG	Weapons Vaults Upgrade	200,000	Eshoo	
OM,AR	Aviation Support Facilities Expansion Program, Clearwater, FL	1,600,000	Young (FL)	
OM,ARNG	2nd Generation Extended Cold Weather Clothing System (ECWCS)	3,200,000	Castle	Biden, Carper, Mikulski, Reed
OM,ARNG	Advanced Law Enforcement Rapid Response Training (ALERRT)	1,600,000	Doggett	
OM,ARNG	Advanced Starting Systems	400,000	Lewis (CA)	
OM,ARNG	Advanced Trauma Training Course for the Illinois Army National Guard	2,400,000	LaHood, Davis (IL)	
OM,ARNG	Army National Guard Battery Modernization Program	2,400,000		Bond
OM,ARNG	Border Joint Operations Emergency Preparedness Center	1,200,000	Cuellar	
OM,ARNG	Colorado National Guard Reintegration Program	1,000,000		Salazar
OM,ARNG	Columbia Regional Geospatial Service Center System	4,000,000		Hutchison

OM,ARNG	Emergency Satellite Communications Packages (JSCC)	2,800,000	Granger	Cornyn
OM,ARNG	Expandable Light Air Mobility Shelters (ELAMS) and Contingency Response Communications System (CRCS)	4,000,000		Durbin, Stabenow
OM,ARNG	Exportable Combat Training Capability	3,500,000	Clyburn	
OM,ARNG	Family Assistance Centers	1,600,000	Shuler, Hayes, McIntyre, Miller (NC), Price (NC), Watt	
OM,ARNG	Family Support Regional Training Pilot Program	1,520,000		Gregg, Sumnuu
OM,ARNG	Homeland Operations Planning System (HOPS)	2,800,000	Tauscher, McInerney	
OM,ARNG	Integrated Communications for Georgia National Guard Support for Civil Authorities	1,600,000	Kingston	Isakson
OM,ARNG	Jersey City Army Dining Support Service Rehabilitation Project	400,000	Sires	
OM,ARNG	Joint Forces Orientation Distance Learning	2,400,000	Murtha	
OM,ARNG	Joint Interagency Training and Education Center	5,600,000		Byrd
OM,ARNG	Minnesota Beyond Yellow Ribbon Reintegration Program	2,000,000	Ellison, McCollum, Oberstar, Peterson (MN), Ramstad, Walz	Coleman, Klobuchar
OM,ARNG	MK 19 Crew Served Weapons Systems Trainer (Engagement Skills Trainer 2000)	328,000	Granger	
OM,ARNG	Mobile Firearms Simulator and Facility Improvements	800,000	Cuellar	
OM,ARNG	National Guard CST/CERFP Sustainment Training and Evaluation Program (STEP)	800,000	Dicks, Hastings (WA)	Murray
OM,ARNG	National Guard Global Education Program	400,000	Rothman	Lautenberg, Menendez
OM,ARNG	Non-foam, Special Polymer Twin Hemisphere Pad Sets for Personnel Armor System for Ground Troops (PASGT) Helmet Retrofit Kits	1,280,000	Tancredo	Bayh
OM,ARNG	Pennsylvania National Guard Integration of the Joint CONUS Communications Support Environment (JCCSE)	2,000,000		Casey

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
OM,ARNG	Rapid Data Management System (RDMS)	5,000,000	Shea-Porter	Collins, Gregg
OM,ARNG	Rescue Hooks/Strap Cutters	800,000	Hoohey, Blumenauer, Wu	Smith, Wyden
OM,ARNG	Spray Technique Analysis and Research for Defense (STAR4D)	1,760,000	Bralley	Grassley, Harkin
OM,ARNG	Vermont Army National Guard Mobile Back-Up Power	800,000		Sanders
OM,ARNG	Vermont National Guard Readiness Equipment	792,000	Welch	
OM,ARNG	Vermont Service Member, Veteran, and Family Member Outreach, Readiness, and Re-integration Program	3,200,000		Leahy, Sanders
OM,ARNG	Weapons Skills Trainer	3,000,000	Keller, Stearns, Brown (FL)	Neison (FL)
OM,ARNG	WMD—Civil Support Team for Florida	2,300,000	Young (FL)	
OM,ARNG	WMD—Civil Support Team for New York	1,024,000	Fossella, Bishop (NY), Clarke, Gillibrand, Hall (NY), King (NY), Maloney, McCarthy (NY)	
OM,ARNG	Yellow Ribbon—Alaska National Guard	500,000		Stevens
OM,DW	Aircraft Logging and Event Recording for Training and Safety (ALERTS)	1,600,000	Pomeroy	Conrad, Dorgan
OM,DW	ALCOM Child Care Support for Deployed Forces	2,000,000		Stevens
OM,DW	Camp Carroll Challenge Infrastructure Improvements	3,000,000		Stevens
OM,DW	Clinic for Legal Assistance to Servicemembers	400,000	Moran (VA)	
OM,DW	Critical Language Training, SDSU	1,600,000	Filner, Davis (CA)	

OM, DW	Defense Critical Languages and Cultures Program at University of Montana	1,600,000		Baucus, Tester
OM, DW	Delaware Valley Continuing Education Initiative for National Guard and Reserve	800,000	Schwartz; Gerlach; Murphy, Patrick	Lautenberg, Menendez, Specter
OM, DW	East Asian Security Studies Program	800,000	Sánchez, Linda	
OM, DW	Former MARCH AFB Building Demo -- NE Corner	1,200,000	Calvert	
OM, DW	Frankford Arsenal Environmental Assessment and Remediation	1,600,000	Schwartz	
OM, DW	Geospatial Intelligence Analysis Education	1,000,000	Lewis (CA)	
OM, DW	Hunters Point Naval Shipyard Remediation	9,300,000	Pelosi	Feinstein
OM, DW	Intermodal Marine Facility—Port of Anchorage	10,000,000		Stevens
OM, DW	Joint Tanana Range Access	60,000,000		Murkowski, Stevens
OM, DW	McClellan AFB Infrastructure Improvements	2,400,000	Matsui	Boxer
OM, DW	Middle East Regional Security Program	2,800,000	Berman	
OM, DW	Military Intelligence Service Historic Learning Center	1,000,000	Pelosi, Honda	Akaka
OM, DW	Norton AFB (New and Existing Infrastructure Improvements)	4,800,000	Lewis (CA)	
OM, DW	Phase II of Stabilization/Repair of MOTBY Ship Repair Facility	6,800,000	Sires	Lautenberg, Menendez
OM, DW	Phased Redeployment Study	2,400,000		Kennedy
OM, DW	Restoration of Centerville Beach Naval Facility	6,400,000	Thompson (CA)	
OM, DW	SOCOM Enterprise-wide Data and Knowledge Management System	800,000	Young (FL)	
OM, DW	Soldier Center at Patriot Park, Ft. Benning	4,800,000	Bishop (GA)	
OM, DW	Special Operations Forces Modular Glove System	800,000	Dicks, Baird, McDermott	
OM, DW	Strategic Language Initiative	1,600,000	Royce, Lofgren, Richardson, Tauscher, Watson	Boxer

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
OM,DW	Thorium/Magnesium Excavation—Blue Island	1,200,000	Jackson	
OM,DW	Translation and Interpretation Skills for DoD	1,600,000	Farr	
OM,DW	Troops to Pilots Demonstration Project	2,500,000		Stevens
OM,DW	Web-based Adaptive Diagnostic Assessment for Students (WADAS)	2,000,000	Vislosky	
OM,MC	Acclimate Flame Resistant High Performance Base Layers	1,600,000	Hayes	Dole
OM,MC	Advanced Load Bearing Equipment	1,600,000		Reed
OM,MC	Cold Weather Layering System (CWLS)	2,400,000	Walberg, Hodes, Rogers (MI), Shea-Porter, Tsongas	Kennedy, Kerry, Stabenow
OM,MC	Combat Desert Jacket	4,000,000	Castle, Cummings	Biden, Carper, Mikulski
OM,MC	Lightweight Maintenance Enclosure	1,200,000	Davis, Lincoln	
OM,MC	Rapid Deployable Shelters (RDS) or Modular General Purpose Tent System (MGPTS) Type III	1,600,000	Hinchey	Schumer
OM,MC	Telecom Upgrade to MCBH	3,600,000		Inouye
OM,MC	Ultra Lightweight Camouflage Net System (ULCANS)	2,400,000	Etheridge	Burr
OM,MC	US Marine Corps Installation Access Enterprise Solution Project	800,000		Smith, Wyden
OM,N	Advanced Technical Information Supports System	760,000	Rahall	
OM,N	Brown Tree Snake Control and Interdiction on Guam	840,000	Hirono	
OM,N	Center for Defense Technology and Education for the Military Services	5,600,000	Farr	

OM,N	Continuing Education Distance Learning at Military Installations	1,200,000	Brown-Waite	
OM,N	CPH-Metamorphose/13 Technical Data Conversion and Support	2,400,000		Baucus
OM,N	Digitization, Integration, and Analyst Access of Investigative Files, Naval Criminal Investigative Services	4,800,000		Byrd
OM,N	Diversity Recruitment for Naval Academy	446,000	Becerra	
OM,N	Energy Education Accreditation for Military Personnel	400,000		Conrad, Dorgan
OM,N	Institute for Threat Reduction and Response FCCJ	1,200,000	Brown (FL)	
OM,N	Joint Electronic Warfare Training and Tactics Development	2,000,000	Larsen	Murray
OM,N	Mark 75 Maintenance Facility Support and Upgrade	1,600,000	Brady (PA), Sestak	Specter
OM,N	Mk 45 Mod 5 Gun Depot Overhauls	9,000,000		McConnell
OM,N	Mobile Distance Learning for Military Personnel	800,000	Young (FL)	
OM,N	Modernization/Restoration of Naval Air Station Key West Facilities and Infrastructure	4,800,000	Ros-Lehtinen	
OM,N	Navy Shore Readiness Integration	3,200,000	Dicks	
OM,N	Partnership for the Maintenance of Trauma and Readiness Surgery Skills	760,000	Costa	
OM,N	Personnel Armor System for Ground Troops (PASGT) Helmet Retrofit Kits to Sustain Navy IPE Pool	1,120,000	Tancredo	Allard, Bond
OM,N	PMRE Flood Control	2,500,000		Inouye
OM,N	Puget Sound Navy Museum	1,280,000	Dicks	
OM,N	SPAWAR Systems Center	800,000		Landrieu, Vitter
OM,N	Sustainable Maintenance and Repair Technologies for Aircraft Composites	800,000	Crenshaw	
OM,N	U.S. Navy Mobile Condition Assessment System Pilot for Commander, Navy Region Mid-Atlantic (CNRMA)	1,000,000	Gerlach	

**DEFENSE—Continued**

Account	Project	Amount	Requester(s)	
			House	Senate
OMN OP-A	Wireless Pierside Connection System 1/25th SIB Range (ATREP)	1,600,000 7,000,000	Crenshaw	Stevens
OP-A	Advanced Field Artillery Tactical Data Systems (AFATDS)	1,600,000		Lincoln, Pryor
OP-A	Aircraft Landing System	800,000		Klobuchar
OP-A	All Terrain Ultra Tactical Vehicles	2,400,000	Peterson (MN), Herseth Sandlin, Oberstar, Obey	Coleman, Harkin, Klobuchar
OP-A	AMPSQ-23 Small Tactical Optical Rifle Mounted Micro-Laser Range Finder	1,200,000		Gregg, Sununu
OP-A	ANTSC-156 Phoenix TSST Mobile Satellite Communication Terminals (for Delaware Army National Guard)	4,000,000	Castle	Biden, Carper
OP-A	Army Aviation—Automatic Identification Technology Life Cycle Asset	2,000,000		Shelby
OP-A	Army Field Artillery Tactical Data Systems Software for the Kentucky Army National Guard	2,400,000	Chandler	
OP-A	Ballistic Protection for Remote Forward Operating Bases	1,600,000	Allen, Michaud	Collins, Salazar, Snowe
OP-A	Battlefield Anti-Intrusion System (BAIS)	2,400,000	Saxton, Andrews, LoBiondo	
OP-A	Call For Fire Trainer (CFFT) for the Army National Guard	3,200,000	Holden	Casey
OP-A	Call For Fire Trainer II (CFFT II) / Joint Fires and Effects Trainer System	4,500,000	Cole	Inhofe
OP-A	Camp Ripley Minnesota Training Center Aircraft Rescue Fighter (AARF) Vehicles	1,200,000	Oberstar	Klobuchar
OP-A	Combat Arms Training Systems (FATS upgrade)	1,600,000		Chambliss, Isakson
OP-A	Combat Skills Marksmanship Trainer for the Army National Guard	4,000,000	Kingston, Gingrey	



OP.A	Combat Skills Simulation Systems, Ohio Army National Guard	3,720,000	Space, Ryan (OH)	
OP.A	Combined Arms Virtual Trainer for the TN ARNG	4,000,000		Corker
OP.A	Critical Army Systems Cyber Attack Technology (CASCAT)	1,200,000	Vislosky	
OP.A	Defense Advanced GPS Receiver (DAGR)	2,000,000	Loebbeck, Boswell, Braley, King (IA)	Grassley, Harkin, Inhofe
OP.A	Deployable, Mobile Digital Target System for Armor and Infantry, TN ARNG	450,000	Tanner	Alexander
OP.A	Detonation Suppression System	4,000,000		Landrieu, Vitter
OP.A	Embedded GPS Receivers for the North Carolina ARNG	800,000		Dole
OP.A	Engagement Skill Trainer 2000 for TN ARNG	800,000		Alexander
OP.A	Fido Explosive Detector	3,000,000		Inhofe
OP.A	Fire Suppression Panels	2,500,000		Brownback
OP.A	Flextrain Exportable Combat Training Capability (XCTC)	800,000	Whitfield, Boswell, Rodriguez, Thompson (CA)	Crapo
OP.A	Fuel Tank Passive Fire Suppression Mod Kit	800,000	Mitchell	
OP.A	Future Combat Support Hospital	3,200,000	Boozman	Lincoln, Pryor
OP.A	Future Medical Shelter System (FMSS)	2,400,000	Welch	Dodd, Lautenberg, Leahy, Lieberman, Menendez
OP.A	Ground Guidance for Army Movement Tracking System	800,000		Coleman, Klobuchar
OP.A	HMMWV Restraint System Upgrades	3,200,000	Young (FL)	
OP.A	I-HITS for Montana Joint Training	3,000,000		Baucus
OP.A	Immersive Group Simulation Virtual Training System for HI ARNG	1,200,000		Akaka
OP.A	Information Technology Upgrades at the Detroit Arsenal	2,000,000		Levin

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
OP-A	Instrumentation for Urban Assault Course—TN ARNG	1,400,000	Tanner	Alexander
OP-A	Interoperable Radios for Texas ARNG Disaster Response	800,000	Conaway	
OP-A	Joint Incident Scene Communication Capability	2,000,000	Conaway	
OP-A	Laser Collective Combat Advanced Training System	3,200,000	Ruppersberger	Reed
OP-A	Laser Marksmanship Training System (LMTS)	3,200,000	Kennedy	
OP-A	Life Support for Trauma and Transport (LSTAT)	2,400,000	Richardson, Reyes	
OP-A	Lightweight Maintenance Enclosure (LME)	4,320,000	Davis, Lincoln	Alexander
OP-A	Maritime Domain Awareness Sensors and Software	2,400,000	Murphy, Patrick	
OP-A	Minnesota Army National Guard Army Emergency Response Generators	704,000	Walz, Oberstar, Peterson (MN)	Klobuchar
OP-A	Minnesota Helicopter Civil Band Radio Communication System	1,300,000	Walz, Oberstar, Peterson (MN)	Klobuchar
OP-A	Minnesota Satellite Multi-Modal Collaborative Crisis and Training Network	2,224,000	Oberstar, Peterson (MN), Walz	Coleman, Klobuchar
OP-A	Mobile Virtual Training Capability (MVTC)	2,500,000	Keller	
OP-A	MQ-5B Hunter UAV	5,000,000	Pickering	Cochran, Wicker
OP-A	Multi-Temperature Refrigerated Container System	2,400,000	Davis (KY)	
OP-A	Muscatuck Urban Training Center (MUTC) Instrumentation	2,400,000	Ellsworth, Hill, Shuler	Bayh, Lugar
OP-A	New Combat Helmet	2,400,000		Leahy
OP-A	Radio Personality Modules for SINGARS Test Sets	2,400,000	Triahrt	Roberts

OP,A	Remote Activation Munitions System (MI-RAMS)	2,800,000	Lewis (CA)
OP,A	Retrofit 30th HBCT radios with Embedded SAAMS card	800,000	McIntyre, Hayes
OP,A	Selective Availability Anti-Spoofing Module (SAASM) Precise Positioning Service (PPS) GPS	1,600,000	Souder, Gallegly
OP,A	SHERPA Interoperable Deployable Communications System	2,000,000	Melancon
OP,A	Specialized Reconnaissance Assault Transport System (SRATS)	6,000,000	Hobson
OP,A	Texas Army National Guard Future Soldier Trainer Program	2,400,000	Lampson
OP,A	Virtual Interactive Combat Environment for NJ ARNG	4,000,000	Holt, Saxton
OP,A	Warrior Block 0 Sensor Upgrade	1,600,000	McKeon
OP,A	Wideband Imagery Dissemination System for the ARNG	3,000,000	Cochran
OP,AF	Air Force Plant 4 (AFP 4) Physical Security Enhancements	2,072,000	Granger
OP,AF	Alaskan NORAD Region Communications Survivability and Diversity	700,000	Stevens
OP,AF	ANG-Combat Communications on the Move	1,600,000	Hunter
OP,AF	Base Low-cost Integrated Surveillance System	4,000,000	Comrad, Dorgan
OP,AF	Camp Ripley, Minnesota Aircraft Landing System	760,000	Oberstar
OP,AF	Force Protection Surveillance System	2,000,000	Sanchez, Loretta
OP,AF	Halvorsen Loader	1,600,000	Wickler
OP,AF	Hawaii ANG Eagle Vision One-Meter SAR and Communications Upgrades	3,500,000	Abercrombie
OP,AF	Information Modernization for Processing with Advanced Coating Technologies (IMPACT)	1,600,000	Kingston, Marshall
OP,AF	Joint National Training Capability-Red Flag/ Northern Edge Training Range Enhancements	8,000,000	Stevens
OP,AF	Laser Marksmanship Training System (LMTS)	2,400,000	Mikulski

**DEFENSE—Continued**

Account	Project	Amount	Requester(s)	
			House	Senate
OP,AF	Life Support Radio Test Sets for the Air National Guard	1,000,000	Triahrt	Brownback
OP,AF	MacDill AFB Waterside Security System	1,000,000	Young (FL)	
OP,AF	Nanotechnology Equipment for Laboratories	800,000		Salazar
OP,AF	NORAD and USNORTHCOM Interoperable Communications	3,000,000		Salazar
OP,AF	Observations Systems for the 21st Century	3,000,000	McDermott	Murray
OP,AF	Revitalize Buckley AFB Small Arms Training Range	816,000		Salazar
OP,AF	ROVER Combat Operations Support	2,400,000	Matheson, Bishop (UT)	Hatch
OP,AF	Science, Engineering, and Laboratory Data Integration (SELDI)	800,000	Bishop (UT)	Bennett, Hatch
OP,AF	Secure Network Infrastructure—Toledo ANG	800,000	Kaptur	
OP,AF	Tactical Air Control Extreme Shelter Program	2,400,000	Salazar	Bingaman, Domenici, Salazar
OP,AF	Unmanned Threat Emitter (UMTE) Modernization	4,000,000	Berkley, Higgins, Renzi	Reid, Schumer
OP,N	66 foot Coastal Command Boat (CCB)	5,000,000	Dicks	Cantwell, Murray
OP,N	Advanced Ground Target Threat Simulators	1,280,000	Galleghy	
OP,N	Advanced Maintenance and Environmental Monitoring Technologies for Public Shipyards	2,400,000	Shea-Porter	
OP,N	Advanced Mission Extender Device Kits	2,000,000		Leahy
OP,N	Aegis Land Based Test Site Upgrades	4,000,000	Miller, Gary	
OP,N	Airborne Laser Mine Detection System	2,400,000	Weldon	

OP:N	AMSPQ-9B Surface Ship Radar	4,300,000	Ackerman, Bishop (NY), Israel, McCarthy (NY)	Schumer
OP:N	ANWSN-7 Fiber Optic Gyro System Upgrades	3,000,000	Goode	Warner, Webb
OP:N	Canned Lube Pumps for LSD-41/49 Ships	2,000,000	Myrick, Hayes	Dole
OP:N	Communications Data Link System for Capital Ships	1,600,000	Hunter	
OP:N	Condition-Based Inspection Technologies for Propulsion Equipment	800,000	Walsh	
OP:N	CVN Propeller Replacement Program	5,000,000	Taylor	Cochran, Wicker
OP:N	Enhanced Detection Adjunct Processor	3,200,000	Kaptur	
OP:N	Gateway System	4,800,000	Mica	
OP:N	High Performance Computing Capability	800,000	Hunter	
OP:N	High Speed Aluminum Towable Boat Lifts	4,000,000		Cantwell, Murray
OP:N	Integrated Voice Communications System for the SSN-688I	3,000,000		Lautenberg, Menendez
OP:N	Jet Fuel (JP-5) Electric Valve Operators	2,400,000	King (NY), Bishop (NY), Israel, McCarthy (NY)	Schumer
OP:N	LSD Main Propulsion Diesel Engine Upgrade	4,800,000		Kohl
OP:N	LSD-41/49 Diesel Engine Low Load Upgrade Kit	1,600,000	Baldwin	Kohl
OP:N	Man Overboard Identification (MOBI) System	2,800,000	Visclosky, Davis (CA)	Akaka, Bayh, Warner, Webb
OP:N	MCM-1 Class Combat System Upgrades/Acoustic Generators	1,000,000	Boyd	
OP:N	Multi Climate Protection System	2,000,000	Tsongas, Hodes, Olver, Rogers (MI), Shea-Porter, Walberg	Kennedy, Kerry, Stabenow
OP:N	NIROP Industrial Facilities Materials Staging Area	3,200,000	Mollohan	
OP:N	PHMSY Upgrades	4,000,000		Inouye

**DEFENSE—Continued**

Account	Project	Amount	Requester(s)	
			House	Senate
OP,N	Remote Monitoring and Troubleshooting Project	2,500,000	Shelby	
OP,N	Shipboard Network Protection System	1,600,000	Moran (VA)	
OP,N	Standardized Metrics Assessment of Readiness Training	3,500,000	Kennedy	Reed
OP,N	Virtual Perimeter Monitoring System	2,400,000		Mikulski
P,DW	Electronic Warfare Simulator	2,400,000	Holt	
P,DW	Expansion of the Mobile Forensic Laboratories and Forensic Technical Assistance and Training Support Center of Excellence	3,200,000	Young (FL)	
P,DW	Final-E-Curfew, Mid Range Radio Frequency Operations	1,600,000	Weldon	
P,DW	Joint Biological Standoff Detection System	4,000,000		Shelby
P,DW	Joint Chemical Agent Detector	4,000,000	Bartlett, Hersheth Sandlin, Ruppertsberger	Mikulski
P,DW	LA-5/PEQ Integrated Small Arms Illuminator	1,200,000		Gregg
P,DW	M53 Individual Protective Mask	1,600,000		Levin
P,DW	Mission Helmet Recording System	2,400,000		Gregg, Sumunu
P,DW	MK47 Mod 0 Advanced Lightweight Grenade Launcher	3,600,000		Collins, Snowe
P,DW	Multi-Band Multi-Mission Radio (MBMMR)	1,600,000	Souder, Castor, Young (FL)	
P,DW	Reactive Skin Decontamination Lotion	3,280,000		Cochran
P,DW	Simple Imagery Access with FalconView	400,000	Moran (VA)	

P,DW	Small Arms Training Ranges		2,000,000		Ensign, Reid
P,DW	SOF Combat Assault Rifle		3,000,000		Graham
P,DW	SOVAS Hand Held Imager/Long Range		2,400,000		Kennedy, Kerry
P,DW	SOVAS Handheld Imager/Pocket		2,500,000		Gregg, Sumunu
P,DW	Special Operations Craft-Riverine		2,880,000	Taylor	Cochran, Wicker
P,MC	2kW MTG Diesel Generator Rapid Replenishment		800,000	Garrett, Pascrell, Rothman	Lautenberg, Menendez
P,MC	Combat Casualty Care Equipment Upgrade Program		3,200,000	Spratt, Barrett	Graham
P,MC	Combat Tactical Support Trailer		2,200,000	Murtha	
P,MC	IP Distribution Box and Category 5E Cable Upgrades for Improved Combat Operations Communications		2,500,000	Graves	Bond
P,MC	Nitrile Rubber Collapsible Storage Units		1,200,000	Taylor	Cochran
P,MC	On Board Vehicle Power Kits for MTR		10,000,000		Kohl
P,MC	Performance Enhancements for Information Assurance and Information Systems		6,400,000		Cochran, Wicker
P,MC	Portable Armored Wall System for VCP		800,000	Sestak	
P,MC	Sniper Training System (STS)		3,600,000	Maloney	
P,MC	Tactical Video Capture System		3,200,000	Lewis (CA)	
PA,A	60mm Mortar, All Types		1,600,000	Ross	Lincoln, Pryor
PA,A	Ammunition Production Base Support (Scranton AAP)—Electrical Substations Upgrade		1,920,000	Kanjorski, Carney	Casey, Specter
PA,A	Cartridge, 105mm High Explosive Plastic-Tracer, M393A3 HEP-T		1,200,000	Radanovich	
PA,A	CTG, Arty, 155mm, All Types		1,600,000	Ross	Lincoln, Pryor
PA,A	CTG, Mortar, 120mm, All Types		1,600,000	Ross	Lincoln, Pryor

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
PA,A	Grenade Incendiary Thermite AN-M14	1,600,000	Ross	
PA,A	Grenades, All Types	4,000,000	Ross	Lincoln, Pryor
PA,A	Holston Army Ammunition Plant Critical Reliability Enhancement	1,600,000	Davis, David	
PA,A	M769, Mortar, Full Range Practice Cartridge	4,000,000	Kanjorski	Specter
PA,A	Rapid Wall Breaching Kit (RWBK)	3,200,000	Whitfield, Rogers (KY)	McConnell
PA,A	Small Caliber Trace Charging Facilitization Program	1,200,000	Shimkus, Costello, LaHood	Brownback
PA,A	Supercritical Water Oxidation, Bluegrass Army Depot	1,700,000		Bunning
PA,AF	McAlester Army Ammunition Plant Bomb Line Modernization	1,600,000	Boren	Inhofe
PA,AF	PGU-14 API Armor Piercing Incendiary, 30mm Ammunition	2,400,000	LaHood, Costello, Obey	
PANMC	Grenades, All Types	1,600,000		Lincoln, Pryor
RDTE,A	National Center of Ophthalmology Training and Education at Wills Eye Center	1,000,000	Brady (PA)	
RDTE,A	101st Airborne Injury Prevention & Performance Enhancement Research Initiative	2,000,000		Alexander, Corker
RDTE,A	21st Century Command, Control, and Communications Technology	640,000	Holt	
RDTE,A	3D2 Advanced Battery Technology	4,000,000	LaHood	Durbin
RDTE,A	5.56mm Aluminum Cartridge Case, Lake City Army Ammunition Plant	1,000,000	Graves	Bond, Crapo
RDTE,A	Academic Support and Research Compliance for Knowledge Gathering	2,000,000		Roberts
RDTE,A	Accelerated Materials Development and Characterization	2,500,000	Herseth Sandlin	Johnson



RDTE,A	Accelerating Treatment for Trauma Wounds	1,200,000	Stearns, Crenshaw	Nelson (FL)
RDTE,A	Acid Alkaline Direct Methanol Fuel Cell Technology	2,800,000	McIntyre, Price (NC)	
RDTE,A	Adaptive Infrastructure for SOF Experimentation	2,400,000	Hoyer	
RDTE,A	Adaptive Lightweight Materials for Missile Defense	1,600,000		Baucus, Tester
RDTE,A	Advance Stand off Technologies for National Security	1,200,000	Boyd	Nelson (FL)
RDTE,A	Advanced Cargo Projectile Technology	1,200,000	Hastings (WA)	
RDTE,A	Advanced Cavitation Power Technology	4,400,000		Cochran
RDTE,A	Advanced Cluster Energetics	3,200,000	Frelinghuysen, Payne	Lautenberg, Menendez
RDTE,A	Advanced Commercial Technology Insertion for Aviation and Missile Research, Development, and Engineering	2,400,000	Everett	Shelby
RDTE,A	Advanced Communications ECM Demo	1,600,000	Holt	
RDTE,A	Advanced Composite Armor for Force Protection	1,600,000	Coble	
RDTE,A	Advanced Composites for Light Weight, Low Cost Transportation Systems using 3+ Ring Extruder	2,400,000	Stupak	
RDTE,A	Advanced Conductivity Program (ACP)	3,500,000	Young (FL)	
RDTE,A	Advanced Corrosion Protection for Military Vehicles	2,400,000		Kohl
RDTE,A	Advanced Demining Technology	5,900,000		Leahy
RDTE,A	Advanced Detection of Explosives (ADE)	2,400,000	Young (FL)	
RDTE,A	Advanced Digital Hydraulic Hybrid Drive System	2,000,000	Upton, Ramstad	Coleman, Klobuchar, Levin, Stabenow
RDTE,A	Advanced Drivetrains for Enhanced Mobility and Safety	1,600,000	Upton, Walberg	Stabenow
RDTE,A	Advanced Electronics Rosebud Integration	3,200,000	Herseeth Sandlin	Johnson, Thune

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	Advanced Energy Storage Development for Renewable Energy Generation	1,200,000	Schwartz	Casey
RDTE,A	Advanced Environmental Control Systems	5,500,000		Reid
RDTE,A	Advanced Fuel Cell Research Program	3,000,000	Poe	Cornyn, Hutchinson
RDTE,A	Advanced Functional Nanomaterials for Biological Processes	2,000,000	Snyder	Lincoln, Pryor
RDTE,A	Advanced Fuzing Technologies	3,600,000	Bartlett	Byrd
RDTE,A	Advanced Hybrid Electric Vehicle Technologies for Fuel Efficient Blast Protected Vehicles	1,200,000		Graham
RDTE,A	Advanced Hypersonic Weapon Technology Demonstration	2,400,000	Everett, Aderholt	Shelby, Wicker
RDTE,A	Advanced IED Janmer Research and Development Program	2,000,000	Honda, Holt, Lofgren	
RDTE,A	Advanced Lightweight Gunner Protection Kit	1,200,000	Altmire	
RDTE,A	Advanced Lightweight Multi-Threat Composite Armor Technology	2,400,000	Rangel	Schumer
RDTE,A	Advanced Lithium Iron Phosphate Battery System for Army Combat Hybrid HMMWV and Other Army Vehicle Platforms	2,000,000	Dingell	Levin, Stabenow
RDTE,A	Advanced Live, Virtual, and Constructive (LVC) Training Systems	1,600,000	Latham	Grassley, Harkin
RDTE,A	Advanced Lower Limb Prostheses for Battlefield Amputees	1,600,000	Markey, McGovern	Kennedy, Kerry
RDTE,A	Advanced Magnetic Nanosensors for Defense Applications	4,800,000	Fortenberry	Hagel, Nelson (NE)
RDTE,A	Advanced Manufacture of Lightweight Components	2,400,000		Kohl
RDTE,A	Advanced Materials and Process For Armament Structures (AMPAS)	2,400,000	Regula, Sutton	Brown

RDTE,A	Advanced Medical Multi-Missions and CASEVAC Roles (Note: VTOL man rated UAG/UGV)	800,000	Harman	
RDTE,A	Advanced Medium Caliber Tungsten Penetrators	1,600,000	Murphy, Tim	
RDTE,A	Advanced Modeling Technology for Large Structure Titanium Machining Initiative	800,000	Ramstad	Coleman, Kloubuchar, Stabenow
RDTE,A	Advanced Performance Transparent Armor for Tactical Wheeled Vehicles	1,200,000	Altmire	
RDTE,A	Advanced Portable Power Institute	1,600,000	Gordon	Corker
RDTE,A	Advanced Prototyping with Non-Traditional Suppliers	3,200,000	Rothman	Lautenberg, Menendez
RDTE,A	Advanced Radar Transceiver IC Development	800,000	Harman, Hayes	
RDTE,A	Advanced Rarefaction Weapon Engineered System	2,400,000	Kaptur	
RDTE,A	Advanced Regenerative Medicine Therapies for Combat Injuries	3,000,000	Doyle	Casey, Specter
RDTE,A	Advanced Restoration Therapies in Spinal Cord Injuries	2,000,000	Hoyer, Rupperberger	Cardin, Mikulski
RDTE,A	Advanced Soldier Portable Power Systems Technologies	1,600,000		Cochran, Wicker
RDTE,A	Advanced Strap Down Seeker	5,000,000		Gregg, Sununu
RDTE,A	Advanced Surface Technologies for Prosthetic Development	1,600,000		Baucus, Tester
RDTE,A	Advanced Tactical 2KW External Combustion Power Sources for Cogeneration Applications	2,400,000	Hastings (WA)	Cantwell, Murray
RDTE,A	Advanced Tactical Fuels for the U.S. Military	4,000,000		Conrad, Dorgan
RDTE,A	Advanced Technologies, Energy and Manufacturing Science	5,000,000	Frelinghuysen	
RDTE,A	Advanced Thermal Management System	2,400,000	Stupak	Levin
RDTE,A	Advanced Thermal Processing of Packaged Combat Rations	1,680,000	Gingrey	Isakson
RDTE,A	Advanced UV Light Diode Sensor Development	1,600,000	Clyburn	Graham
RDTE,A	Advanced Wireless Technologies	1,200,000	Sestak	Casey, Schumer, Specter

**DEFENSE—Continued**

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	Aerial Canopy MASINT System	1,600,000	Rogers (KY)	
RDTE,A	Aerial Firefighting—Precision Container Aerial Delivery System (PCADS)	2,320,000	Rohrbacher	
RDTE,A	Affordable Light-Weight metal matrix composite armor	1,600,000		Reid
RDTE,A	Air, Space and Missile Defense Architecture Analysis Program (A3P)	1,200,000	Aderholt, Rogers (AL)	Sessions
RDTE,A	Airborne Threats	1,500,000		Stevens
RDTE,A	Aircraft Structural Condition Monitoring (ASCM)	1,600,000	Cramer	
RDTE,A	Alliance for NanoHealth (Note: Department of Defense Military Health Enhancement)	3,200,000	Culberson	
RDTE,A	ALQ-211 Networked EW Controller	1,600,000	Pascrell	Lautenberg, Menendez
RDTE,A	Alternative Power Technology for Missile Defense	4,000,000	Herseth Sandlin	Johnson, Thune
RDTE,A	Angiogenesis and Tissue Engineering Research	1,200,000	Capuano	
RDTE,A	Antiballistic Windshield Armor	3,600,000	Donnelly, Clyburn	Bayh, Graham, Lugar
RDTE,A	Anti-Terror Medical Technology Program	2,800,000	Rothman, Pallone	Lautenberg, Menendez
RDTE,A	Applied Communications and Information Networking (ACIN)	3,200,000	Andrews, LoBiondo	Casey, Lautenberg, Menendez
RDTE,A	Applied Power Management Control and Integration	800,000		Levin, Stabenow
RDTE,A	Arabic Language Training Program	960,000		Brownback
RDTE,A	Armament Systems Engineering—ASEI2	3,200,000	Frelinghuysen, Sires	
RDTE,A	Army Applications of Direct Carbon Fuel Cells	800,000	Regula	

RDTE,A	Army Aviation Weapon Technology	800,000	Aderholt, Rogers (AL)	Shelby
RDTE,A	Army Center of Excellence in Acoustics	4,400,000		Cochran
RDTE,A	Army Missile and Space Technology Initiative	1,600,000	Sessions	
RDTE,A	Army Responsive Tactical Space (ARTS)	2,400,000		Cochran
RDTE,A	Army Responsive Tactical Space System Exerciser (ARTSSE)	2,000,000	Aderholt, Cramer	Sessions, Shelby
RDTE,A	Asymmetric Threat Response and Analysis Program (ATRAP)	2,400,000	Giffords	
RDTE,A	Automated and Portable Field System for the Rapid Detection and Diagnosis of Diseases	1,600,000	Kuhl	
RDTE,A	Automated Communications Support System for Warfighters, Intelligence Community, Linguists, and Analysts	1,600,000		Chambliss, Isakson
RDTE,A	Automated Language and Cultural Analysis for National Security	2,000,000	Hoyer, Cummings, Edwards (MD), Sarbanes, Van Hollen	Cardin, Mikulski
RDTE,A	Automatic Aim-Point Targeting Technology with Enhanced Imaging	2,000,000	Weiner	
RDTE,A	Autonomous Cargo Acquisition for Rotorcraft Unmanned Aerial Vehicles	2,400,000	Cramer, Aderholt	Shelby
RDTE,A	Auxiliary Power Unit (APU) for the Abrams M1/A2 Tank	2,400,000	Sarbanes, Bartlett, Ruppersberger	Cardin, Mikulski
RDTE,A	Ballistic Armor Research	3,200,000	Dent	Specter
RDTE,A	Ballistic Precision Aerial Delivery System (BPADS)	1,000,000	Larson, Taylor	Wicker
RDTE,A	Base Security Systems	1,200,000	Rogers (MI)	Stabenow
RDTE,A	Battlefield Asset Recovery Decontamination System (BARDS)	1,600,000	Clay	
RDTE,A	Battlefield Connectivity	1,600,000	Moran (VA)	
RDTE,A	Battlefield Exercise and Combat Related Spinal Cord Injury Research (Miami Project)	800,000	Brown-Waite	
RDTE,A	Battlefield Nursing Program	1,600,000	Cohen	

**DEFENSE—Continued**

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	Battlefield Plastic Biodiesel	1,600,000	King (VA), Boswell, Latham	Grassley, Harkin
RDTE,A	Battlefield Research Accelerating Virtual Environments for Military Individual Neuro Disorders (BRAVEMIND)	800,000	Harman	Boxer
RDTE,A	Battlefield Tracheal Intubation	4,200,000		Nelson (NE)
RDTE,A	Battlefield Treatment of Hemorrhagic Shock	800,000	Cohen	
RDTE,A	Behavior and Neuroscience, Functional Magnetic Resonance Imaging Research Project	800,000	Herseeth Sandlin	
RDTE,A	Beneficial Infrastructure for Rotorcraft Risk Reduction Demonstrations	800,000	Sestak	
RDTE,A	Bio-Battery	800,000	Cramer	
RDTE,A	Biodefense Tech Transfer Initiative (BTI) (only for militarily relevant technology)	1,500,000		Cardin, Mikulski
RDTE,A	Bioelectronics Research for Casualty Care and Management	1,600,000	Scott (VA)	Warner, Webb
RDTE,A	Biological Air Filtering System Technology	1,600,000	Berry	Lincoln, Pryor
RDTE,A	Biological and Immunological Infectious Agent and Cancer Vaccine Research	800,000	Capuano	
RDTE,A	Biomass-to-Liquid Using Synthetic Enzymes	2,000,000	Viscosky	Bingaman
RDTE,A	Biometrics DNA Applications	1,600,000		Byrd
RDTE,A	Biosecurity for Soldier Food Safety	1,600,000		Roberts
RDTE,A	Biosensor, Communicator and Controller System	5,000,000		Reid
RDTE,A	Blast Damage Assessment Risk Analysis and Mitigation Application—Enhancements (BRAMA-E)	800,000	Young (AK)	

RDTE.A	Blood Safety and Decontamination Technology	1,600,000	DeLauro, McDermott	Coleman
RDTE.A	Blood, Medical & Food Safety Via Eco-Friendly Wireless Sensing	1,000,000		Coleman, Klobuchar
RDTE.A	BLOS Network for MASINT Sensors	800,000	Moran (VA)	
RDTE.A	Border Security and Defense Systems Research	1,600,000		Hutchison
RDTE.A	Boston University Photonics Center	3,200,000	Capuano	Kennedy, Kerry
RDTE.A	Brain Interventional-Surgical Hybrid Initiative	1,600,000	Wasserman Schultz	
RDTE.A	Brain, Biology, and Machine Applied Research	1,600,000	DeFazio, Hooley, Walden, Wu	Smith, Wyden
RDTE.A	Brownout Sensor Visualization and Hazard Avoidance System	800,000	Cramer, Aderholt	Shelby
RDTE.A	Brownout Situational Awareness Sensor	1,600,000	Hunter	
RDTE.A	Burn and Shock Trauma Institute	2,000,000		Durbin
RDTE.A	C4ISR Auxiliary Power Unit (APU) for Soldier Tactical Applications	1,600,000	Sherman	
RDTE.A	CAMEL—Water transport system	800,000		Bond
RDTE.A	Cancer Prevention Through Remote Biological Sensing	1,600,000	Bishop (NY)	Schumer
RDTE.A	Capability Expansion of Spinel Transparent Armor Manufacturing	5,120,000	Salazar	Allard, Salazar
RDTE.A	Carbon Nanotube Production	1,200,000		Hutchison
RDTE.A	Cellular Therapy for Battlefield Wounds (Phase II)	1,600,000	Jones (OH)	
RDTE.A	Cellulose Nanocomposite Panels for Enhanced Blast and Ballistic Protection	2,400,000	Michaud, Allen	Collins, Snowe
RDTE.A	Center for Advanced Energy Storage Research and Technology	1,600,000		Levin, Stabenow
RDTE.A	Center for Advanced Vehicle Technology and Fuel Development	800,000		Levin
RDTE.A	Center for Aerospace Human Factors Research and Innovation	800,000		Conrad, Dorgan

**DEFENSE—Continued**

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	Center for Borane Technology	2,000,000		Bond
RDTE,A	Center for Education in Nanoscience and Nanotechnology	640,000	Bralley	Grassley, Harkin
RDTE,A	Center for Information Assurance	800,000	Scott (VA)	Warner, Webb
RDTE,A	Center for Injury Biomechanics	3,200,000	Boucher, Goode, Moran (VA)	Warner, Webb
RDTE,A	Center for Integration of Medicine and Innovative Technology	8,000,000	Capuano, Lynch	Kennedy, Kerry
RDTE,A	Center for Nanoscale Bio-sensors as a Defense against Biological Threats to America	800,000	Boozman, Ross	
RDTE,A	Center for Ophthalmic Innovation (Note: Department of Defense Military Health System Enhancement)	2,400,000	Diaz-Balart, Mario; Ros-Lehtinen	Nelson (FL)
RDTE,A	Center for Untethered Healthcare	1,000,000	McGovern	Kennedy, Kerry
RDTE,A	Center of Cardiac Surgery Robotic Computerized Telemanipulation (Note: as part of a Comprehensive Approach to Advanced Heart Care)	1,600,000	Brady (PA), Gerlach	
RDTE,A	Center of Excellence for Military Operations in Urban Terrain and Cultural Training	3,000,000	Crenshaw	Nelson (FL)
RDTE,A	Center of Excellence in Integrated Sensor Systems (CEISS)	600,000	Cramer	
RDTE,A	Center of Genetic Origins of Cancer (Note: Department of Defense Military Health System Enhancement)	2,400,000	Dingell	Stabenow
RDTE,A	Ceramic and Metal Matrix Composite (MMC) Armor Development using Ring Extruder Technology	800,000	Stupak	
RDTE,A	Ceramic Membrane Battery Systems	1,200,000	Schwartz	Casey, Specter
RDTE,A	CERDEG Airborne and Ground Wideband Digital Communications and Antenna Testbed	1,600,000	Smith (NJ)	



RDTE.A	CH-47 Chinook Helicopter: Accessory Gear Box (AGB) Improvement	800,000	Regula	Dodd, Lieberman, Voinovich
RDTE.A	CH-47 Integrated Vehicle Health Management System (IVHMS)	3,200,000		Leahy
RDTE.A	Chemical and Biological Protective Hangars	2,240,000	Hulshof	
RDTE.A	Chemical and Biological Threat Protection Coating	2,400,000	Barrett	Graham
RDTE.A	Chronic Tinnitus Treatment Program	1,000,000	Dent	
RDTE.A	Clinical Looking Glass Project (Note: To Enhance the capabilities of Fort Drum, New York Military Health System)	800,000	Engel	
RDTE.A	Close Combat Missile Modernization (Javelin)	3,700,000	Brown (FL), Everett	Sessions, Shelby
RDTE.A	Cogeneration for Enhanced Cooling and Heating of Advanced Tactical Vehicles	2,400,000		Kohl
RDTE.A	Co-Generation of Power and Air Conditioning	800,000	Shaqs	Dodd, Lieberman
RDTE.A	Cold Regions Test Center Distributed Test Coordination Cell	1,500,000		Stevens
RDTE.A	Cold Springs Harbor Laboratory—Women's Cancer Genomics Center (Note: Department of Defense Military Health System Enhancement)	2,800,000	McCarthy (NY), Lowey	
RDTE.A	Columbia College Chicago Construct Program	800,000		Durbin
RDTE.A	Combat Mental Health Initiative	2,400,000	Kaptur	
RDTE.A	Combat Stress Intervention Program (CSIP)	2,400,000	Murtha	
RDTE.A	Combat Vehicle Electrical Power-21st Century (CVEP-21)	800,000		Bayh, Lugar
RDTE.A	Combat Wound Initiative at WRAMC	1,600,000		Byrd, Reed
RDTE.A	Command and Control, Communications and Computers (C4) module	1,200,000	Young (AK)	
RDTE.A	Commercially Viable Si/C Power Semiconductors Using Superlattice Technology	2,560,000	Gillibrand, Maloney	Schumer
RDTE.A	Common Remote Stabilized Sensor System (CRS3)	2,800,000	Emerson	Bond

**DEFENSE—Continued**

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	Compact Eyesafe Tactical Laser	1,200,000	Grijalva	
RDTE,A	Compact MWCC Soldier Cooling System	1,600,000	Young (FL)	
RDTE,A	Compact Pulsed Power Initiative	3,000,000	Neugebauer, Conaway	Hutchison
RDTE,A	Compact, Day and Night CMOS Camera for Mini and Micro UAVs	2,000,000	Inslee	
RDTE,A	Complementary & Alternative Medicine Research for Military Operations & Healthcare	5,000,000		Harkin
RDTE,A	Complete Molten Carbonate Fuel Cell Demonstrator—Parks Reserve Forces Training Area	1,600,000	McNerney	
RDTE,A	Composite Applied Research and Technology for FCS and Tactical Vehicle Survivability	3,000,000	Castle	Biden, Carper
RDTE,A	Composite Bottles for Survival Egress Air	2,000,000		Crapo
RDTE,A	Composite Small Main Rotor Blades	1,600,000	Triahrt	Brownback, Dodd
RDTE,A	Composite Structure Design	1,600,000	Johnson (GA)	
RDTE,A	Composite Tissue Allograft Research and Clinical Program	1,600,000	Yarmuth	
RDTE,A	Condition Based Maintenance and Mission Assuredness for Ground Vehicles	2,400,000	Knollenberg	Isakson, Levin, Stabenow
RDTE,A	Consortium for Bone and Tissue Repair and Regeneration	800,000	Emerson	
RDTE,A	Constant Look Operational Support Environment (CLOSE)	1,600,000	Young (AK)	
RDTE,A	Control of Inflammation and Tissue Repair	3,200,000	Inslee, McDermott	Cantwell, Murray
RDTE,A	Control of Vector-Borne Diseases	1,200,000	Viscosky	
RDTE,A	Control System for Laser Powder Deposition	500,000	Herseth Sandlin	Johnson, Thune

RDTE,A	Controlled Release of Anti-Inflammatory and tissue Repair Agents from Prosthetic Devices and Burn Treatment	6,000,000	Blunt		
RDTE,A	Conversion of Municipal Solid Waste to Renewable Diesel Fuel	1,600,000	Rothman, Bartlett, Moran (VA), Payne	Bayh, Lautenberg, Menendez, Specter	
RDTE,A	Copper Air Quality Program	2,000,000	Whitfield	Wicker, Lieberman	
RDTE,A	Corneal Wound Repair	5,400,000	Blunt		
RDTE,A	Counter-IED Force Protection Program	2,000,000	Holt		
RDTE,A	C-RAM Armor Development	800,000	Moran (VA)		
RDTE,A	Crosshairs Hostile Fire Indicating System	2,000,000		Cornyn	
RDTE,A	Cutting Tools and Materials for Aerospace	800,000	Grijalva		
RDTE,A	Cyber Threat Analytics	2,400,000	Lewis (CA)		
RDTE,A	Defense Applications of Carbonate Fuel Cells	1,600,000	Larson		
RDTE,A	Defense Helicopter Power Dense Transmission	1,280,000	Barrow	Isakson	
RDTE,A	Defense Materials Technology Center	3,000,000	Regula, Ryan (OH)	Brown	
RDTE,A	Demonstration/Evaluation project at Travis Air Force Base, California, to develop a greenhouse gas inventory and footprint utilizing a web-based Environmental Management Information System (EMIS)	400,000	Tauscher		
RDTE,A	Depleted Uranium Sensing and Treatment for Removal (DUSTR) Program	4,000,000		Cochran	
RDTE,A	Deployable Space and Electronic Warfare Analysis Tools	800,000	Lamborn	Casey	
RDTE,A	Detection Algorithms and Software for Force Protection	1,600,000		Reed, Whitehouse	
RDTE,A	Detection, Mitigation and Neutralization of High Explosive, Remotely Detonated Devices	3,500,000		Bond	
RDTE,A	Development of Drugs for Malaria and Leishmaniasis in US Military and Civilian Personnel	3,400,000		Cochran	

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	Development of Enabling Chemical Technologies for Power from Green Sources	1,200,000	Oliver	
RDTE,A	Development of Improved Lighter-Weight IED/FPF Armor Solutions	1,000,000	Tiahrt	Roberts
RDTE,A	Development of Truck Deployed Explosive Containment Vessel	1,600,000		Reid
RDTE,A	Developmental Mission Integration	4,000,000	Frelinghuysen	
RDTE,A	Dielectrically Enhanced Sensor Systems (DESS)	1,200,000		Cochran, Wicker
RDTE,A	Diminishing Manufacturing Sources and Material Shortages Case Resolution Program	2,400,000	Knollenberg, Miller (MI), Levin	Levin, Stabenow
RDTE,A	Direct Methanol Fuel Cell Battery Recharger Program	2,400,000	Visclosky	
RDTE,A	Direct Methanol Fuel Cell Development	800,000	Crenshaw	Martinez, Nelson (FL)
RDTE,A	Disposable Unit Dose Drug Pumps for Anesthesia and Antibiotics	1,750,000	Pelosi	
RDTE,A	D-NET: Electrically Charged Mesh (ECM) Defense Net Troop Protection System	2,560,000	Aderholt	
RDTE,A	DoD High Energy Laser Test Facility	4,000,000		Bingaman, Domenici
RDTE,A	DoD Hydrogen PEM Fuel Cell Medium/Heavy Duty Vehicle Demonstration Program	1,600,000	Larson	Lieberman
RDTE,A	DoD International Diabetes Research Initiative	2,000,000	Dicks	
RDTE,A	Domestic Production of Nanodiamond for Military Operations	1,600,000	Peterson (PA)	Casey
RDTE,A	Domestically Produced Atomized Magnesium for Defense	800,000	Kaptur	
RDTE,A	Drive System Composite Structural Component Risk Reduction Program	2,400,000	Brady (PA)	Casey, Specter
RDTE,A	Dual Stage Variable Energy Absorber	2,400,000	Murphy, Patrick	Specter

RDTE,A	Dugway Lidar and Modeling Improvements	2,400,000	Bishop (UT)	Bennett, Hatch
RDTE,A	Dynamically Managed Data Dissemination (DMDD)	1,200,000	Olver	
RDTE,A	Dynamometer Facility Upgrade Program at TARDEC	3,200,000	Dingell, Levin	Levin, Stabenow
RDTE,A	Effect Based Approach to Operations	1,600,000		Bennett
RDTE,A	Electric Commodity Project	800,000		Byrd
RDTE,A	Electro Conversion of Energetic Materials	3,600,000		Enzi
RDTE,A	Electrofluidic Chromatophores for Adaptive Camouflage	1,750,000	Chabot	
RDTE,A	Electronic Combat and Counter Terrorism Threat Developments to Support Joint Forces	3,760,000	Kingston	Shelby
RDTE,A	Embedding Iris Recognition Technology On-board Warfighter Personal Equipment	800,000	Miller, George	Roberts
RDTE,A	End-to-End Vehicle Survivability Technology	1,600,000	Knollenberg	Stabenow
RDTE,A	Engineering Replacement Tissues	1,600,000		Reed, Whitehouse
RDTE,A	Enhanced Digital Electronic Night-Vision (EDEN)	1,600,000		Hutchison
RDTE,A	Enhanced Holographic Imager	2,480,000	Conaway, Granger	Cornyn
RDTE,A	Enhanced Jamming Resistant Technology for INS/GPS Precision Guided Munitions	1,600,000	Frelinghuysen	
RDTE,A	Enhanced Ku-band / L-band Antenna System	800,000	Moran (VA)	
RDTE,A	Enhanced Landmine and IED Detection System	960,000	Cubin	
RDTE,A	Enhanced Military Vehicle Maintenance System Demonstration Project with Anniston Army Depot and Auburn University	1,600,000	Rogers (AL)	Shelby
RDTE,A	Enhanced Rapid Tactical Integration and Fielding Systems (ERTIFS)	1,600,000		Sessions, Shelby
RDTE,A	Enhanced Robotic Manipulators for Defense Applications	750,000	Cubin	Enzi
RDTE,A	Enhanced Vapor Aeration Capabilities (EVAC)	2,400,000	LaFourrette	Voinovich

**DEFENSE—Continued**

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	Expanding Access to Proven Lifestyle Modification Treatments Focused on Preventing and Reversing Chronic Diseases	1,750,000	Pelosi	
RDTE,A	Expansion and Development Upper and Lower Bionic Limbs	2,000,000	Davis (IL)	Durbin
RDTE,A	Experiential Technologies for Urban Warfare and Disaster Response	500,000		Burr
RDTE,A	Exploding Foil Initiators (EFI) with Nanomaterial-Based Circuits	1,600,000	Herseht Sandlin	Johnson
RDTE,A	Extended Duration Silver Wound Dressing—Clinical Trials	1,600,000	Shuler	
RDTE,A	Extended Lifecycle Management Environment	800,000	English	
RDTE,A	Extended Range Modular Sniper Rifle System	2,000,000		Inhofe
RDTE,A	Extreme Light Sources, University of Florida	1,600,000	Wexler	
RDTE,A	Extremely High Frequency (EHF) Transmitter for WIN-T Satellite Communications	2,000,000	Carney	Casey
RDTE,A	Extremity War Injury Research Foundation	800,000	Doyle	
RDTE,A	Eye-Safe Standoff Fusion Detection of CBE Threats	2,000,000	Doyle	Specter
RDTE,A	Facilitating Use of Advanced Prosthetic Limb Technology	1,600,000	Rush	Durbin
RDTE,A	FCV Advanced Suspension System	1,600,000		Reid
RDTE,A	Feeding Tube for Battlefield Trauma Patients (Phase II)	1,600,000	Ryan (OH)	
RDTE,A	Fibrin Adhesive Stat (FAST) Dressing	3,000,000	Etheridge, Price (NC), Van Hollen	Burr, Cardin, Dole, Mikulski, Schumer
RDTE,A	Fighting Drug Resistant Infections	2,000,000		Hageit, Nelson (NE)

RDTE,A	Fire Resistant Fuels		3,200,000	Rodriguez	
RDTE,A	Fire Shield		3,200,000	Dreier	
RDTE,A	Fire Support Technology Improvement Program		800,000	Shuster	
RDTE,A	Flame and Thermal Protection for Individual Soldier		3,200,000	Kagen	Kohl
RDTE,A	Flexible Electronics Research Initiative		1,600,000		Specter
RDTE,A	Florida Collaborative Development of Advanced Materials for Strategic Applications		1,200,000	Buchanan	
RDTE,A	Foliage Penetrating, Reconnaissance, Surveillance, Tracking, and Engagement Radar (FORESTER)		3,200,000	McHugh, Walsh	
RDTE,A	Freeze Dried Blood Technology Clinical Research		2,000,000	Cole	Cardin, Inhofe
RDTE,A	Fuel Cell Power System		800,000	Lungen	
RDTE,A	Fuel Cells for Mobile Robotic Systems Project		800,000	Jackson	
RDTE,A	Fuel Logistics Reduction through Enhanced Engine Performance		1,200,000	McGovern	
RDTE,A	Future Affordable Multi-Utility Materials for the Army Future Combat Systems		6,400,000	Boyd	Grassley, Harkin, Johnson, Thune
RDTE,A	Future TOC Hardware/Software Integration		2,000,000	Everett	Sessions, Shelby
RDTE,A	Garment-Based Physiological Monitoring Systems		1,600,000	Castle	Biden, Carper
RDTE,A	Gas Engine Driven Air Conditioning (GEDAC) Demonstration		2,400,000	Berkley, Porter, Grijalva, Pastor, Renzi	Reid
RDTE,A	Geosciences/ Atmospheric Research (CG/AR)		1,600,000		Allard, Salazar
RDTE,A	Geospatial Airship Research Platform		2,800,000	Kaptur	
RDTE,A	Global Military Operating Environment		2,000,000		Ensign, Reid
RDTE,A	Globally Accessible Manufacturing and Maintenance Activity		1,600,000	Knollenberg	Stabenow
RDTE,A	Green Armaments/Rangesafe		2,400,000	Frelinghuysen, Rothman, Sires	Lautenberg, Menendez

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	Green Environmentally Sustainable Laboratories and Clean rooms (USAMRMC)	800,000	Bishop (GA)	
RDTE,A	Ground Combat Systems Electronic Enhancements	2,400,000	McKeon	
RDTE,A	Ground Vehicle Integration Technologies	2,400,000		Levin
RDTE,A	Ground Vehicle Reliability Modeling for Condition-Based Maintenance	800,000		Levin, Stabenow
RDTE,A	Ground-forces Readiness Enabler for Advanced Tactical Vehicles (GREAT-V)	800,000		Hutchison
RDTE,A	Gunfire Detection Systems for Unmanned Aerial Vehicles	800,000	Everett	
RDTE,A	Hawaii Undersea Chemical Military Munitions Assessment Plan	4,000,000	Hirono, Abercrombie	
RDTE,A	Headborne Energy Analysis and Diagnostic System (HEADS)	1,600,000	Mitchell	
RDTE,A	Health Informatics Initiative	2,500,000	Putnam, Castor, Young (FL)	
RDTE,A	Health Information Technology Demonstration Project at Madigan Army Medical Center and Puget Sound VA Medical Center	1,000,000		Cantwell
RDTE,A	Health Sciences Regenerative Medicine Center	3,000,000		Burr, Dole
RDTE,A	Heat Dissipation for Electronic Systems and Enclosures	2,000,000		Reid
RDTE,A	Heavy Fuel Burning Engines for UAVs	2,000,000	Diaz-Balart, Lincoln	Stabenow
RDTE,A	Heavy Fuel High Efficiency Turbine Engine	2,000,000	Wexler	
RDTE,A	Heavy Metals Total Life-Cycle Initiative	800,000		Bingaman, Domenici
RDTE,A	Helicopter Reliability and Failure Analysis Center	880,000	Cramer, Aderholt	Shelby



RDTE,A	Helicopter Vulnerability Reduction		2,400,000	DeLauro, Courtney, Shays	Dodd, Lieberman
RDTE,A	Heuristic Internet Protocol Packet Inspection Engine (HIPPIE)		2,000,000	Akin	Bond
RDTE,A	HEV Battery System for Future Combat System		1,600,000		Bayh, Lugar
RDTE,A	Hibernation Genomics		2,000,000		Stevens
RDTE,A	High Altitude Airship		3,200,000	Ryan (OH)	Brown
RDTE,A	High Altitude Integration Testbed (HIT)		3,000,000	Cramer	Sessions, Shelby
RDTE,A	High Altitude Shuttle System for Battlespace Coverage		800,000	Hooley	Smith, Wyden
RDTE,A	High Detail Architecture Analysis Tool (HDAAT)		1,440,000	Cramer	
RDTE,A	High Explosive Air Burst (HEAB) 25mm Ammunition		4,400,000	Costello, LaHood	Durbin
RDTE,A	High Fidelity Imaging System (HFIS)		800,000	Cramer	
RDTE,A	High Fidelity Virtual Simulation and Analysis		1,600,000	Aderholt	Shelby
RDTE,A	High Power Electrolytic Super-Capacitors Based On Conducting Polymers		800,000		Bond
RDTE,A	High Pressure Processing Prototype for Meals-Ready-to-Eat (MRE)		1,600,000		Murray
RDTE,A	High Speed Digital Imaging		4,500,000		Gregg, Sununu
RDTE,A	High Temperature Polymers for Missile System Applications		3,200,000		Cochran
RDTE,A	High-Frequency, High-Power Electronic and Optoelectronic Devices on Aluminum Nitride		3,200,000	Price (NC)	Burr
RDTE,A	Highly Mobile Remotely Controlled IED Countermeasures		800,000	Rothman	Lautenberg, Menendez
RDTE,A	Highly Reliable, Maintenance Free Remote Solar Power System		640,000	Johnson (IL)	
RDTE,A	Hi-Tech Eyes for the Battlefield		1,600,000		Hutchison
RDTE,A	Hospital Emergency Planning and Integration (HEPI)		800,000	Shuster	

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	Host Pathogen Interaction Study	3,200,000	Cramer	
RDTE,A	Hostile Fire Indicator	4,000,000	Shea-Porter	Gregg, Sununu
RDTE,A	Hull Humvee Protection Program	2,000,000	Barrett, Brown (SC)	Graham
RDTE,A	Human Genomics, Molecular Epidemiology, and Clinical Diagnostics for Infectious Diseases (Note: Department of Defense Military Health System Enhancement)	1,160,000	Pastor	
RDTE,A	Human Terrain Geographic Decision Support	3,000,000	Murtha	
RDTE,A	Hybrid Electric (Heavy Truck) Vehicle	2,400,000	Bartlett	Cardin, Mikulski
RDTE,A	Hybrid Luminescent Ammunition	800,000		Landrieu, Vitter
RDTE,A	HYBRID Propellant for Medium and Large Caliber Ammunition	3,200,000	Boyd	
RDTE,A	Hydraulic Hybrid Vehicles (HHV) for the Tactical Wheel Fleet	800,000	Regula, Knollenberg	Levin, Stabenow
RDTE,A	Hydrogen Batteries for the Warfighter	3,000,000	Cyburn	Graham
RDTE,A	HYPERSAR	2,400,000		Bond
RDTE,A	Hyperspectral Sensor for Improved Force Protection (Hyper-IFP)	1,600,000	Akin	
RDTE,A	Illinois Center for Defense Manufacturing	2,000,000	Manzullo, Hare	Durbin
RDTE,A	Implementation of an Advanced Tactical Wheeled Armored Vehicle System	3,000,000		Levin
RDTE,A	Improved Blackhawk De-icing	800,000	Moran (VA)	
RDTE,A	Improved EFP and IED protection, Testing, Modeling and Proving Using Lithia Alumina Silica (LAS) Glass Ceramics	2,400,000	Tauscher, Sestak	Corker

RDTE.A	Improved Lightweight Integrated Communication and Hearing Protection Device	800,000	Altmire	Casey, Specter
RDTE.A	Improved Explosive Device (IED) Simulation in Different Soils	500,000	Hereth Sandlin	Johnson, Thune
RDTE.A	Individual Airburst Weapon System	1,000,000	Hayes, Rothman	Coleman, Klobuchar, Lautenberg, Menendez
RDTE.A	Infectious and Inflammatory Disease Center at the Burnham Institute for Medical Research (Note: Department of Defense Military Health System Enhancement)	2,400,000	Bilbray, Davis (CA)	Neison (FL)
RDTE.A	Information Assurance Development	1,600,000	Holt	
RDTE.A	InfraRed Goggle Upgrade System (IRGUS)	800,000	Sessions, Shea-Porter	Cornyn
RDTE.A	Injection Molded Ceramic Body Armor	800,000	Oliver	
RDTE.A	Ink-Based Desktop Electronic Material Technology	1,600,000	Frelinghuysen	
RDTE.A	Innovative Wireless Technologies for Sensor Networks	700,000	Goode	
RDTE.A	Institute for Advanced Materials and Manufacturing Strategies (IAMMS)	1,200,000	Klidae	Stabenow
RDTE.A	Institute for the Advancement of Bloodless Medicine	1,600,000	Rothman, Garrett	Lautenberg, Menendez
RDTE.A	Institute of Surgical and Interventional Simulation (ISIS)	4,400,000	Dicks, McDermott, Smith (WA)	Cantwell, Murray
RDTE.A	Integrated Functional Materials	800,000	Young (FL)	
RDTE.A	Integrated Information Technology Policy Analysis Research	1,600,000	Lewis (CA)	
RDTE.A	Integrated Lightweight Tracker System	1,600,000	Obey	
RDTE.A	Integrated Patient Quality Program	1,600,000	Simpson	Craig, Crapo
RDTE.A	Integrated Vehicle Health Monitoring System	1,600,000	Tsongas	Kennedy
RDTE.A	Intelligent Distributed Command and Control (IDC2)	2,400,000	Viscolsky	
RDTE.A	Intelligent Fault Protected Laser Diodes	800,000	Capuano	

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	Intensive Care Unit to Intensive Care Hospital	2,400,000	Rothman	
RDTE,A	Intensive Quenching for Advanced Weapon Systems	960,000	Sutton	Schumer
RDTE,A	Inter Turbine Burner for Turbo Shaft Engines	3,200,000	Lewis (CA)	
RDTE,A	International Heart Institute/US Army Vascular Graft Research Project	1,000,000		Baucus, Tester
RDTE,A	JAMMA Lightweight, Armored, Hybrid, Power Generating, Tactical Vehicle	2,000,000	Cannon	Bennett, Hatch
RDTE,A	Joint Collaborative Medical Information System (JCMIS)	3,200,000	Murtha	
RDTE,A	Joint Combat Support Trailer	3,200,000	Kagen	
RDTE,A	Joint Fires and Effects Training System (JFEIS)	2,000,000	Cole	Inhofe
RDTE,A	Joint Medical Simulation Technology Research and Development Center (JMSTRDC)	1,600,000	Feeney	
RDTE,A	Joint Munitions and Lethality Mission Integration	1,600,000	Frelinghuysen	
RDTE,A	Joint Munitions and Lethality Warfighter Technology Insertion	2,400,000	Frelinghuysen	
RDTE,A	Joint Training Integration and Evaluation Center (JTIEC)	1,680,000	Feeney	
RDTE,A	Joint Urban Environment Test Capability	2,000,000		Bingaman
RDTE,A	Kinetic Energy Enhanced Lethality and Protection Materials	2,000,000	Davis, David	Alexander, Corker
RDTE,A	Knowledge, Innovation and Technology Sharing Program	1,600,000		Bond
RDTE,A	Large Aluminum Nitride Crystals for Effective Deep Ultraviolet Sources	800,000	McNulty	Schumer
RDTE,A	Large Area Monitoring Network (LAMNET)	6,000,000		McConnell

RDTE,A	Large Energy National Shock Tunnel (LENS XX) Hypervelocity Ground Testing	1,600,000	Higgins	
RDTE,A	Large Format Li-Ion Battery	800,000	Moore (WI)	Kohl
RDTE,A	Laser Based Explosives, Chem/Bio Standoff and Point Detector	4,000,000		Cardin, Mikulski
RDTE,A	Laser Studied and Enhanced Reactive Materials: Self-Decontaminating Polymers for Chemical-Biological Defense	1,600,000		Craig, Crapo
RDTE,A	Lattice Block Structures for AM2 Matting Replacement	2,500,000	Hodes	Gregg, Sununu
RDTE,A	Legacy Aerospace Gear Drive Re-Engineering Initiative	2,000,000	Larson	Dodd
RDTE,A	Lehman Injury Research Center (Ryder Trauma Center) (Note: Includes funding for Jackson Health System)	6,000,000	Diaz-Balart, Lincoln; Meek; Wasserman Schultz	Neison (FL)
RDTE,A	Leishmania Skin Test	800,000	Hunter	
RDTE,A	Lens-Less Micro Seeker System for Small Steerable Projectiles	1,600,000	Dreier	
RDTE,A	Light Tactical Vehicle Ambulance Shelter	2,400,000		Biden, Cantwell, Murray
RDTE,A	Light Utility Helicopter Simulator	1,200,000	Barton	
RDTE,A	Light Weight Medical Evacuation Unit	1,600,000	Knollenberg	
RDTE,A	Light Weight Structural Composite Armor for Blast and Ballistic Protection	1,600,000	Castle, Price (NC), Shuler	Burr
RDTE,A	Lightweight 1-2 Person Low-Pressure Inflatable Tents	800,000		Gregg
RDTE,A	Lightweight Anti-Ballistic Protection for Aircraft	400,000		Enzi
RDTE,A	Lightweight Caliber .50 Machine Gun (LW50MG)	8,000,000		Collins, Leahy, Snowe
RDTE,A	Lightweight Cannon Recoil Reduction	1,920,000	Heller	Ensign, Reid
RDTE,A	Lightweight Multi-Functional Material Technology for Combat Munitions Logistics	800,000	Frelinghuysen, Rothman	Lautenberg, Menendez
RDTE,A	Lightweight Munitions and Surveillance System for Unmanned Air and Ground Vehicles	2,800,000	Garrett	Lautenberg, Menendez

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	Lightweight Partial Hybrid Electric Military Transport Vehicle	1,600,000	Bayh, Lugar	
RDTE,A	Lightweight Polymer Designs for Soldier Combat Optics	1,200,000	Olver	Kennedy
RDTE,A	Lightweight Soldier Sensor Computing	800,000		Kohl
RDTE,A	Lightweight Transparent Armor for Force Protection	2,000,000	Cramer	Casey, Specter
RDTE,A	Lightweight Trauma Module	2,400,000	Frelinghuysen, Pascrell	Lautenberg, Menendez
RDTE,A	Limb Regeneration Through Biometrics Technology	800,000	Capuano	
RDTE,A	Limb Tissue Regeneration after Battlefield Injuries using Bone Marrow Stem Cells	3,000,000	Wu, Baird, Blumenauer, Hooley, Smith (WA)	Murray, Smith, Wyden
RDTE,A	Linear Accelerator Cancer Research	800,000	Rangel	Schumer
RDTE,A	Lithium Ion Battery Exchange Program	2,400,000	Dent	
RDTE,A	Logistical Fuel Processors for Army Development Program	2,800,000	Bachus, Rogers (AL)	Sessions
RDTE,A	Long Range Hypersonic Interceptor	800,000	Boyd	Brownback, Roberts
RDTE,A	Lookout Small Scale Radar	2,000,000	Walsh	Schumer
RDTE,A	Low Cost Interceptor	2,400,000		Shelby
RDTE,A	Low Temperature Vehicle Performance Research	1,600,000		Levin
RDTE,A	LSTAT Advanced Medical Technologies	2,400,000	Sanchez, Loretta; Richardson	
RDTE,A	LWI Training-based Collaborative Research	25,000,000	Skelton	

RDTE,A	Magneto Inductive Remote Activation Munition System (MI-RAMS) Frequency and Digital Enhancements	2,800,000	Lewis (CA)	
RDTE,A	Magneto-Rheological (MR) Suspensions for Tactical Wheeled Vehicles	2,400,000	Price (NC)	Dole, Stabenow
RDTE,A	Maine Institute for Human Genetics and Health	1,600,000	Michaud	Collins, Snowe
RDTE,A	Manufacturing and Industrial Technology Center	800,000	Boyd	
RDTE,A	Manufacturing Metrology for Weapon System Production and Sustainment (M2WSPS)	1,760,000		Reed
RDTE,A	Manufacturing Technology Development of Advanced Solid State Lasers	2,400,000	McNerney, Carney	Casey
RDTE,A	Mariah II Hypersonic Wind Tunnel Development	3,200,000	Rehberg	Baucus, Tester
RDTE,A	Maritime CAISR System	800,000	Shuster	
RDTE,A	Mary Bird Perkins Cancer Center (Note: A treatment Planning Research Laboratory for High Performance Computing and Radiation Dose Effects)	2,400,000	Cazayoux, Alexander	Landrieu, Vitter
RDTE,A	Maryland Proof of Concept Alliance for Defense Technologies	3,500,000		Mikulski
RDTE,A	Mass Scale Biosensor Threat Diagnostic for In-Theater Defense Utilization (FIU)	1,600,000	Ros-Lehtinen	
RDTE,A	Materials Applications Research Center	800,000	Bachus	
RDTE,A	MATRIC-Project National Shield Integration Center	2,000,000	Capito	
RDTE,A	MATRACKS	2,000,000	Peterson (MN)	
RDTE,A	Medical Errors Reduction Initiative	400,000	Rothman, Garrett	Lautenberg, Menendez
RDTE,A	Medical Modeling and Simulation Through Synthetic Digital Genes	1,000,000		Craig, Crapo
RDTE,A	Medical Resources Conservation Technology System	2,400,000	Visclosky	
RDTE,A	Medium Caliber Metal Parts Upgrade	2,600,000	Kanjorski	Casey, Specter
RDTE,A	Medium Sized Unmanned Ground Vehicles Platform	2,000,000	Diaz-Balart, Lincoln	

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	MEMS Antenna for Wireless Comms	2,400,000		Conrad, Dorgan
RDTE,A	Michigan Technological University's Project for Diverse Sensing for Synergistic Force Protection in Urban Threat Environments	800,000		Stabenow
RDTE,A	Micro Electrical Mechanical Systems (MEMS) Technology and Plastic Armor Applications	1,600,000	Ferguson	Lautenberg, Menendez
RDTE,A	Micromachined Switches in Support of Transformational Communications Architecture	2,400,000	Miller, George	
RDTE,A	Micro-systems Nanotechnology for Advanced Technology Development	1,000,000	Young (FL)	
RDTE,A	Midwest Traumatic Injury Rehabilitation Center	1,460,000	Ehlers	
RDTE,A	Military Adult Stem Cell Collection and Storage Project	800,000	Rothman	Schumer
RDTE,A	Military Burn Trauma Research Program	4,000,000	Lungren, Matsui	Boxer
RDTE,A	Military Fuels Research Program	1,600,000		McConnell
RDTE,A	Military Interoperable Digital Hospital Testbed	10,000,000	Murtha	
RDTE,A	Military Jet-Fueled Fuel Cell Generator	800,000		Smith, Wyden
RDTE,A	Military Low Vision Research	1,600,000	Lynch, Capuano	Kennedy, Kerry
RDTE,A	Military Nutrition Research: Personnel Readiness and Warfighter Performance	1,600,000	Alexander, Cazaayoux	Landrieu, Vitter
RDTE,A	Military Photomedicine Program	2,800,000	Sanchez, Loretta	Boxer, Dole, Kennedy
RDTE,A	Miniature Cooling Unit for Electronic Devices	800,000	Johnson (IL)	Durbin
RDTE,A	Miniaturized Sensors for Small and Tactical Unmanned Aerial Vehicles (MINISENS)	1,200,000	Reyes	



RDTE,A	Mini-IRAS3 Scout Surveillance System	1,600,000	Gregg, Sununu
RDTE,A	Minimizing Health Effects of Air Toxics on Military Personnel	1,600,000	Yarmuth
RDTE,A	Missile Attack Early Warning System (MAEWS)	2,000,000	Shelby
RDTE,A	Mission Execution Technology Implementation	3,200,000	Bond
RDTE,A	Mitigation of Energetic Single Point Failures	2,400,000	Hulshof, Akin Frelinghuysen
RDTE,A	MLRS Disposal System	3,000,000	Ensign, Reid
RDTE,A	Mobile Medic Training Program	800,000	Mica
RDTE,A	Mobile Object Search Toolkit for Intelligence Analysts	3,200,000	Dicks
RDTE,A	Mobile Optical Tracking System (MOTS) All Sky Imager (MASI)	1,200,000	Reyes, Rodriguez
RDTE,A	Model-Based Engineering Environment	800,000	Capuano
RDTE,A	Modeling and Testing of Next Generation Body Armor	2,000,000	Rush
RDTE,A	Modular Ballistic System for Force Protection	800,000	Durbin Collins, Snowe
RDTE,A	Modular Stethoscope For Harsh Environments	1,200,000	Coleman
RDTE,A	Modular Universal TOC Packages for Vehicles and Shelters	2,400,000	Young (FL)
RDTE,A	Moldable Fabric Armor	1,200,000	Graham
RDTE,A	Mosquito Borne Disease Prevention : Malaria & Dengue Fever	800,000	Delauro Dodd, Lautenberg, Lieberman, Menendez
RDTE,A	Moving Vehicle BAT Face Recognition Surveillance System	1,200,000	Gregg, Sununu
RDTE,A	MRAP Supportability System (MSS)	4,000,000	Murtha
RDTE,A	Multi-layer Coextrusion for High Performance Packaging	2,400,000	Obey Kohl
RDTE,A	Multipurpose Nanosat Missile System (MNMS) formerly Integrated Nanosat Delivery System (INDS)	6,000,000	Cramer Shelby

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	Munitions Evaluation for Composite Electric Armor	1,200,000		Coleman
RDTE,A	MUSC Cancer Genomics Research Collaborative	800,000	Brown (SC)	
RDTE,A	Nanocomposite Enhanced Radar and Aerospace Materials	1,200,000		Hutchison
RDTE,A	Nanocrystal Source Display	1,200,000	Markey	
RDTE,A	Nano-Crystalline Cement for High Strength, Rapid Curing Concrete with Improved Blast Resistance	1,440,000	Viscolsky	
RDTE,A	Nanofabricated Bioartificial Kidney, Pancreas, and Liver	2,500,000	Knollenberg	
RDTE,A	Nanofluids for Advanced Military Mobility	800,000	Davis (KY)	Bunning
RDTE,A	Nano-Imaging Agents for Early Disease Detection	1,600,000	Green, Al; Culberson	
RDTE,A	Nanomanufacturing of Multifunctional Sensors	1,000,000	Tsongas, Oliver	Kennedy, Kerry
RDTE,A	Nanophotonic Devices	1,600,000		Hutchison
RDTE,A	Nanoscale Biosensors	2,500,000		Lincoln, Pryor
RDTE,A	NanoSensor StageGate Accelerator (NSSA)	1,200,000	McNulty, Gillibrand	Schumer
RDTE,A	Nanostructured Materials For Photovoltaic Applications	1,600,000	McHugh	Schumer
RDTE,A	Nanosystems through Optical Biosensors	1,600,000	Slaughter	
RDTE,A	Nanotechnology for Potable Water and Waste Treatment	1,000,000	Murphy, Tim	
RDTE,A	Nanotechnology Fuze-On-A-Chip	2,800,000	Obey	Kohl

RDTE,A	Nanotechnology Manufacturing Center	2,000,000	Barrow	Chambliss
RDTE,A	Nanotubes Optimized for Lightweight Exceptional Strength Composite Materials	2,400,000	Boyd, Crenshaw	Martinez, Nelson (FL)
RDTE,A	National Biodefense Training	5,000,000	Sessions	Hutchison
RDTE,A	National Eye Evaluation and Research Network (NEER) -Clinical Trials of Orphan Retinal Degenerative Diseases	800,000		Harkin
RDTE,A	National Functional Genomics Center	6,000,000	Bilirakis, Castor, Young (FL)	Martinez, Nelson (FL)
RDTE,A	National Oncogenomics and Molecular Imaging Center	3,200,000	Knollenberg	
RDTE,A	National Warfighter Health Sustainment Study	800,000	Capuano, Price (NC)	
RDTE,A	Near-Net Shaped Direct-Sintered Silicon Carbide Torso Plates	1,600,000	Snyder	Lincoln, Pryor
RDTE,A	Networked Dynamic Spectrum Access Investigation Enhanced IMBITR	2,400,000	Bartlett	Mikulski
RDTE,A	Neural Controlled Prosthetic Device for Amputees	1,600,000	Murtha	
RDTE,A	Neuroimaging and Neuropsychiatric Trauma in Warfighters	5,000,000	Pelosi	Boxer
RDTE,A	Neuroimaging of Brain Disorders	800,000	Jones (OH)	Voynovich
RDTE,A	Neuroscience Research Consortium to Study Spinal Cord Injuries	800,000	Wasserman Schultz	Nelson (FL)
RDTE,A	Neutron/Hadron Particle Therapy	1,200,000	Foster	Durbin
RDTE,A	New High Temperature Domestic Sourced PES Foam Fabrication/Certification for DOD Aerospace Applications	2,400,000	Johnson, Eddie Bernice	
RDTE,A	New Vaccines to Fight Respiratory Infection	4,000,000	Latham	Grassley, Harkin
RDTE,A	Next Generation Communications System	1,200,000	Altmire	Casey, Specter
RDTE,A	Next Generation Diesel Engine for Ground Vehicles	4,000,000	Emanuel	Durbin, Stabenow
RDTE,A	Next Generation High Performance Ballistic Materials and Technologies Providing 7.62mm Small Arms Protection for US Armed Forces Helmets	1,440,000	Myrick	

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	Next Generation Ice Protection Technologies	1,600,000		Roberts
RDTE,A	Next Generation Lightweight Drive System for Army Weapons Systems	1,600,000	Herseth Sandlin	Johnson, Thune
RDTE,A	Next Generation Non-Tactical Vehicle Propulsion	1,600,000	Hall (NY), Kuhl	Levin, Mikulski, Stabenow, Schumer
RDTE,A	Next Generation Protective Seat	2,400,000	Gerlach	Casey, Specter
RDTE,A	Next Generation Wearable Video Capture System	800,000	Stupak	
RDTE,A	Next-generation Combat Helmet Development	2,800,000	Butterfield	Dole
RDTE,A	Nickel Boron Coating Technology for Army Weapons	2,400,000	Mahoney, Boyd	
RDTE,A	No-Idle Climate Control for Military Vehicles	1,600,000	Brady (TX)	
RDTE,A	Non-communications ECM Technology Demo	1,200,000	Holt	
RDTE,A	Non-Hazardous Infrared Anti-Reflective Coatings for Army Aircraft Sensors	1,200,000	Hayes	
RDTE,A	Norfolk State University Center for Modeling and Simulation	2,400,000	Scott (VA)	
RDTE,A	Northern Ohio Integrated Command Operations Program	1,600,000	Kaptur	
RDTE,A	Novel Approaches to Reduce the Severity of Battlefield Combined Tissue Injury	1,600,000	Berkeley, Porter	Ensign, Reid
RDTE,A	Novel Extremity Body Armor	600,000	Herseth Sandlin	Johnson, Thune
RDTE,A	Novel Flame Retardant Nylon Fabrics	1,200,000	Spratt	Chambliss
RDTE,A	Novel Guidance Kit—Phase 2 (NGK2) for M864 Projectile	4,000,000		Burr, Coleman, Leahy
RDTE,A	Novel Methods for Detecting and Inhibiting Corrosion	1,360,000		Conrad, Dorgan

RDTE,A	Novel Onboard Hydrogen Storage System Development	800,000	Levin
RDTE,A	Novel Zinc Air Power Sources for Military Applications	1,600,000	Shelby
RDTE,A	N-STEP-Enabled Manufacturing Cell for Future Combat Systems	2,400,000	Rogers (AL)
RDTE,A	OH-58D Kiowa Warrior Vehicle Health and Usage Management System (VHUMS) Demonstration	2,400,000	Jordan, Latta
RDTE,A	ONAMI Miniature Tactical Energy Systems Development	2,400,000	Welch, Herseeth Sandlin
RDTE,A	Oncology Group Pediatric Cancer Research (CH)	1,600,000	Walden, Blumenauer, Defazio, Hooley, Wu
RDTE,A	One-Step JP-8 Bio-Diesel Fuel	1,600,000	Young (FL)
RDTE,A	Online Medical Training for Military Personnel	2,800,000	Obey
RDTE,A	On-The-Move Telescoping Mast	2,400,000	Regula
RDTE,A	Open Source Intelligence for Force Protection and Intelligence	1,600,000	McConnell
RDTE,A	Operator Situational Awareness System—MEDEVAC	1,750,000	Hutchison, Roberts
RDTE,A	Optical Neural Techniques for Combat / Post-Trauma Healthcare	1,600,000	Pelosi
RDTE,A	Optimized M-25 Soldier Fuel Cell System	2,000,000	Inslee, McDermott, Smith (WA)
RDTE,A	Organic Semiconductor Modeling and Simulation	1,200,000	Castle
RDTE,A	Orion High Altitude Long Loiter (HALL) UAV	5,000,000	Biden
RDTE,A	Parts on Demand for CONUS Operations	5,000,000	Cornyn
RDTE,A	Passive IR Sensor for Persistent Wide Area Surveillance	2,000,000	Cochran, Wicker
RDTE,A	Payload and Advanced Development for Next Generation Robot Platform	2,000,000	Conrad, Dorgan
RDTE,A	Peer Reviewed Orthopaedic Extremity Trauma Research	5,000,000	Hodes
RDTE,A	Perpetually Available and Secure Information Systems (PASIS)	3,200,000	Gregg
RDTE,A			Kennedy, Kerry
RDTE,A			Bayh, Cornyn, Harkin, Hutchison, Landrieu
RDTE,A			Doyle

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	Personal Miniature Thermal Viewer	1,600,000	Michaud	
RDTE,A	Personal Status Monitor	2,000,000	McHugh, Walsh	
RDTE,A	Pharmaceutical Advanced Packaging	1,600,000	Holden	Specter
RDTE,A	Photovoltaic Tent Fabric	2,800,000	Kaptur	
RDTE,A	Plant-based Vaccine Research (Mitchell Memorial Cancer Center)	2,000,000	Lewis (KY)	
RDTE,A	Plasma Energy Pyrolysis System (PEPS) Clean Fuels	800,000	Davis (VA)	
RDTE,A	Plasma Sterilizer	3,200,000	Ellison, McCollum	Coleman, Klobuchar
RDTE,A	Plasma Technology Laboratory	800,000	Ortiz	
RDTE,A	Plug-In Architecture for DoD Medical Imaging	800,000	Moran (VA)	Warner, Webb
RDTE,A	Plug-In Hybrid Vehicle Electrification Program	3,200,000	Kilpatrick, Conyers, Dingell, Knollenberg	Levin, Stabenow
RDTE,A	Portable autonomous fluid-less near-infrared non-invasive alcohol testing devices	500,000		Bingaman
RDTE,A	Portable Emergency Broadband System	4,000,000	Gerlach, Sestak	Casey, Specter
RDTE,A	Portable Non-Magnetic Compass/Positioning/Timing Device	1,600,000	Allen, Michaud	Collins, Snowe
RDTE,A	Positron Sensors and Energy Applications	3,000,000		Cantwell, Murray
RDTE,A	Power and Energy Research Equipment Upgrades	6,000,000		Levin
RDTE,A	Power Dense Transmissions	1,280,000	Inglis, Barrett, Goode, Regula, Ryan (OH)	
RDTE,A	Prader-Willi Syndrome (PWS) Research	1,600,000	Royce	

RDTE.A	Precision Guided Airdropped Equipment	3,680,000	Clarke, Towns, Weiner	Lautenberg, Menendez, Specter
RDTE.A	Precision Molding Manufacturing Technology for Infrared Aspheric Optics	2,320,000	Rothman, Andrews, Dent	Lautenberg, Menendez, Specter
RDTE.A	Press-Loaded Explosive Projectile Washout Line	800,000	Ellsworth	Coleman, Klobuchar, Lugar
RDTE.A	Prevention of Compartment Syndrome, Ultrafiltration Catheter	1,600,000	McCollum, Ellison	Coleman, Klobuchar
RDTE.A	Processing DNA Data Using Classical Discrimination Techniques (PRODDUCT)	2,000,000	Cramer	
RDTE.A	Project Kryptolite Force Implementation Phase	1,200,000	Smith (NJ)	Lautenberg, Menendez
RDTE.A	Prostate and Ovarian Cancer Biomarkers (Note: Department of Defense Military Health System Enhancement)	1,200,000	Murphy, Patrick	
RDTE.A	Protective Textile Fabric	800,000	Dingell	Stabenow
RDTE.A	Proteomics Project (CH-LA)	1,200,000	Schiff	
RDTE.A	QuickMEDS	800,000		Sessions
RDTE.A	Quiet, Low-Impact Alternative Energy Technology	2,240,000	Wilson (OH), Space	
RDTE.A	Radar Tag Emitters	2,400,000		Domenici
RDTE.A	Radiation Hardening Initiative	2,400,000	Cramer, Aderholt	Sessions, Shelby
RDTE.A	Raman Chemical ID System	1,600,000	Tierney	Kennedy
RDTE.A	RAND Arroyo Center	4,000,000		Feinstein
RDTE.A	Range Scrap Disposal, Hawthorne Army Depot	800,000	Brady (PA), Sestak	
RDTE.A	Rapid and Accurate Pathogen Identification/Detection (RAPID) Program	1,600,000	Visclosky	Bayh, Lugar
RDTE.A	Rapid Insertion of Developmental Technology	2,400,000	Frelinghuysen, Sires	
RDTE.A	Rapid Prototyping for Special Projects	3,200,000	Frelinghuysen	
RDTE.A	Rapid Response Force Protection System	2,400,000	Rothman	

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	Rapid Response System for Active Protection of Ground and Air Vehicles	4,160,000	Cramer	
RDTE,A	Rapid Up-Armor Synthesis and Crashworthiness Design for Improved Soldier Survivability	1,200,000	Visclosky, Donnelly	
RDTE,A	Rapid Vaccine Discovery Technology	1,600,000	Visclosky, Capuano	
RDTE,A	Ration Packaging, Materials and Systems for MREs	3,600,000	Obey	Kohl
RDTE,A	Reconfigurable Tooling System	1,600,000	Heller	
RDTE,A	Regional Integrated Command Center (RICC)	800,000	Doyle	
RDTE,A	Rehabilitation and Assistive Technologies to Enhance the Life of Individuals with Disabilities	800,000	Young (FL), Castor	
RDTE,A	Remote Bio-Medical Detector	2,000,000	Murtha	
RDTE,A	Remote Explosive Analysis and Detection System (READS)	2,240,000	Cramer	
RDTE,A	Remote Unmanned Vehicle Checkpoint System	1,000,000		Levin, Stabenow
RDTE,A	Remote Video Weapons Sight, USSOCOM SBIR	2,000,000	Radanovich	
RDTE,A	Remotely Operated Weapons Systems	5,000,000	Frelinghuysen	
RDTE,A	Renewable Energy for Military Applications	1,600,000		Bayh, Lugar
RDTE,A	Renewable Energy Testing Center	1,600,000	Lungren, Matsui	
RDTE,A	Renewable Jet Fuel from Lignocellulosic Feedstocks	3,200,000	Herseth Sandlin	Johnson, Thune
RDTE,A	Respiratory Biodefense Initiative	1,600,000		Allard, Salazar



RDTE.A	Returning Soldier Adjustment Assessment Remote Monitoring System Research Study	3,120,000	Bishop (GA)	
RDTE.A	Ripsaw Unmanned Ground Vehicle (UGV) Weaponization	1,200,000	Allen	Collins, Snowe
RDTE.A	Robotics Vehicle Secure Communications	2,000,000		Stabenow
RDTE.A	Rotary Valve Pressure Swing Adsorption Oxygen Generator	800,000	Davis (CA)	
RDTE.A	Rugged Electronic Textile Vital Signs Monitoring	3,000,000	Kennedy	Reed, Whitehouse
RDTE.A	Ruggedized Cylinders for Expandable Mobile Shelters	2,400,000	Obey	Kohl
RDTE.A	Rural Health (GERMUSA) (Note: To serve remote and rural military retiree populations)	2,400,000	Shuster	Casey
RDTE.A	Safe Airway Access in Combat	2,000,000		Hagel
RDTE.A	Self Powered Prosthetic Limb Technology	2,400,000	Peterson (PA)	Casey, Specter
RDTE.A	Self Powered, Lightweight, Flexible Display Unit on a Plastic Substrate	1,600,000		Grassley, Harkin
RDTE.A	Self-Deploying Autonomous Sensor Platforms for Situational Awareness	4,000,000	Blunt	
RDTE.A	Semi-Autonomous or Unattended Psychological Operations and Reconnaissance Tool (SUPPORT)	2,400,000	Spratt	
RDTE.A	Shadow Tactical Unmanned Aerial System Flight in the National Airspace	4,000,000		Cardin, Mikulski
RDTE.A	Short Range Electro Optic (SREO)	1,600,000		Nelson (FL)
RDTE.A	Silver Fox and Manta UAS	2,000,000	Giffords	
RDTE.A	Small Agile Satellites	400,000		Feinstein
RDTE.A	Small Business Infrared Material Manufacturing-Silicon Alternative Substrates	5,600,000		Durbin
RDTE.A	Small Unmanned Aerial Vehicles and Sensors	500,000	Hereth Sandlin	Johnson, Thune
RDTE.A	Smart Data Project: Real-Time Geospatial Video Sensor Intelligence	800,000	Tierney	Kennedy
RDTE.A	Smart Machine Platform Initiative	4,000,000	Chabot, McNulty	Brown, Schumer, Voinovich

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	Smart Prosthetic Hand Technology	1,600,000		Craig, Crapo
RDTE,A	Smart Prosthetics Research	1,600,000	Kuhl, Walsh	Schumer
RDTE,A	Smart Sensor Supercomputing Center	5,800,000		Byrd
RDTE,A	SOCOM Lightweight Unmanned Ground Robot	1,600,000	Ross	
RDTE,A	Software Lifecycle Affordability Management Phase II (SLAM II)	800,000	Saxton	Lautenberg, Menendez
RDTE,A	Soldier Fuel Cell System	2,400,000	Visclosky	
RDTE,A	Soldier Portable Power Pack (SP3) for the 21st Century Warrior	1,700,000	Price (NC), Hayes	Dole
RDTE,A	Soldier Survival in Extreme Environments	2,960,000		Hagel, Nelson (NE)
RDTE,A	Soldier Worm Gunshot Detection System	2,400,000	Visclosky	
RDTE,A	Solid Oxide Fuel Cell Powered Tactical Smart Charger	1,600,000	Walsh	
RDTE,A	Solid State Processing of Titanium Alloys for Defense Materiel Armaments	1,440,000	Kaptur	
RDTE,A	Solid State Shelter Lighting System	384,000	Hill	Bayh
RDTE,A	Solutions for Infection Control in Military Hospitals	2,000,000		Nelson (NE)
RDTE,A	Southeast Nebraska Cancer Center/National Functional Genomics Center	1,200,000	Fortenberry	Nelson (NE)
RDTE,A	Specialized Compact Automated Mechanical Clearance Platform	1,600,000	Murphy, Patrick	
RDTE,A	Spectroscopic Materials Identification Center	800,000	Berry	Lincoln, Pryor
RDTE,A	Spinal Muscular Atrophy (SMA) Research Program	3,200,000	Pelosi, Nadler, Rangel	Schumer

RDTE.A	Spring Suspended Airless Tires for Convoy Protection	2,800,000	Obey	
RDTE.A	Stabilized Enzyme Biofuel Cell (SEBC) for Unmanned Ground Sensors	800,000	Bond	
RDTE.A	Standoff Hazardous Agent Detection and Evaluation System	2,800,000	Berry	Lincoln, Pryor
RDTE.A	Standoff Improvised Explosive Device Detection Program	4,800,000	Boyd, Berry, Brown (FL), Hirono, Meek	Akaka, Lincoln, Martinez, Pryor
RDTE.A	Staph Vaccine	4,000,000		Conrad, Dorgan
RDTE.A	Strattice Dermal Matrix Research	2,400,000	Ferguson	
RDTE.A	Stryker Common Active Protection System (APS) Radar	1,600,000	Johnson, Sam; Hall (TX); Reyes	Cornyn
RDTE.A	Stryker Second Source Tire Research	800,000	Goode, Ryan (OH)	Voivovich, Warner, Webb
RDTE.A	Super High Accuracy Range Kit (SHARK)	3,600,000	Young (FL)	
RDTE.A	Superior Weapons Systems Through Castings	1,600,000		Brownback, Lincoln, Pryor, Roberts
RDTE.A	Superlattice Semiconductors for Mobile SS Lighting and Solar Power Applications	2,400,000	Hinchey	
RDTE.A	Sustainable Alternative Energy for DoD	2,400,000	Obey	
RDTE.A	Synchrotron-based Scanning Research Neuroscience and Proton Institute	5,000,000	Lewis (CA)	
RDTE.A	Synthetic Automotive Virtual Environments	2,400,000	Hodes	
RDTE.A	Systems Biology Biomarkers Toxicology Initiative	2,640,000	Dicks, Baird, McDermott	Murray
RDTE.A	Tactical Asset Visibility Enhancement	500,000		Reid
RDTE.A	Tactical Booster for Mobile Network Centric Warfare	1,600,000	Obey	Kohl
RDTE.A	Tactical Metal Fabrication System (TacFab)	2,000,000	Turner, Brown (SC), Clyburn, Markey, Ryan (OH), Tierney, Tsongas	Kerry, Lautenberg, Menendez
RDTE.A	Tactical RPG Airbag Protection System (TRAPS) Enhancement	800,000	Capps, Farr	
RDTE.A	Technologies for Metabolic Monitoring (TMM)	800,000	Gonzalez	Wicker

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	Technologies for Military Equipment Replenishment	3,600,000	Obey	Kohl
RDTE,A	Technology and Human Systems Integration	2,400,000		Kennedy
RDTE,A	Technology Commercialization and Management Network	1,600,000	Lewis (CA), Hinojosa	
RDTE,A	Technology for Rapid Foreign Language Acquisitions for Specialized Military and Intelligence Purposes	1,200,000		Sununu
RDTE,A	Telepharmacy Remote Medicine Device Unit (TRMDU)	1,400,000	Brady (PA), English	Casey
RDTE,A	Terahertz Spectrometer	800,000	Murphy (CT)	Dodd, Lieberman
RDTE,A	Test Support Infrastructure Darning and Trafficability Study	4,000,000		Bingaman, Domenici
RDTE,A	Thermal and Electrical Nanoscale Transport (TENT)	1,600,000	Honda	
RDTE,A	Thermoelectric Power Generation Materials and Devices	1,200,000		Hutchison
RDTE,A	Threat Detection and Neutralization Project	3,200,000	Mollohan	
RDTE,A	Titanium Extraction, Mining and Process Engineering Research (TEMPER)	3,000,000		Baucus
RDTE,A	Titanium Powder Advanced Forged Parts Program	1,600,000	Murtha	
RDTE,A	Total Quality System for FDA Regulated Activities Database	1,440,000	Bishop (GA)	
RDTE,A	Toxic Particles	800,000	Allen	Collins, Snowe
RDTE,A	Transportable Cryofracture/Plasma Arc	1,600,000	Doolittle	Baucus, Tester
RDTE,A	Trauma Care, Research and Training	2,400,000		Hutchison

RDTE,A	Trauma Hemostat	800,000	Cohen	
RDTE,A	Turbo Fuel Cell Engine	2,500,000	Murtha	
RDTE,A	UAS Sense and Avoid Concept Evaluation for Airspace Integration	2,400,000		Shelby
RDTE,A	UAV-Resupply BURRO	1,200,000	Larson	Dodd, Lieberman
RDTE,A	Ultra High Speed MEMS Electromagnetic Cell Sorter (UHSMECS)	2,400,000	Capps	
RDTE,A	Ultra Light Weight Transmission for FCS	1,600,000	Walberg	Stabenow
RDTE,A	Ultra-Endurance Coating	3,600,000	Hobson	
RDTE,A	Ultra-High Resolution Display for Army Medicine (UHRDARM)	4,000,000	Hall (NY)	Murray
RDTE,A	Ultrasonic Consolidation for Armor Applications	1,200,000	Dingell	Levin, Stabenow
RDTE,A	Ultrasonic Impact Technology	1,200,000		Shelby
RDTE,A	UMDNJ Cancer Initiative	2,400,000	Payne, Pallone, Sires, Smith (NJ)	
RDTE,A	Uncooled Metal-Oxide Semiconductor Field-Effect Transistor (MOSFET) Embedded Micro-cantilevers	2,400,000	Visclosky	
RDTE,A	Universal Control Full Authority Digital Engine Control (FADEC)	3,200,000	Larson	Dodd, Lieberman
RDTE,A	University Center for Disaster Preparedness and Emergency Response	1,600,000	Pallone, Payne, Smith (NJ)	Lautenberg, Menendez
RDTE,A	Unmanned Ground Vehicle Advanced Technology Development	2,500,000	Murtha	
RDTE,A	Unmanned Ground Vehicle Initiative (UGVI)	12,000,000		Levin
RDTE,A	Unserviceable Ammunition Demilitarization via Chemical Dissolution	800,000		Bennett, Hatch
RDTE,A	Urban Patterns and Signatures to Support Counter-Insurgency Operations	1,200,000		Gregg
RDTE,A	Use of Drugs to Reduce Hearing Loss from Acute Acoustic Trauma	1,280,000	McHugh	

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,A	UXO Detection and Classification in Volcanic Soil Using an Integrated Fully Polametric GPR and Chemical Sensor Technology	1,000,000	Hirono	Alaska
RDTE,A	Vectored Thrust Ducted Propeller Compound Helicopter	5,000,000	Castle	Biden, Carper, Casey, Specter
RDTE,A	Vehicle Armor Structure Development and Testing for Future Combat Systems and Joint Light Tactical Vehicle	800,000	Levin	Levin, Stabenow
RDTE,A	Vehicle Common Armor Manufacturing Process (VCAMP)	2,000,000	Saxton	
RDTE,A	Vertical Integration for Missile Defense Surveillance Data	3,280,000		Cochran
RDTE,A	Vertical/Horizontal Integration of Space Technologies and Applications (VISTA)	2,400,000	Aderholt	
RDTE,A	VideoArgus	2,000,000	Holt, Rothman	Lautenberg, Menendez
RDTE,A	Vigilant Sentinel Auto-ID and Access Control System	1,600,000	Tiahrt	
RDTE,A	VIPER Mobile Power Development Project	800,000	Harman	
RDTE,A	Virtual Opportunity and Information Center	1,000,000	Murphy, Tim	
RDTE,A	Vision Integrating Strategies in Ophthalmology and Neurochemistry (VISION)	3,200,000	Granger	Cornyn
RDTE,A	Visualization for Training and Simulation in Urban Terrains	1,200,000		McConnell
RDTE,A	Warfighter Cancer Care Engineering	2,400,000	Carson	Bayh, Lugar
RDTE,A	Wearable Gyro-Compensated Personnel Tracking During GPS Interference	800,000	Slaughter, Kuhl	
RDTE,A	Wearable Personal Area Network Technology	2,400,000	Spratt	
RDTE,A	Weight Measurements and Standards for Military Personnel	2,000,000		Vitter

RDTE, A	Western Hemisphere Security Analysis Center	1,600,000	Hastings (FL)	Neison (FL)
RDTE, A	Wireless Analysis and Visualization Engines for Sensors (WAVES)	800,000	Stupak	
RDTE, A	Wireless Electronic Patient Records	3,200,000	Harman	Feinstein
RDTE, A	Wireless Medical Monitoring System (WiMed)	1,600,000	Boswell, Latham	Grassley, Harkin
RDTE, A	Wound Infection Treatment Program	2,400,000	Baldwin	Kohl
RDTE, A	Wyoming Valley Integrated Command Operations Program (ICOP)	1,600,000	Carney	
RDTE, AF	Accelerated Insertion of Advanced Materials and Certification for Military Aircraft Structure Material Substitution and Repair	3,000,000	Tiahrt	Brownback, Roberts
RDTE, AF	Accelerator-Driven Non-Destructive Testing	2,000,000	Simpson	Crapo
RDTE, AF	ACES 5 Ejection Seat	5,600,000	Lamborn, Pastor	Allard, Bennett, Cochran, Lieberman, Salazar, Wicker, Dodd,
RDTE, AF	Acquisition Data Repository (ADR)	2,800,000	Hobson	
RDTE, AF	Active Unmanned Air Vehicle (UAV) Phenomenology and Automatic Target Recognition Technology Transition (ATR)	2,000,000	Hobson	
RDTE, AF	Advance Casting and Coating Technologies for Aircraft Canopies	2,800,000	Sutton	Specter
RDTE, AF	Advance Threat Alert/Advance Technology Demonstration	4,880,000	Hodes	Gregg, Sununu
RDTE, AF	Advanced Aerospace Heat Exchangers	1,600,000	Wilson (OH)	Voinovich
RDTE, AF	Advanced Carbon Fiber Research and Test Initiative	2,400,000	Spratt, Inglis	Graham
RDTE, AF	Advanced Data Exploitation and Visualization	800,000		Brown
RDTE, AF	Advanced Electromagnetic Location of IEDs Defeat System	1,600,000	Kaptur	
RDTE, AF	Advanced Fiber Lasers Systems and Components	960,000		Murray
RDTE, AF	Advanced fuel cell based power system for small UAV applications	1,200,000		Reid

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,AF	Advanced Lithium Ion Battery Manufacturing	1,600,000	Scott (GA)	Isakson
RDTE,AF	Advanced Military Installations that Integrate Renewable Energy and Advanced Energy Storage Technologies	4,000,000		Bond
RDTE,AF	Advanced Modular Avionics for Operationally Responsive Space Use	2,400,000	Wilson (NM)	Bingaman, Domenici
RDTE,AF	Advanced Nanotube Micro-Munitions Weapon Technology Initiative	1,600,000	Bishop (GA)	
RDTE,AF	Advanced Staring Infrared Testbed (ASIRT) Technology Demonstration	960,000		Allardi, Salazar
RDTE,AF	Advanced Technical Intelligence Center (ATIC)	2,000,000	Hobson	Voinovich
RDTE,AF	Advanced Thermal Control Coatings for Space Applications	1,600,000	Davis (IL)	
RDTE,AF	Advanced Vehicle Propulsion Center	1,200,000	McKeon	
RDTE,AF	Aerodynamic Wind Tunnel Upgrade Initiative	1,600,000	Giffords	
RDTE,AF	Aerospace Lab Equipment Upgrade	800,000	Napolitano	
RDTE,AF	Affordable Lightweight Power Supply Development	1,000,000	Gerlach	Casey, Specter
RDTE,AF	Air Cargo Tracking and Analysis/Secure Skies	1,360,000		Inouye
RDTE,AF	Air Force Minority Leaders Program	8,000,000		Alexander, Corker, Hutchison, Landrieu
RDTE,AF	Air Purification with Carbon Nanotube Nanostructured Material	5,000,000		Leahy
RDTE,AF	Aircraft Evaluation Readiness Initiative	2,400,000		Grassley, Harkin
RDTE,AF	Aircraft Fatigue Modeling and Simulation	3,000,000		Hutchison



RDTE,AF	Alternative Energy—Tin City	500,000	Stevens
RDTE,AF	Alternative Energy Fuel Cell Power	1,600,000	Brown
RDTE,AF	Applications of LIDAR to Vehicles with Analysis	7,000,000	Inouye
RDTE,AF	Assessment of Alternative Energy for Aircraft Ground Equipment	1,600,000	Smith, Wyden
RDTE,AF	ASSET eWing and Data Fusion Technology Integration	4,000,000	Byrd
RDTE,AF	Assured Aerospace Fuels Research	1,600,000	Voinovich
RDTE,AF	AT-6B Capabilities Demonstration for the Air National Guard	6,000,000	Brownback
RDTE,AF	Automated Sensor-Communication Response Technology	1,600,000	Hobson
RDTE,AF	B-1 Bomber 16-Carry Adapter Weapons Initiative	4,160,000	Herseth Sandlin
RDTE,AF	B-2 Advanced Tactical Data Link	11,200,000	Feinstein, Inhofe
RDTE,AF	Ballistic Missile Technology	2,400,000	Young (FL)
RDTE,AF	Base Facility Energy Independence	3,200,000	Kaptur
RDTE,AF	BattleSpace: Reducing Military Decision Cycles	1,280,000	Hagel, Nelson (NE)
RDTE,AF	Big Antennas Small Structures Efficient Tactical (BASSET) UAV	1,200,000	Harman
RDTE,AF	Bio-IP8 Fuel Development	800,000	Boyd
RDTE,AF	Biothreat Test Pouch for Film Array System	800,000	Bennett
RDTE,AF	Body Armor Improved Ballistic Protection	2,000,000	Murtha
RDTE,AF	Broad Area Multi-Intelligence Ubiquitous Surveillance Enterprise	1,600,000	Walsh, Kuhl
RDTE,AF	C-130 Automated Inspection, Repair, Corrosion and Aircraft Tracking Condition-Based Maintenance Plus	3,200,000	Kingston, Marshall
RDTE,AF	Carbon Nanotube Enhanced Power Sources for Space	2,400,000	Markey, Olver

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDIE,AF	Carbon Nanotube-based Radiation Hard Nano-Electronic Devices	7,200,000	Blunt	
RDIE,AF	Carbon Non-Materials for Advanced Aerospace Applications	2,400,000	Culberson	
RDIE,AF	Center for Microplasma Science and Technology (CMST)	2,000,000	Rothman, Sires	Lautenberg, Menendez
RDIE,AF	Center for Responsive Space Systems	800,000	Wilson (NM)	Bingaman
RDIE,AF	Center for Solar Electricity and Hydrogen	3,600,000	Kaptur	
RDIE,AF	Center of Excellence for Defense UAV Education	4,000,000	Pomeroy	Conrad, Dorgan
RDIE,AF	Ceramic Matrix Composite Turbine Blade Demonstration	4,000,000	Shays	Dodd
RDIE,AF	Chip Scale Atomic Clock	2,400,000	Young (FL)	
RDIE,AF	Close Proximity Space Situational Awareness	640,000	Edwards (TX)	
RDIE,AF	Coal Transformation Laboratory	800,000		Lugar
RDIE,AF	Combat Sent Wideband Sensor Upgrade Program	3,040,000		Ensign
RDIE,AF	Command and Control Service Level Management (CZSLM) program	4,000,000	Blunt	
RDIE,AF	Compact Laser Terminal for Airborne Network Centric Warfare	2,800,000	Visclosky	
RDIE,AF	Component Object Model Attitude Control System Simulation/Trainer	1,600,000		Murray, Warner, Webb
RDIE,AF	Compound Zoom for Airborne Reconnaissance (CZAR)	1,200,000	Sherman	
RDIE,AF	Conducting Polymer Stress and Damage Sensors for Composites	1,440,000		Cochran
RDIE,AF	Consortium for Nanomaterials for Aerospace Commerce and Technology	2,400,000	Hinojosa	Hutchison

RDTE,AF	Conventional Strike Mission Integration Demonstration	4,800,000	Lewis (CA)		
RDTE,AF	Core Component Jammer (CCJ)	9,000,000	Tiaht		Brownback, Roberts
RDTE,AF	COTS Analysis Tools for Navigational Warfare	1,200,000	Sestak		
RDTE,AF	COTS Technology for Situational Space Awareness	2,800,000	Gerlach		Specter
RDTE,AF	Cyber Attack Mitigation and Exploitation Laboratory (CAMEL) III	2,000,000	Arcuri		Schumer
RDTE,AF	Cyber Security Laboratory at Louisiana Tech University	3,000,000	Alexander, McCrey		Landrieu
RDTE,AF	Defensive Counterspace Testbed	800,000			Allard
RDTE,AF	Development and Testing of Advanced Paraffin-Based Hybrid Rockets for Space Applications	2,800,000	Loftren		
RDTE,AF	Development and Validation of Advanced Design Technologies for Hypersonic Research	2,000,000			Coleman, Klobuchar
RDTE,AF	Diamond Substrate for Cooling of Micro-Electronics	2,000,000			Reed
RDTE,AF	Distributed Mission Interoperability Toolkit (DMIT)	1,600,000	Sestak, Andrews, LoBiondo		
RDTE,AF	Eglin AFB Range Operations Center (ROCC) Initiative	800,000	Miller (FL)		
RDTE,AF	Eielson Air Force Base Alternative Energy Source Program	2,400,000	Young (AK)		
RDTE,AF	Eielson Air Force Base Coal to Liquid Initiative	5,000,000			Stevens
RDTE,AF	Electromagnetic In-Flight Propeller Balancing System	2,000,000	English		Casey, Specter
RDTE,AF	Electronics Liquid Cooling for Advanced Military Ground and Aerospace Vehicle Projects	1,000,000	LaTourrette		
RDTE,AF	EMI Grid Fabrication Technology	2,720,000	Bono Mack		
RDTE,AF	Energetic Device Quality and Reliability Improvements Using Computer Aided Process Control	2,400,000	Blunt		
RDTE,AF	Expeditionary 200 kW+ Alternative Power Generator	800,000	Lamborn		

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,AF	Expert Organization Development System (EXODUS)	1,000,000	Capito	
RDTE,AF	F-15 AESA Development and Demonstration	12,000,000		Cochran, Feinstein, Wicker
RDTE,AF	F-15 AN/APR-56C RWR Digital Receiver Upgrade	3,200,000	Rothman, Pascrell	Lautenberg, Menendez
RDTE,AF	FEL Capabilities for Aerospace Microfabrication	1,120,000	Wittman	
RDTE,AF	Field Programmable Gate Arrays Mission Assurance Center	3,000,000		Bingaman, Domenici
RDTE,AF	Fire and Blast Resistant Materials for Force Protection	1,600,000	Moore (WI)	Kennedy, Kohl
RDTE,AF	Flash Hyper-Dimensional Imaging System for Space Situational Awareness and Ballistic Missile Defense	1,600,000	Hirono	Akaka, Inouye
RDTE,AF	Flexible Access Secure Transfer (FAST)	1,200,000	Pascrell, Rothman	
RDTE,AF	Florida National Guard Missile Range Safety Technology	1,600,000	Young (FL)	
RDTE,AF	FPS-16 Radar Mobilization Upgrade	2,800,000	Miller (FL)	
RDTE,AF	Freedom Fuels/Coal Fuels Alliance	3,200,000		Bunning
RDTE,AF	Gallium Nitride RF Power Technology	1,600,000	Coble	
RDTE,AF	Health Surveillance System	1,600,000	Inslee	Murray
RDTE,AF	High Power Broadly Tunable Middle-Infrared Laser Sources	2,400,000	Davis (AL)	
RDTE,AF	High Temperature Hydrogen Energy Production Facility	1,200,000		Hutchison
RDTE,AF	Holloman High Speed Test Track	4,000,000	Pearce	Bingaman, Domenici

RDTE,AF	Homeland Emergency Learning and Preparedness (HELP) Center	3,000,000	Hobson	
RDTE,AF	Hybrid Bearing	1,600,000	Coble, Hayes, Shuler, Turner	Dodd, Dole, Gregg, Lieberman, Voinovich
RDTE,AF	Hybrid Sounding Rocket Propulsion	800,000	Hunter	
RDTE,AF	Hydrocarbon Boost Technology Demonstrator	1,400,000	McCarthy (CA), Doolittle, Matsui, McKeen	
RDTE,AF	Imaging Tools for Human Performance Enhancement and Diagnostics	2,000,000	Hobson	Voinovich
RDTE,AF	Inductive Thermography Systems Inspection	2,400,000		Murray
RDTE,AF	Information Quality Tools for Persistent Surveillance Data Sets	1,600,000	Snyder	Lincoln, Pryor
RDTE,AF	Innovative Polymeric Materials for Three-Dimensional (3-D) Microdevice Construction	1,600,000	Emerson	
RDTE,AF	Institute for Science and Engineering Simulation (ISES)	3,360,000	Burgess	
RDTE,AF	Integrated Aircraft Energy Management	2,000,000	Hobson	
RDTE,AF	Integrated Electrical Starter/Generator (IES/G)	1,600,000	Turner	Voinovich
RDTE,AF	Integrated Power for Aircraft Technologies (IMPACT II)	3,500,000	Manzullo	Durbin
RDTE,AF	Integrated Propulsion Analysis Tool	2,000,000	Lewis (CA)	
RDTE,AF	Integrated SAR/PI Evaluator for Critical Target and Activity Recognition (INSPECTAR)	800,000	Hobson	
RDTE,AF	Integrated Spacecraft Engineering Tool (ISET)	1,600,000	Lewis (CA)	
RDTE,AF	Integrated Targeting Device	3,000,000		Nelson (FL)
RDTE,AF	Intelligent Manufacturing Initiative	2,400,000	Pryce	Voinovich
RDTE,AF	Internal Base Facility Energy Independence—Solar	1,600,000	Kaptur	
RDTE,AF	Joint Theater Air Ground Simulation System	2,400,000		Martinez
RDTE,AF	Large Aircraft Infrared Countermeasures for AFSOC AC/MC-130 Aircraft	4,400,000	Miller (FL)	Martinez, Nelson (FL)

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,AF	Large Area, APVT Materials Development for High Power Devices	800,000	Frelinghuysen	Lautenberg, Menendez
RDTE,AF	Laser Peening for Friction Stir Welded Aerospace Structures	1,600,000	Tiahrt	
RDTE,AF	Lean Management System Research Initiative at Air Mobility Wing MacDill AFB	800,000	Young (FL)	
RDTE,AF	LGX High Temperature Acoustic Wave Sensors	1,600,000		Collins, Snowe
RDTE,AF	Light Weight Organic Photovoltaic Technologies	1,200,000	Altmire	
RDTE,AF	Lightweight, High-Efficiency Solar Cells for Spacecraft	800,000		Durbin
RDTE,AF	Liquid Crystal Laser Eye Protection	1,600,000	Ryan (OH)	
RDTE,AF	Lithium Ion Domestic Materials Development	1,600,000	Courtney	Dodd
RDTE,AF	Low Profile Arresting Gear	800,000	Sestak	Casey
RDTE,AF	Low Voltage, Wideband Electro-Optic Polymer Modulators	3,000,000	Inslee	Cantwell, Murray
RDTE,AF	Low-Earth Orbit Nanosatellite Integrated Defense Autonomous Systems	5,000,000		Inouye
RDTE,AF	Manufacturing of High Energy Superior Lithium Battery Technology	6,000,000		Bond
RDTE,AF	Massively Parallel Optical Interconnects (MPOI) for ISR Satellites	1,600,000		Ensign
RDTE,AF	Massively Parallel Optical Interconnects for MicroSatellite Applications	1,600,000		Reid
RDTE,AF	Materials Integrity Management Research for Air Force Systems	800,000		Roberts
RDTE,AF	Microcomposite Coatings for Chrome Replacement	800,000	Jones (OH)	
RDTE,AF	Micro-Grid Energy Storage Utilizing a Deployable Zinc-Bromide Flow Battery	1,600,000	Marshall	

RDTE,AF	Micromachined Switches for Next Generation Modular Satellites	2,400,000	Miller, George	
RDTE,AF	Micro-Satellite Serial Manufacturing to Include Academic Outreach Educational Program	800,000	Harman, Lewis (CA)	
RDTE,AF	Mobile Wind Turbine Systems to Power Forward Bases	800,000		Brown
RDTE,AF	Moving Target Strike	2,000,000	Miller (FL)	
RDTE,AF	M-PACT High Pressure Pure Air Generator System	1,600,000	Frelinghuysen, Garrett	Lautenberg, Menendez
RDTE,AF	MPOI for Battlespace Information Exchange	3,900,000		Reid
RDTE,AF	MQ-9 Reaper—UAS AirPortal, Hancock Field	3,000,000	Walsh	
RDTE,AF	MSSS Operations & Research	22,000,000		Inouye
RDTE,AF	Multi Platform Radar Technology Improvement Program (MPRTIP) Integration and Test on JSTARS	20,000,000	Shays, Weldon	Chambliss, Dodd, Isakson, Lieberman
RDTE,AF	Multicontinuum Technology for Space Structures	2,880,000	Cubin	Enzi
RDTE,AF	Multi-mission Deployable Optical System	4,000,000		Inouye
RDTE,AF	Multi-Mode Space Propulsion	800,000	Glichrest	Mikulski
RDTE,AF	Multiple UAS Cooperative Concentrated Observation and Engagement Against a Common Ground Objective	4,400,000	Bartlett, Sestak	
RDTE,AF	Multi-Sensor Detect. See and Avoid	6,000,000		Reid
RDTE,AF	Multi-Sensor Person-Borne Suicide Counter Bomber Detection Systems	1,200,000	Hobson	
RDTE,AF	Nano-Composite Structures Manufacturing Technology Development	800,000	Turner	Brown
RDTE,AF	Nanocomposites for Lightning Protection of Composite Airframe Structures	1,200,000	Traht	Brownback
RDTE,AF	National Test Facility for Aerospace Fuels and Propulsion	1,360,000	Buyer	
RDTE,AF	Net-Centric Sensors Grid	800,000	Hill	Bayh, Lugar

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,AF	New Electronic Warfare Specialists Through Advanced Research by Students	1,600,000	Hobson	
RDTE,AF	Next Generation Casting Supplier Base Initiative	2,400,000	Blumenauer	Reid
RDTE,AF	Next Generation Manufacturing Processes	1,200,000	Smith (TX)	
RDTE,AF	Next Generation Tactical Environmental Clothing for AFSOC	2,000,000	Rogers (AL)	
RDTE,AF	NP 2000 Propeller System—Air National Guard Special Missions C-130	2,000,000	Murphy (CT)	Dodd, Schumer
RDTE,AF	Nuclear Test Seismic Research	2,000,000		Leahy, Kennedy, Kerry
RDTE,AF	ONAMI Safer Nanomaterials and Nanomanufacturing	4,000,000	Blumenauer, DeFazio, Walden, Wu	Smith, Wyden
RDTE,AF	Operational Responsive Space Architecture for Dual Use Applications	1,272,000	Perlmutter	
RDTE,AF	Optic Band Control Program	800,000	Bilirakis	
RDTE,AF	Optically Pumped Atomic Laser (OPAL)	2,800,000	Hobson, Grijalva	
RDTE,AF	PanSTARRS	8,000,000		Inouye
RDTE,AF	Partnership for Emerging Technologies	1,600,000	Duncan	Corker
RDTE,AF	Partnership in Innovative Preparation for Educators and Students and the Space Education Consortium	800,000		Allard, Salazar
RDTE,AF	Pennsylvania NanoMaterials Commercialization Center	2,000,000	Doyle	
RDTE,AF	Persistent Sensing Data Processing, Storage and Retrieval	1,600,000		Brown
RDTE,AF	PhosnBIRD Helmet Tracker	2,480,000		Leahy



RDTE,AF	Plasma-Sphere Array for Flexible Electronics	2,800,000	Kaptur	
RDTE,AF	Precision Image Tracking and Registration	1,600,000	Young (FL)	
RDTE,AF	Predator Mission Aircrew Training System (PMATS) Upgrade	2,400,000	Hinchey	Schumer
RDTE,AF	Prepreg Thickness Variability Reduction Program	1,600,000	Hall (TX)	
RDTE,AF	Production of Nanocomposites for Aerospace Applications	1,600,000	Turner	Voinovich
RDTE,AF	Project Air Force	3,000,000		Feinstein
RDTE,AF	Radiation Hardened Microelectronics (HX5000) Carbon Nanotube Sensors	2,000,000		Coleman, Klobuchar
RDTE,AF	Radiation Hardened Non-Volatile Memory Technology	1,600,000	Lamborn	Salazar
RDTE,AF	Rapid Automated Processing of Advanced Low Observables	1,600,000		Brown
RDTE,AF	Rapid Prototyping and Nanotechnology Initiative	800,000	Waters	
RDTE,AF	Rapid Replacement of Mission Critical Electronics to Support High Usage War-time Aircraft Deployments	1,500,000	Marshall	Chambliss, Isakson
RDTE,AF	Real-time Optical Surveillance Applications	2,800,000		Inouye
RDTE,AF	Reconfigurable Electronics and Non-Volatile Memory Research	2,000,000		Craig, Crapo
RDTE,AF	Reconfigurable Secure Computing	1,200,000	Moran (VA)	Warner, Webb
RDTE,AF	Regional Telepathology Initiative at Keesler AFB	2,500,000		Cochran
RDTE,AF	Remote Suspect Identification	3,200,000	Alexander, McCrery	
RDTE,AF	Renewable Hydrocarbon Fuels for Military Applications (Great Lakes Region)	2,000,000	Kucinich	Brown
RDTE,AF	Rivet Joint ISR Network Integration	2,000,000	Hall (TX)	
RDTE,AF	Satellite Coherent Optical Receiver (SCORE)	1,750,000	Pelosi	
RDTE,AF	Science for Sustainment	1,600,000	Hobson	

**DEFENSE—Continued**

Account	Project	Amount	Requester(s)	
			House	Senate
RDIE,AF	Scorpion Low Cost Helmet Mounted Cueing and Information Display System	4,000,000	LaHood	Durbin
RDIE,AF	Secure Network Centric Operations	1,600,000	Johnson, Sam	
RDIE,AF	Semiconductor Optical Amplifier for Responsive Space MPOI	2,200,000	Heller, Porter	
RDIE,AF	Sensor Fusion	2,400,000	Hobson	
RDIE,AF	Sewage-Derived Biofuels Project	2,400,000		Cochran
RDIE,AF	Shielding Rocket Payloads	400,000	Herseth Sandlin	Johnson, Thune
RDIE,AF	Silicon Carbide Electronics Material Producibility Initiative	4,800,000	Pickering	Cochran
RDIE,AF	Silicon Carbide Power Electronics for More Electric Aircraft	3,200,000	Pickering	Cochran, Wicker
RDIE,AF	Small Adaptive Cycle Turbine Engines	1,600,000	Kaptur	
RDIE,AF	Small Low-Cost Reconnaissance Spacecraft Components	1,600,000	Bishop (UT)	
RDIE,AF	Smart View Program (SVP)	800,000	Hobson	
RDIE,AF	Sonic Infrared Imaging Technology Development	800,000		Stabenow
RDIE,AF	Space Control Test Capabilities	1,600,000	Everett, Aderholt, Rogers (AL)	Sessions, Shelby
RDIE,AF	Space Qualification of the Common Data Link	1,600,000	Cannon	Bennett
RDIE,AF	Space Situational Awareness	1,200,000	Edwards (TX)	
RDIE,AF	Space Situational Awareness—TCN Demonstration and Deployment	3,000,000		Kennedy, Kerry
RDIE,AF	Strategic Biofuel Supply Program	1,000,000	Rodriguez	Hutchison

RDIE,AF	Super-Resolution Sensor System		2,000,000	Allard
RDIE,AF	Sustainable Energy Vermont National Guard Demonstration Projects		5,000,000	Leahy, Sanders
RDIE,AF	Synthetic Aperture Radar (SAR) Thunder Radar Pod (TRP)	Israel	3,200,000	Bond, Graham
RDIE,AF	Tactical Shelters Next Generation Composite Initiative		1,600,000	Reid
RDIE,AF	Technical Order Modernization Environment	Kaptur	1,440,000	
RDIE,AF	Technology Insertion Demonstration and Evaluation (TIDE)	Doyle	3,200,000	
RDIE,AF	Texas Research Institute for Environmental Studies	Brady (TX)	1,600,000	
RDIE,AF	Thermal IR Processing and Exploitation Cell (TPEC)	Hobson	2,400,000	
RDIE,AF	Thin Film Amorphous Solar Arrays		1,600,000	Levin
RDIE,AF	Tools and Technologies for Incident and Consequence Management	Moran (VA)	800,000	
RDIE,AF	Transportable Transponder Landing System		4,000,000	Smith, Wyden
RDIE,AF	Ultra High Resolution Deployable Projector for Simulation		3,200,000	Enzi
RDIE,AF	Ultra Low Power Electronics		3,200,000	Craig, Crapo
RDIE,AF	Ultralight Aerospace Nanotube Conductors	Hodes	2,000,000	Sununu
RDIE,AF	Unmanned Aerial Systems Mission Planning and Operation Center	Moran (KS)	400,000	
RDIE,AF	Vortex Low Cost Rocket Engine		2,400,000	Kohl
RDIE,AF	Warfighter Support Using HELIOS	Cramer	2,400,000	
RDIE,AF	Warner Robbins Air Logistics Center Special Operations Forces	Marshall	800,000	Chambliss, Isakson
RDIE,AF	WASH Oxygen Sensor and Cell-Level Battery Controller	Dreier	800,000	
RDIE,AF	Watchkeeper	Rehberg	800,000	Baucus, Tester

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,AF	Weather Sensors for CoT	1,600,000	Moran (VA)	
RDTE,AF	Wideband Digital Airborne Electronic Sensing Array	2,400,000		Reed, Whitehouse
RDTE,AF	WR-ALC Strategic Airlift Aircraft Availability Improvement	3,360,000	Kingston, Marshall	Chambliss, Isakson
RDTE,AF	XT658F VAATE Small Turbo Fan Program	3,600,000	Pastor	
RDTE,DW	3-D Electronics and Power	2,400,000	Calvert	
RDTE,DW	3-D Technology for Advanced Sensor Systems	1,440,000	Simpson, Price (NC)	Craig, Crapo, Dole
RDTE,DW	Acinetobacter Baumannii Research	2,000,000	Pelosi	Boxer
RDTE,DW	Advanced Active Denial Planar Scanning Antenna System	1,600,000	Sherman, Gallegly	
RDTE,DW	Advanced Battery Technology	2,300,000	Young (FL)	
RDTE,DW	Advanced Craft Technology Demonstrators to Quantify and Mitigate Operator Injury	2,000,000	Davis (CA)	
RDTE,DW	Advanced Development of Mobile Rapid Response Prototypes	1,600,000		Lautenberg, Menendez
RDTE,DW	Advanced Emergency Response Integrated Environment (AERIE)	1,200,000	Sestak	
RDTE,DW	Advanced Information Discovery and Analysis Capability for NSA	1,200,000		Bennett, Hatch
RDTE,DW	Advanced Materials Research Institute	2,400,000	Jefferson	Landrieu, Vitter
RDTE,DW	Advanced Missile Simulation Technology for Intelligence Analysis	1,280,000		Cochran
RDTE,DW	Advanced Mobile Microgrid	2,720,000	Rogers (MI), Conyers, Dingell	Levin, Stabenow

RDTE,DW	Advanced SAM Hardware Simulator Development	5,000,000	Johnson (GA), Bishop (GA), Cramer, Gingrey, Scott (GA)	Chambliss, Isakson
RDTE,DW	Advanced Scientific Missile Intelligence Preparation of the Battlespace (PB)	2,000,000	Cramer	
RDTE,DW	Advanced Tactical Laser Flashlight Devices	1,200,000	Kipatrack	
RDTE,DW	Advanced Tactical Threat Warning Radio (ATTWR)	1,200,000	Logren	Boxer
RDTE,DW	Advanced Technology Sensors and Payloads	1,600,000	Lewis (CA)	
RDTE,DW	Advanced, Long Endurance Unattended Ground Sensor Technologies	3,600,000	Pickering	Cochran
RDTE,DW	AELED IED Electronic Signature Detection	3,200,000	Murtha	
RDTE,DW	Agile JTRS Integrated Circuits	1,600,000	Capps	
RDTE,DW	Agile Software Capability Interventions	1,600,000		Bond
RDTE,DW	Aging Systems Sustainment and Enabling Technologies	2,000,000	Lucas	Inhofe
RDTE,DW	Airborne Infrared Surveillance (AIRS) System	800,000	Sullivan, Boren	Inhofe
RDTE,DW	All-Source Content Management (ASCMAN) for Actionable Intelligence	1,600,000		Bond
RDTE,DW	Antibody-Based Therapeutic Against Smallpox	800,000	Van Hollen	Cardin
RDTE,DW	Antioxidant Micronutrient Therapeutic Countermeasures for Chemical Agents	800,000	McCarthy (NY)	
RDTE,DW	Arctic Regional Supercomputer	3,200,000		Stevens
RDTE,DW	Armed Forces Health and Food Supply Research	5,000,000		Roberts
RDTE,DW	Augmented Reality to enhance Special Warfare Domain Awareness	1,600,000	Allen	Collins, Snowe
RDTE,DW	Autonomous Rendezvous/Formation Flight	2,000,000		Reid
RDTE,DW	Bio Agent Early Warning Detector	2,000,000	Hoyer	Cardin
RDTE,DW	Bio-Butanol Production Research	2,000,000	Clyburn	

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,DW	Biodefense Vaccine Development and Engineering of Antiviral Peptides	1,600,000		Vitter
RDTE,DW	Biofuels Program	1,600,000		Levin
RDTE,DW	Biological Threat Antibody Research	1,600,000	King (IA), Herseth Sandlin	
RDTE,DW	Biometric Signatures Research	2,000,000		McConnell
RDTE,DW	Biometric Terrorist Watch-List Data Base Management Development	1,600,000	Ramstad, Shays, Tsongas	Coleman, Kerry, Lieberman
RDTE,DW	Biosurety Development and Management Program	1,200,000	Reyes	
RDTE,DW	BOPPER (Bioterrorism Operations Policy for Public Emergency Response)	1,200,000	Watt	Burr
RDTE,DW	Botulinum Neurotoxin Research	1,600,000	Baldwin	Kohl
RDTE,DW	Buoyancy Assisted Lift Air Vehicle	2,500,000	Napolitano, Sherman	
RDTE,DW	Camp Guernsey Joint Training and Experimentation Center	6,000,000		Barrasso
RDTE,DW	Carbon Nanotube Chemical Detector	800,000	Edwards (TX)	
RDTE,DW	Carbon Nanotube Thin Film Devices for Portable Power	1,600,000	Lewis (CA)	
RDTE,DW	Catalytic Oxidation Integrated Demonstration	2,400,000	LaTourrette, Pastor	
RDTE,DW	Cellulosic-Derived Biofuels Research Project	4,000,000	Chandler	
RDTE,DW	Center for Advanced Emergency Response	4,400,000		Durbin
RDTE,DW	Center for Autonomous Solar Power (CASP) large-area, flexible PV energy research	4,000,000	Hinchee	Schumer
RDTE,DW	Center for Innovative Geospatial Technology	10,000,000	Lewis (CA)	

RDTE,DW	Center for Nonproliferation Studies, Monterey Institute for International Affairs	1,200,000	Berman	
RDTE,DW/GP	CEROS	10,000,000		Inouye
RDTE,DW	Chemical Warfare Agent Fate Appropriate Response Tool	1,600,000	Klideo	
RDTE,DW	Chemical/Biological Infrared Detection System	1,200,000		Collins
RDTE,DW	Chemical/Biological Preparedness Center for Advanced Development of Mobile Rapid Response Prototypes	4,000,000	Rothman	
RDTE,DW	Collaboration Gateway	1,200,000	Lewis (CA)	
RDTE,DW	Collection Management Tool Development	1,440,000	Cramer, Aderholt	Shelby
RDTE,DW	Combating Terrorism Technology Support Office/STAR-TEC Partnership Program	2,400,000	Young (FL)	
RDTE,DW	Commercial Denied Area Radar/grammetry Mapping	800,000		Allard, Salazar
RDTE,DW	Commodity Management System Consolidation program	1,600,000		Byrd
RDTE,DW	Common UGV Command and Control for PSYOP Programs	800,000	Moran (VA)	
RDTE,DW	Communications-Capable Reconnaissance Imager	800,000		Leahy
RDTE,DW	Comprehensive Maritime Domain Awareness	4,500,000	Young (FL)	
RDTE,DW	Comprehensive National Incident Management System	2,000,000	Moran (VA), Goode	Warner, Webb
RDTE,DW	Connectory Expansion for Rapid Identification of Technology Sources for DoD	400,000	Hunter	
RDTE,DW	Contaminated Human Remains Pouch	1,600,000		Brownback, Roberts
RDTE,DW	Continuation of Advanced Materials (Mercuric Iodide) Research for Nuclear Detection, Counter-Proliferation and Imaging for CBRNE Special Operations	800,000	Young (FL)	
RDTE,DW	Continuation of Industry Based Research into Biological Agent Identifiers without Wet Reagents	1,600,000	Young (FL)	
RDTE,DW	Continued Expansion of Prototypes for the Destruction of Airborne Pathogens Project	800,000	Slaughter	

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,DW	Continuous Acquisition and Life-Cycle (CALS) and Integrated Data Environment and Defense Logistics Enterprise Services Program	3,200,000	Byrd	
RDTE,DW	Copper-Based Casting Technology Applications	2,800,000	Permitter	Salazar
RDTE,DW	Corrosion Engineering Education Initiative	800,000	Regula, Ryan (OH), Sutton	
RDTE,DW	Countering Missile-related Technology Proliferation	2,000,000	Goode	
RDTE,DW	Countermeasures to Chemical/Biological Control-Rapid Response	2,400,000	Young (FL)	Nelson (FL)
RDTE,DW	Covert Communications for SOF Operations	1,600,000	Gingrey	Chambliss, Isakson
RDTE,DW	Covert Sensing and Tagging System (CSTS)	1,200,000	Moran (VA)	
RDTE,DW	C-Scout Container Security System	2,400,000		Reid
RDTE,DW	CV-22 Helmet Mounted Display	2,000,000	Young (FL)	Bayh, Lugar
RDTE,DW	Defense Command Integration Center	880,000	Moore (KS), Boyda	Brownback
RDTE,DW	Defense Fuelcell Locomotive	2,000,000		Brownback
RDTE,DW	Defense Leadership and Technology Initiative	2,400,000	Bishop (GA); Cummings; Davis (IL); Jackson-Lee; Johnson, Eddie Bernice; Lee; Meek; Norton; Ruppersberger; Sestak; Watt	Schumer
RDTE,DW	Defense Support to Large Scale Disaster Preparedness	800,000		Landrieu, Vitter
RDTE,DW	Defense Through Early Containment	1,200,000	Towns	
RDTE,DW	Department of Defense Corrosion Program	12,000,000		Cochran, Wicker



RDT&E,DW	Directed Energy Systems for UAV Payloads	800,000	Triaht	
RDT&E,DW	Disaster Response: Communications and Other Infrastructure Restoration	4,000,000		Crapo
RDT&E,DW	Distributed Network Switching	2,000,000	Sanchez, Loretta	Boxer
RDT&E,DW	DNA Safeguard	1,200,000		Craig, Crapo
RDT&E,DW	Document Analysis and Exploitation	1,600,000	Dent	Casey, Specter
RDT&E,DW	Document and Media Search and Discovery (DMSD)	1,440,000		Cochran, Wicker
RDT&E,DW	Dual Use Technologies for Bio-Defense: Drug Design and Delivery of Novel Therapeutics	1,200,000	Diaz-Balart, Mario	
RDT&E,DW	EDIT Technology for Counter-Tunnel Operations and Cache Detection	800,000	Udall (NM)	Domenici
RDT&E,DW	Electric Grid Reliability/Assurance	1,200,000	Simpson	Craig, Crapo
RDT&E,DW	Electronics and Materials for Flexible Sensors and Transponders	3,200,000	Pomero	Conrad, Dorgan
RDT&E,DW	Emerging Critical Interconnection Tech	2,000,000	Elsworth	Bayh, Lugar
RDT&E,DW	Enhanced Simulation for IO Capabilities	5,120,000		Cochran, Wicker
RDT&E,DW	Environmentally Friendly Aircraft Decontamination Systems	1,600,000	LaTourrette	
RDT&E,DW	Environmentally Friendly Nanometal Electroplating Processes for Cadmium and Chromium Replacement	5,304,000	Obey	
RDT&E,DW	Environmentally Intelligent Moisture and Corrosion Control	2,000,000	Vislosky	Lautenberg, Menendez
RDT&E,DW	Expeditionary Persistent Power (USSOCOM)	1,600,000	Shuster	
RDT&E,DW	Explosively Formed Projectile Iron Curtain	800,000	Moran (VA)	
RDT&E,DW	Ex-Rad Radiation Protection Program	5,000,000		Lautenberg, Menendez
RDT&E,DW	Extended-Lifetime Radioisotope Batteries	1,600,000	Price (NC)	Burr
RDT&E,DW	Eye-Safe Long Range Stand-off System for Detection of Chemical and Biological Weapons	1,500,000	Cubin	Enzi

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,DW	Facial Recognition Technology Initiative	2,000,000	Klein	
RDTE,DW	Facility Security Using Tactical Surveys	2,400,000	Lewis (CA)	
RDTE,DW	Feature Size Migration at DMEA AMRS Boundary	2,000,000	Lungren, Matsui	
RDTE,DW	Ferroelectric Component Technology	1,200,000	Peterson (PA)	Casey, Specter
RDTE,DW	Field Experimentation Program for Special Operations	1,600,000	Farr	
RDTE,DW	First Link	2,000,000	Murtha	
RDTE,DW	Flashlight Soldier-to-Soldier Combat Identification System (FSCIS)	5,600,000	Granger, Rodriguez	Coryn
RDTE,DW	Florida Defense Manufacturing Supply Chain Initiative	2,000,000	Brown (FL)	
RDTE,DW	Foliage Penetrating Reconnaissance and Surveillance System	3,200,000		Akaka
RDTE,DW	Full Scale Impact and Blast Loading Laboratory Testing Program	1,600,000	Davis (CA)	Boxer
RDTE,DW	Generation II Special Operation Forces Internally Transported Vehicle (SOF-ITV)	1,600,000	Waters	
RDTE,DW	Gulf Range Mobile Instrumentation Capability	800,000	Miller (FL)	
RDTE,DW	Helicopter Cable Warning and Obstacle Avoidance	800,000	Harman	Isakson
RDTE,DW	High Assurance Cross Domain Solutions for High Performance Computing Center Net-Centric Operations	2,000,000		Sununu
RDTE,DW	High Assurance Cross Domain Technology Development	2,000,000	Bilirakis	Sununu
RDTE,DW	High Performance Computational Design of Novel Materials	2,480,000		Cochran

R0TE,DW	High Performance Tunable Materials	2,400,000	Conrad, Dorgan
R0TE,DW	High Speed, High Volume Laboratory Network for Infectious Diseases	5,000,000	Boxer, Domenici
R0TE,DW	High-Pressure Mobile Water Delivery System	800,000	Pelosi, Udall (NM)
R0TE,DW	Hostile Fire Indicating System	800,000	Walberg
R0TE,DW	Hybrid Power Generation System	1,200,000	Barton, Sestak
R0TE,DW	HyperAcute Vaccine Development	2,400,000	Simpson
R0TE,DW	IM Formulation Development of Anthrax Therapeutic	800,000	Latham
R0TE,DW	Improved Chemical, Biological, and Radiological Filters	1,600,000	Frelinghuysen
R0TE,DW	Improved Collapsible Urethane-Fuel Storage Tanks (ICU-FST)	1,600,000	Warner, Webb
R0TE,DW	Improved Commercial Integration (ICI)	800,000	Regula; Davis, David; Ryan (OH)
R0TE,DW	Improved Information Transfer for Special Forces	2,400,000	Allard
R0TE,DW	Improved LAS Glass-Ceramic Laminated Armored Window Systems	1,600,000	Young (FL)
R0TE,DW	In Transit Visibility System	800,000	Duncan
R0TE,DW	In Vitro Models for Biodefense Vaccines	1,000,000	Brady (PA)
R0TE,DW	Indiana Complex Operations Partnership	2,000,000	Brown (FL)
R0TE,DW	Indium Based Nitride Technology Development	3,000,000	Hill
R0TE,DW	Infections Disease Research (AMNH) for Defense Research Sciences	2,000,000	Clyburn
R0TE,DW	Inland Empire Perchlorate Wellhead Treatment	2,000,000	Lowey, Nadler
R0TE,DW	Institute for Collaborative Sciences Research	1,200,000	Baca
R0TE,DW	Institute for Information Security	2,500,000	Meek
R0TE,DW			Boxer
R0TE,DW			Inhofe

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,DW	Institute of Advanced Flexible Manufacturing Systems	7,000,000	Byrd	
RDTE,DW	Integrated Analysis Environment	1,200,000	Moran (VA)	
RDTE,DW	Integrated Bridge System	1,200,000	Mollohan	
RDTE,DW	Integrated Cryo-cooled High Power Density Systems	1,600,000	Boyd	Nelson (FL)
RDTE,DW	Integrated Signature Production and Exploitation	800,000	Johnson (IL)	
RDTE,DW	Integration of Force XXI Battle Command, Brigade & Below (FBCB2) with Tactical Handheld Digital Devices (THDD)	1,200,000		Shelby
RDTE,DW	Intelligence Analyst Education and Training	3,900,000		Cochran, Wicker
RDTE,DW	Intelligent Decision Exploration	3,600,000		Inouye
RDTE,DW	Intelligent Remote Sensing for Urban Warfare Operations	2,400,000	Sestak, Fattah	
RDTE,DW	Joint Ground Robotics Enterprise Modeling, Simulation, Analysis Project	800,000	Emerson	
RDTE,DW	Joint Gulf Range Complex Upgrade	1,200,000	Miller (FL)	
RDTE,DW	Joint Services Aircrew Mask Don/Doff In-flight Upgrade	1,600,000	Castle	Biden, Carper
RDTE,DW	Laboratory for High Performance Computational Systems	1,600,000	Cramer	
RDTE,DW	Large Scale Single-Use Bioreactor for Rapid Response to Bioterrorism	800,000	Rogers (MI)	
RDTE,DW	Liquid Crystal Sensor Technology Research and Development for Force Protection	2,400,000	Baldwin	Kohl
RDTE,DW	Lithium Ion Battery Safety Detection and Control of Impending Catastrophic Failures	1,600,000		Bayh, Lugar

RDT&E,DW	Long-range Tagging and Locating System	800,000	Hutchison
RDT&E,DW	Low Cost Stabilized Turret	1,600,000	Crenshaw
RDT&E,DW	Machine Augmented Composite Armor	800,000	Rodriguez
RDT&E,DW	Managing and Extending DoD Asset Lifecycles	2,500,000	Abercrombie
RDT&E,DW	Maritime UAS Demonstration for the SOUTHCOM Region	3,000,000	Cochran
RDT&E,DW	MDIOC Modeling and Simulation	10,000,000	Allard, Salazar
RDT&E,DW	MHPCC	5,000,000	Inouye
RDT&E,DW	Micro-Power Special Operations Generator	1,600,000	Capuano
RDT&E,DW	Military/Law Enforcement Counterterrorism Test Bed	2,400,000	Young (FL)
RDT&E,DW	MilTech Expansion Program	1,600,000	Baucus, Tester
RDT&E,DW	Miniature, Remote Wideband Survey, Collection, and Recording System	800,000	Cramer
RDT&E,DW	Miniaturized Chemical Detector for Chemical Warfare Protection (ChemPen)	1,600,000	McGovern, Oliver
RDT&E,DW	Mismatch Repair Derived Antibody Medicines to Treat Staphylococcus-derived Bioweapons	1,600,000	Gerlach, Sestak
RDT&E,DW	Mixed Oxidants for Chem Bio Decontamination	2,800,000	Boyd
RDT&E,DW	Mobile Continuous Air Monitor (MCAM)	1,600,000	Brown (FL)
RDT&E,DW	Mobile Sensor Enhancement to BMD Sensors Network	4,000,000	Langevin
RDT&E,DW	Modeling and Simulation Standards Development	640,000	Forbes
RDT&E,DW	Morehouse College, John Hopps Program	1,600,000	Bishop (GA), Lewis (GA)
RDT&E,DW	Multiple Applications for Light Activated, Reactive Materials for the Protection of the Warfighter, First Responder, and Public Health	1,600,000	Graves
RDT&E,DW	Multiple Target Tracking Optical Sensor Array Technology	5,000,000	Akaka
RDT&E,DW			Kennedy, Vitter
RDT&E,DW			Chambliss, Isakson

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,DW	Multi-Purpose Biodefense Immunoarray	800,000	DeLauro	Dodd, Mikulski
RDTE,DW	Multi-Spectral Laboratory (UML) and Analytical Services Center (ASCENT) Program	1,600,000	Lucas	Inhofe
RDTE,DW	Multivalent Marburg, Ebola Filovirus Vaccine Program	3,500,000	Brown (SC)	Graham
RDTE,DW	Nano Porous Hollow Fiber Regenerative Chemical Filter	1,000,000	Hayes	
RDTE,DW	National Biometrics Security Project	3,200,000		Byrd
RDTE,DW	National Consortium for MASINT Research	3,000,000		Bingaman, Cardin
RDTE,DW	National Nuclear Security Agency (NNSA ) Metals Declassification for Reuse by DoD in Ar-maments	2,720,000	Granger	
RDTE,DW	National Repository of Digital Forensic Intelligence (NRDFI) and the Center for Tele-communications and Network Security (CTANS)	1,200,000	Lucas	Inhofe
RDTE,DW	Naval Research Lab Supercomputing Information Prototype	2,800,000	Obey	
RDTE,DW	Networked Standoff Biological LIDAR	1,200,000	Moran (VA)	
RDTE,DW	New England Defense Manufacturing Supply Chain Initiative	800,000	Michaud, Allen, Hodes, McGovern	Collins, Dodd, Kennedy, Kerry, Leahy, Lieberman, Reed, Sanders, Snowe, Whitehouse
RDTE,DW	New Mexico State University Institute for Defense and Public Policy	10,000,000		Bingaman
RDTE,DW	Next Generation Intelligent Portable Radionuclide Detection and Identification Systems	1,600,000	English	Specter
RDTE,DW	Next Generation Respiratory Protection	2,400,000		Johnson, Thune
RDTE,DW	NIDS Improved Handheld Biological Agent Detector	1,600,000	Castle	Biden, Carper

RDTF,DW	Night Vision Sensor	1,000,000	Hirono	
RDTF,DW	Northwest Defense Manufacturing Initiative	1,600,000	Walden, Blumenauer, Defazio, Hooley, Wu	Murray, Smith, Wyden
RDTF,DW	Northwest Maritime Information and Littoral Operations Program	2,800,000	Dicks	
RDTF,DW	Novel System for Developing Therapeutics Against Botulism	4,000,000	Fortenberry	Hagel, Nelson (NE)
RDTF,DW	Novel Viral Bio warfare Agent Identification and Treatment (NOVBAIT)	4,000,000	Pelosi	
RDTF,DW	On-Site Alternative Fuel Manufacturing System	1,200,000	Carney	
RDTF,DW	Pacific Data Conversion and Technology Program	1,000,000		Akaka, Inouye
RDTF,DW	Pacific Region Interoperability Test and Evaluation Capability	3,000,000		Inouye
RDTF,DW	Partnership for Defense Innovation Wi-Fi Laboratory Testing and Assessment Center	2,000,000	Hayes	Burr
RDTF,DW	Pat Roberts Intel Scholars Program (PRISP)	2,000,000		Roberts
RDTF,DW	Photo Catalytic Oxidation (PCO) Demonstration for Water Reuse	2,400,000	Viscosky	
RDTF,DW	Photovoltaic Power Supply for Autonomous Sensors	2,400,000	Etheridge	
RDTF,DW	Picoceptor and Processor for Man-portable Threat Warning	3,500,000		Gregg
RDTF,DW	Plant Vaccine Development	1,600,000	Castle	Biden, Carper
RDTF,DW	Playas Training and Research Center Joint Training Experiment	4,800,000	Wilson (NM)	Bingaman, Domenici
RDTF,DW	Port and Hull Security 3D, Real Time Sonar System—Echoscope	1,600,000	Young (FL)	
RDTF,DW	Portable Rapid Bacterial Warfare Detection Unit	4,000,000	Boswell, Latham	Grassley, Harkin
RDTF,DW	Preventing Long-Term Brain and Lung Damage Caused by Battlefield Trauma Project	2,900,000	Slaughter, Higgins	Schumer
RDTF,DW	Protection from Oxidative Stress	1,600,000		Harkin
RDTF,DW	Protective Self-Decontaminating Surfaces	1,600,000	Grijalva, Aderholt	Shelby

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,DW	Radio Inter-Operability System (RIOS)	800,000	Moran (VA)	
RDTE,DW	Random Obfuscating Compiler Anti-Tamper Software	1,600,000	Michaud	Collins, Snowe
RDTE,DW	Range Element Network Enterprise Technology (RE-NET)	4,000,000	Kingston, Bishop (GA)	Chambliss, Isakson
RDTE,DW	Rapid Forensic Evaluation of Microbes in Biodefense	1,000,000	Murtha	
RDTE,DW	Rapid Response Institute	3,200,000	Pallone, Saxton, Smith (NJ)	Lautenberg, Menendez
RDTE,DW	Reactive Overlay and Removable CBRN Coatings	1,600,000	McDermott	Murray
RDTE,DW	Recombinant BChE Formulation Program	1,600,000	Sarbanes	Cardin
RDTE,DW	Reliability Testing of Lead-Free Circuits/Components	1,440,000	Visclosky	
RDTE,DW	Remote Sensor Network Services Platform	2,000,000		Conrad, Dorgan
RDTE,DW	Renewable Fuel Systems for Defense Applications	3,200,000	Andrews, Sires	Lautenberg, Menendez
RDTE,DW	Research of Chemical and Biological Warfare Agents	800,000	Rangel	
RDTE,DW	Research on a Molecular Approach to Hazardous Materials Decontamination	1,200,000		Craig, Crapo
RDTE,DW	Robotic Mobility Platform System	1,200,000	Boyd	Gregg
RDTE,DW	Roll-On, Roll-Off Reconnaissance, Surveillance, and Special Mission Palletized System	4,000,000	Murtha	
RDTE,DW	Scalable Topside Array Radar Demonstrator	800,000	Glichrest, Sarbanes	Cardin, Mikulski
RDTE,DW	SeaCatcher UAS Launch and Recovery System	1,600,000	Sarbanes	



R0TE,DW	SEAL Delivery Vehicle (SDV) Integrated Combat System (ICS)	3,200,000	Murtha	
R0TE,DW	Secure Media and ID Card Development	240,000		Reid
R0TE,DW	Secure, Miniaturized, Free Space, Optical Communications	2,000,000	Rothman	Lautenberg, Menendez
R0TE,DW	Security for Critical Communication Networks	3,600,000	Rothman, Sires	Lautenberg, Menendez
R0TE,DW	Semiconductor Photomask Technology Infrastructure Initiative	2,400,000	Tauscher	
R0TE,DW	Shock Trauma Research Center	2,000,000	Cleaver	
R0TE,DW	Signal Intelligence and Electronic Warfare Developments for Integration of SOF Systems	1,600,000	Brown (SC)	Graham
R0TE,DW	Simultaneous Field Radiation Technology (SFRT)	2,300,000	Pickering	Cochran, Wicker
R0TE,DW	Small Assault Vehicle Expeditionary (SAVE)	800,000		Landrieu
R0TE,DW	Smart Bomb Millimeter Wave Radar Guidance System	2,000,000		Cochran
R0TE,DW	Smart, Modular Regenerative Off-Grid Hydrogen Fuel Cell	1,000,000	Larson	Dodd
R0TE,DW	SOF Mission Training and Preparation Systems Interoperability	1,600,000	Young (FL)	
R0TE,DW	Software Assurance Education and Research Institute	800,000	Kipatrck, Conyers	
R0TE,DW	Space-Based Interceptor Study	5,000,000		Allard, Inhofe, Kyl, Sessions
R0TE,DW	Spartan Advanced Composite Technology	1,600,000		Conrad, Dorgan
R0TE,DW	Spintronics Memory Storage Technology	2,400,000	Lewis (CA)	
R0TE,DW	Strategic Materials and Silicon Carbide Optics	4,400,000		Inouye
R0TE,DW	Superlattice Nanotechnology	2,000,000	Hayes	Burr, Dole
R0TE,DW	Superstructural Particle Evaluation and Characterization with Targeted Reaction Analysis (SPECTRA)	1,200,000		Burr, Dole
R0TE,DW	Surface Enhanced Infrared Detection of Threats	1,200,000	Edwards (TX)	

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
R0TE,DW	Synthetic Fuel Innovation	4,000,000	Byrd	
R0TE,DW	Tactical Biometrics Operating and Surveillance System (TBOSS)	1,600,000	Capito	
R0TE,DW	Technology for Shallow Water Special Operations Forces Mobility	2,400,000	Boyd	Nelson (FL)
R0TE,DW	Technology Infusion Cell (TIC)	1,000,000	Hayes	
R0TE,DW	Terahertz High-Resolution Portable Explosives Detector	800,000	Schiff	
R0TE,DW	Total Perimeter Surveillance	1,000,000	Walberg	Stabenow
R0TE,DW	Tunable MicroRadio for Military Systems	4,800,000		Conrad, Dorgan
R0TE,DW	UAV Situational Awareness System	1,000,000	Drake	
R0TE,DW	UAV Systems Operations Validation Program (USOVP)	5,000,000	Pearce, Wilson (NM)	Bingaman, Domenici
R0TE,DW	Ultra Low Power Electronics for Special Purpose Computers	1,600,000		Craig, Crapo
R0TE,DW	Ultra Photonics Program	1,280,000	Barrett	
R0TE,DW	Ultra Portable Unmanned Surveillance Helicopter	1,000,000	Murtha	
R0TE,DW	Ultrahigh-Strength Steel for Landing Gear	2,000,000	Hobson	
R0TE,DW	Ultra-rapid Next Generation Pathogen Identification	2,000,000		Cochran
R0TE,DW	UML UAV/UAS Test Facility	2,400,000	Cole	
R0TE,DW	Unified Management Infrastructure System	1,200,000	Schakowsky	
R0TE,DW	University Strategic Partnership	3,200,000	Wilson (NM)	Bingaman, Domenici

RDTE,DW	Unmanned Aerial Vehicle Avionics Upgrade (UAVAU)	1,200,000	Specter
RDTE,DW	Unmanned Aerial Vehicles	1,200,000	Stevens
RDTE,DW	Vaccine Development Program	800,000	Pascrell
RDTE,DW	Vacuum Sampling Pathogen Collection and Concentration	3,200,000	Simpson
RDTE,DW	Validation of an Enhanced Urban Air Blast Tool	2,400,000	Nadler
RDTE,DW	Vehicle Fuel Cell and Hydrogen Logistics Program	8,000,000	Levin
RDTE,DW	Vet-Biz Initiative for National Sustainment (VINS)	2,000,000	Mikulski
RDTE,DW	ViriChip Rapid Virus Detection Systems	1,600,000	Harkin
RDTE,DW	Weapons Shot Counter	1,400,000	McConnell
RDTE,DW	Wiring Integrity Technology	1,600,000	Bishop (GA), Marshall
RDTE,DW	X-Band/W-Band Solid State Power Amplifier	1,600,000	Young (FL)
RDTE,DW	Zunwalt National Program for Countermeasures to Biological and Chemical Threats	1,200,000	Neugebauer
RDTE,N	76mm Swarbuster Capability	1,600,000	Crenshaw
RDTE,N	Accelerated Improvement for Active Surface Electronic Warfare Systems	1,600,000	Moran (VA)
RDTE,N	Accelerating Fuel Cells Manufacturability and their Application in the Armed Forces	2,400,000	Slaughter
RDTE,N	ACINT (MASINT) Tape Digitization Program	2,000,000	Inhofe
RDTE,N	Acoustic Research Detachment Large Scale Vehicles Operations Enhancement	480,000	Sali
RDTE,N	Acoustic Research Detachment Test Support Platform Upgrade	1,500,000	Sali
RDTE,N	Adaptive Diagnostic Electronic Portable Testset (ADEPT)	800,000	Schwartz
RDTE,N	Adelos National Security Sensor System	2,000,000	Baucus, Tester

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,N	Advanced Airship Flying Laboratory, AAFL Phase 2	1,600,000		Smith, Wyden
RDTE,N	Advanced Composite Maritime Manufacturing	2,000,000	Castle	Biden, Carper
RDTE,N	Advanced Continuous Active Sonar for UAVs	2,500,000		Craig, Crapo
RDTE,N	Advanced Fluid Controls for Shipboard Applications Phase III	2,500,000	Garrett	Lautenberg, Menendez
RDTE,N	Advanced High Energy Density Surveillance Power Module	2,400,000	Baldwin	Kohl
RDTE,N	Advanced Linear Accelerator (LINAC) Facility	3,200,000	Hill	Bayh, Lugar
RDTE,N	Advanced Logistics Fuel Reformer for Fuel Cells	2,400,000	DeLauro	Dodd
RDTE,N	Advanced Molecular Medicine Initiative	2,000,000	Solis, Dreier	
RDTE,N	Advanced Naval Logistics	1,600,000		Casey, Specter
RDTE,N	Advanced Repair Technology for the Expeditionary Navy	800,000	Capps	
RDTE,N	Advanced Ship Self Defense Technology Testing	4,000,000	Bishop (UT)	Bennett, Hatch
RDTE,N	Advanced Simulation Tools for Aircraft Structures Made of Composite Materials	1,200,000	Clay	Bond
RDTE,N	Advanced Steam Turbine	1,600,000	Kuhl	Schumer
RDTE,N	Advanced Tactical Control System (ATCS)	1,600,000	Frank, Oliver	Kennedy, Kerry, Reed
RDTE,N	AEGIS Combat Information Center Modernization	4,000,000	Murtha	
RDTE,N	Affordable Weapons System	11,200,000	Hunter, Gallegly	
RDTE,N	Agile Laser Eye Protection	800,000	Walsh	Schumer

RDTE,N	Agile Port and High Speed Ship Technology	6,000,000	Sánchez, Linda	
RDTE,N	Aging Military Aircraft Fleet Support	1,600,000	Tiahi	Brownback, Roberts
RDTE,N	Air Combat Environment Test and Evaluation Facility Upgrade	3,000,000	Hoyer	Cardin, Mikulski
RDTE,N	Air Sentinel	1,000,000		Inouye
RDTE,N	Airborne Mine Countermeasures Open Architecture Technology Insertion	2,000,000	Davis (VA)	
RDTE,N	Aircraft Composite Rocket Launcher Improvement	2,500,000	McCarthy (NY)	
RDTE,N	All Weather Sense and Avoid Sensors for UAVs	2,500,000	Hoyer	Cardin, Mikulski
RDTE,N	Amelioration of Hearing Loss	1,000,000		Baucus, Tester
RDTE,N	Analytics for Shipboard Monitoring Systems	1,600,000	Drake	
RDTE,N	Air Fault Circuit Breaker with Air Location System	1,000,000	Matheson	Bennett, Hatch
RDTE,N	Assault Directed Infrared Countermeasures	2,000,000	Rothman	
RDTE,N	Assistive Technologies for Injured Servicemembers	1,600,000		Martinez
RDTE,N	ASW Training Interoperability Enterprise Demonstration Test Bed	1,600,000	Dicks	
RDTE,N	Automated Fiber Optic Manufacturing Initiative	2,800,000	Drake, Scott (VA)	Warner, Webb
RDTE,N	Automated Readiness Measurement System (ARMS)	2,800,000	Davis (VA), Courtney, Drake	Warner, Webb
RDTE,N	Autonomous Acoustic Array Advanced Tubular Solid Oxide Fuel Cell	2,000,000	Oliver	Kennedy
RDTE,N	Autonomous Anti-Submarine Vertical Beam Array	1,600,000	Miller (NC), Coble	Burr
RDTE,N	Autonomous Marine Sensors and Networks for Rapid Littoral Assessment	1,600,000	Young (FL)	
RDTE,N	Autonomous Power Management for Distributed Operation	400,000		Conrad, Dorgan
RDTE,N	Autonomous Unmanned Surface Vessel	1,200,000		Akaka

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,N	Autonomous Unmanned Undersea Vehicle (UUV) Delivery and Communication (AUDAC) Implementation	2,800,000	Dicks, Inslee	Murray
RDTE,N	Base Level Inventory Tracking System Enhancements	2,800,000		Vitter
RDTE,N	Bio/Nano-MEMS for Defense Applications	1,500,000		McConnell
RDTE,N	Biochemical Agent Detection	800,000	Edwards (TX)	
RDTE,N	Biosensors for Defense Applications	2,000,000		Landrieu
RDTE,N	Boat Trap System for Port Security/Water Craft Interdiction	2,400,000	Markey, Welch	Leahy
RDTE,N	Bow Lifting Body Ship Research	6,240,000	Kagen, Stupak	Inouye
RDTE,N	C-Band Radar Replacement Development	4,000,000	Young (FL)	
RDTE,N	Center for Applied Research in Intelligent Autonomous Systems	2,400,000	Sestak, Fattah	Casey, Specter
RDTE,N	Center for Commercialization of Advanced Technology	2,500,000	Lewis (CA), Davis (CA)	
RDTE,N	Center for Quantum Studies	1,200,000		Warner, Webb
RDTE,N	Chaffing Protection System	1,200,000	Pomeroy	Conrad, Dorgan
RDTE,N	Collective Aperture Multi-Band Sensor System	3,500,000		Gregg, Sununu
RDTE,N	Combustion Light Gas Gun Projectile	4,000,000		Byrd
RDTE,N	Common Architecture Imaging System (CAIS) Program	800,000	Sherman	
RDTE,N	Common Below Decks Affordable Architecture	3,200,000	Young (FL)	

RDTE,N	Common Expeditionary Force Protection System Architecture	4,000,000	Kennedy	Reed
RDTE,N	Compact Ultra-fast Laser System Development	1,600,000	Elsworth	Bayh, Lugar
RDTE,N	Composite Materials Enhancements through Polymer Science Research and Development	2,240,000		Cochran
RDTE,N	Composite Tissue Transplantation for Combat Wounded Repair	2,000,000		Chambliss
RDTE,N	Computational Modeling and High Performance Computing in Advanced Material Processing, Synthesis and Design	1,200,000	Watt	
RDTE,N	Condition-based Maintenance Enabling Technologies Program	2,400,000		Byrd
RDTE,N	Cooperative Engagement Capability	4,800,000	Young (FL)	
RDTE,N	Countermeasures Lidar UAV-based System	1,200,000	Taylor	Cochran
RDTE,N	Covert Robust Location Aware Wireless Network	1,600,000	Sanchez, Loretta	
RDTE,N	Cross-Domain Network Access System	800,000	Johnson (IL)	Durbin
RDTE,N	Data Acquisition Reporting and Trending System (DARTS)	2,400,000	Brady (PA)	
RDTE,N	DDG 51 Permanent Magnet Hybrid Electric Propulsion System	7,600,000	Bartlett, Murphy (CT), Oliver, Tsongas	Dodd, Kennedy, Kohl, Lieberman
RDTE,N	DDG-51 Hybrid Drive System	6,600,000		Cochran, Wicker
RDTE,N	Defense Modernization and Sustainment Initiative	5,000,000	Kuhl	
RDTE,N	Deployable Command and Control Vehicle	1,200,000	Boyd	
RDTE,N	DEPUTEE—High Powered Microwave Non-Lethal Vehicle/Vessel Engine Disabling	1,600,000		Baucus, Bingaman
RDTE,N	Desktop Virtual Trainer Follow-On	2,400,000	Murtha	
RDTE,N	Detection and Neutralization of Electronically Initiated Improvised Explosive Devices	2,000,000	Emerson	
RDTE,N	Detection, Tracking, and Identification for ISRTE of Mobile and Asymmetric Targets	1,600,000		Akaka
RDTE,N	Digital Directed Manufacturing Project	1,700,000	Yarmuth	McConnell

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,N	Digital Modular Radio (DMR)	2,000,000	Pastor	
RDTE,N	Digitization, Integration, and Analyst Access of Investigative Files, NCIS	1,600,000		Byrd
RDTE,N	Directed Energy Initiative	1,760,000		Warner, Webb
RDTE,N	Disposable Biocidal Medical Masks for NAMRU Evaluation	800,000		Leahy
RDTE,N	Distributed Maritime Surveillance System	1,600,000		Hutchison
RDTE,N	Distributed Targeting Processor	2,400,000	Weldon	
RDTE,N	Domain Specific Knowledge Capture Interface	1,360,000	Carney	
RDTE,N	Durability, Energy Saving and Sustainability of Oceanic Vehicles and Support Infrastructure Through Use of Nanotech Lubricants	800,000		Lincoln, Pryor
RDTE,N	E-Beam Free Form Repair Qualification	1,200,000	Lipinski, Inslee	
RDTE,N	Electrochemical Field Deployable System for Water Generation	2,800,000	Berkley	Ensign, Reid
RDTE,N	Electromagnetic Signature Assessment System using Multiple AUVs	1,600,000		Craig, Crapo
RDTE,N	Electronic Motion Actuation Systems	800,000	Latta, Higgins, Shuler, Sutton	Bennett, Dole, Hatch, Voinovich
RDTE,N	Energetics S&T Workforce Development	4,500,000	Hoyer	Cardin, Mikulski
RDTE,N	Energy Efficient Gallium Nitride Semiconductor Technology	1,040,000	Visclosky, Capps	
RDTE,N	Enhanced Special Weapons/Nuclear Weapons Security program	1,600,000	Hooley, Wu	Smith, Wyden
RDTE,N	Environmentally Sealed, Ruggedized Avionics Displays	4,000,000	Butterfield, Hayes, McIntyre	Burr, Dole



RDTE,N	EP-3E Requirements Capability Migration Technology Integration Lab	4,800,000	Edwards (TX)	
RDTE,N	Evaluating ELF Signals in Maritime Environments	1,600,000	Sali	Craig, Crapo
RDTE,N	Expeditionary Swimmer Defense System	2,400,000		Murray
RDTE,N	Extended Underwater Optical Imaging	2,000,000	Mahoney, Hastings (FL)	Martinez, Nelson (FL)
RDTE,N	Extensible Launching System	3,000,000	Cummings, Ruppertsberger	Cardin, Mikulski
RDTE,N	Extreme Torque Density (XTM) Propulsion Motor	800,000	Altmire	Casey, Specter
RDTE,N	F/A-18 Avionics Ground Support System	2,400,000	Peterson (PA)	Casey, Specter
RDTE,N	Fiber Optic Conformal Acoustic Velocity Sensor (FOCAVES)	2,000,000	Cannon, Bishop (UT)	Bennett, Hatch
RDTE,N	Field Support of Fiber Optic Cable	1,600,000	Schwartz	
RDTE,N	Floating Area Network Littoral Sensor Grid	4,800,000	Dicks	
RDTE,N	Friction Stir Welding	800,000		Bennett
RDTE,N	Fusion, Exploitation, Algorithm, Targeting High-Altitude Reconnaissance	6,000,000		Bennett
RDTE,N	Future Fuel Non-Tactical Vehicle Initiative	1,600,000	Kuhl	Levin, Stabenow, Schumer
RDTE,N	Galfenol Energy Harvesting	1,600,000	Latham	Grassley, Harkin
RDTE,N	Gallium Nitride RF Power Technology	1,600,000	Coble, Watt	Burr, Dole
RDTE,N	Guillotine	1,600,000		Warner, Webb
RDTE,N	Hampton University Cancer Treatment Initiative	8,000,000	Scott (VA), Moran (VA)	
RDTE,N	Harbor Shield—Homeland Defense Port Security Initiative	3,500,000		Reed, Voinovich, Whitehouse
RDTE,N	HealthForces	2,800,000		Byrd
RDTE,N	High Awareness Littoral Observing (HALO) Sensor—360 Degree Imaging for Submarines	1,200,000	Neal, Oliver	Kerry, Leahy

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,N	High Energy Conventional Energetics (Phase II)	3,200,000	Hoyer	Bingaman, Cardin, Domenici, Mikulski
RDTE,N	High Power Density Motor Drive	1,000,000	Murphy, Tim	
RDTE,N	High Power Density Propulsion and Power for USSVs	1,600,000	Allen	Collins, Snowe
RDTE,N	High Power Free Electron Laser Development for Naval Applications	2,400,000	Wittman	Warner, Webb
RDTE,N	High Speed ACRC & Composites Sea Lion Craft Development	2,000,000		Cochran, Wicker
RDTE,N	High Speed Anti-radiation Demonstration (HSAD)	800,000	Davis (VA), McKeon	
RDTE,N	High Speed Blood and Fluid Transfusion Equipment	3,100,000		Reid
RDTE,N	High Strength Welded Structures	800,000	Moran (VA)	
RDTE,N	High Temperature Superconductor Trap Field Magnet Motor	2,000,000	Carter	
RDTE,N	Highly Corrosive-Resistant Alloy Joining for Nuclear Applications	800,000	Simpson	Craig, Crapo
RDTE,N	Highly Integrated Optical Interconnect for Military Avionics	1,600,000	Stupak	Levin, Stabenow
RDTE,N	Holographic Optical Filter for Light Detection and Ranging (LDAR)	2,000,000	Schwartz; Murphy, Patrick; Sestak	Casey, Specter
RDTE,N	HTDV	10,000,000		Inouye
RDTE,N	Human Neural Cell-Based Biosensor	1,000,000		Isakson
RDTE,N	Hydrogen Fuel Cell Development	1,200,000	Butterfield	Dole
RDTE,N	Hydrokinetic Power Generator	1,600,000	Dingell	Levin, Stabenow
RDTE,N	Immersive Naval Officer Training Systems	3,000,000		Reed, Whitehouse

RDTE,N	Implementation of Formable Textile for Composite Shaped Aerospace Composite Structures	1,600,000	Michaud, Allen	Collins, Snowe
RDTE,N	Improved Corrosion Protection for Electromagnetic Aircraft Launch System (EMALS) for CVN-21 Class Carriers	2,000,000	LoBiondo, Sestak, Smith (NJ)	
RDTE,N	Improved Interoperability Research and Development to support NAVAIR and GWOT	2,000,000	Hoyer	Murray
RDTE,N	Improved Stealth and Lower Cost Operations for Ships Using High Strength Flame Resistant LCP Reinforced Netting	1,600,000		
RDTE,N	In Buoy Processor for Trigger and Alert Sonobuoy System (TASS)	2,000,000	Abercrombie	
RDTE,N	Infrared LED Free Space Optics Communications Advancement	400,000	Hunter	
RDTE,N	Infrared Materials Laboratories	2,500,000	Cole	Inhofe
RDTE,N	Integrated Advanced Ship Control (IASC)	1,200,000	Tierney	
RDTE,N	Integrated Manufacturing Enterprise	2,400,000	McCreary	Landrieu, Vitter
RDTE,N	Integrated Naval Electronic Warfare	1,000,000	Drake	
RDTE,N	Integrated Power System Converter	2,000,000	Murphy, Tim	Casey, Specter
RDTE,N	Integrated Product Support Data Management System	1,000,000	Rogers (KY)	
RDTE,N	Integrated Ship and Motion Control Technology	3,440,000	Courtney, Gillibrand	Dodd, Lieberman, Schumer
RDTE,N	Integrated Warrfighter Biodefense Program	3,000,000	Castle	Biden, Carper
RDTE,N	Integration of Electro-Kinetic Weapons into Next Generation of Navy Ships	4,500,000	Boyd	Martinez, Nelson (FL)
RDTE,N	Integration of Logistics Information for Knowledge Projection and Readiness Assessment	1,600,000		Byrd
RDTE,N	Intelligent Retrieval of Imagery	2,400,000	Moran (VA)	
RDTE,N	Intelligent Work Management for Class Squadrons (CLASSRONS)	2,000,000	Brown (FL)	
RDTE,N	Joint Explosive Ordnance Disposal Diver Situational Awareness System	1,200,000	Moran (VA)	

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,N	Joint Integrated Systems Technology for Advanced Digital Networking (JIST-NET)	800,000	Hunter	
RDTE,N	JSF F-35B Lift Fan Component Manufacturing	1,600,000	Smith (TX), Rodriguez	
RDTE,N	Kinetic Hydropower System (KHPS) Turbine	2,400,000	Inslee, Engel, Maloney, Towns	Murray, Schumer
RDTE,N	Landing Craft Composite Lift Fan	1,000,000	Dent, Garrett	Lautenberg, Menendez
RDTE,N	Large-Scale Demonstration Item for Virginia Class Submarine Bow Dome	1,800,000	Taylor	Cochran
RDTE,N	Laser Perimeter Awareness System	1,500,000		Coleman
RDTE,N	Layered Surveillance/Sensing	1,600,000	Young (FL)	
RDTE,N	LCS Common Mission Package Training Environment	4,500,000	Murtha	
RDTE,N	Lightweight Composite Structure Development for Aerospace Vehicles	800,000	Sullivan	Inhofe
RDTE,N	Lithium Batteries	1,600,000	Bishop (GA)	Chambliss, Isakson
RDTE,N	Lithium/Sulfur Chemistry Validation for Sonobuoy Application	1,600,000	Boyd	Brownback, Roberts
RDTE,N	Lithium-Ion Cell Development with Electro Nano Materials	4,000,000		Bond
RDTE,N	Littoral Battlespace Sensing-Autonomous UUV	800,000	Alexander	Landrieu
RDTE,N	Long Range Synthetic Aperture Sonar for ASW	800,000	Moran (VA)	Warner, Webb
RDTE,N	Long Wavelength Array	2,800,000	Wilson (NM)	Bingaman, Domenici
RDTE,N	Low Acoustic and Thermal Signature Battlefield Power Source	2,000,000		Baucus, Tester
RDTE,N	Low Cost Laser Module Assembly for Acoustic Sensors	1,600,000	Sestak	Specter

RDTE,N	Low Cost Multi-Channel Camera System	2,400,000	Bonner	
RDTE,N	Low Cost, Expendable, Fiber Optic Sensor Array	5,000,000	Murtha	Specter
RDTE,N	Low-Cost Image-Based Navigation and Precision Targeting	800,000	Markey	Kerry
RDTE,N	Low-Signature Modular Weapon Platform	3,200,000	Blumenauer, Baird, DeFazio, Hooley, Wu	Murray, Smith, Wyden
RDTE,N	M65 Bismaleimide Carbon Fiber Prepreg	1,600,000	Aderholt, Bishop (UT), Tauscher	Bennett, Dodd, Hatch
RDTE,N	Magnetic Refrigeration Technology	2,400,000	Baldwin	Kohl
RDTE,N	MARCOM Computer Research	1,000,000		Hutchison
RDTE,N	Marine Mammal Awareness, Alert and Response Systems (MMAARS)	2,400,000	Abercrombie	
RDTE,N	Marine Mammal Hearing and Echolocation Research	1,600,000	Abercrombie	
RDTE,N	Maritime Security—Surface and Sub-surface Surveillance System and Expeditionary Test-Bed	3,600,000	Boyd	
RDTE,N	Micro-munitions Interface for Tactical Unmanned Systems (MITUS)	1,600,000	Ehlers, McCarthy (CA)	Stabenow
RDTE,N	Millimeter Wave Imaging	1,600,000	Castle	Biden, Carper
RDTE,N	Mk 48 Torpedo Post-Launch Communication System	800,000	Arcuri	Schumer
RDTE,N	Mk V.1 MAKO for Improved Signature and Weight Performance	2,000,000	Allen	Collins, Snowe
RDTE,N	Mobile Acoustic Decoys for Surface Ship Defense	960,000	Price (NC)	Dole
RDTE,N	Mobile Manufacturing and Repair Cell/Engineering Education Outreach Program	2,400,000	Conyers, Dingell, Kilpatrick, Knollenberg, Levin	Levin
RDTE,N	Mobile Oxygen, Ventilation and External Suction (MOVES)	1,200,000	Johnson, Sam	Cornyn
RDTE,N	Mobile Valve and Flex Hose Maintenance (MVFM)	1,000,000	Allen	Collins, Snowe
RDTE,N	Modular Advanced Vision System	2,000,000		Casey, Specter

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,N	Molten Carbonate Fuel Cell Demonstrator	3,500,000		Dodd, Lieberman
RDTE,N	Multi-Function Laser System	1,200,000	English	Casey, Specter
RDTE,N	Nanotechnology Engineering and Manufacturing Operations	1,600,000	Hirono	
RDTE,N	National Initiatives for Applications of Multifunctional Materials	1,600,000		Hutchison
RDTE,N	National Radio Frequency Research and Development and Technology Transfer Center	4,000,000	Buyer, Ellsworth	Bayh, Lugar
RDTE,N	National Security Training	1,600,000	Serrano	
RDTE,N	National Sensor Fusion Support for Puget Sound Port Security	1,600,000	Dicks	
RDTE,N	National Terrorism Preparedness Institute Anti-Terrorism/Counter-Terrorism Technology Development and Training	3,000,000	Young (FL)	
RDTE,N	NAVAIR Distance Support Environment	800,000	Pascrell	
RDTE,N	Naval Ship Hydrodynamic Test Facilities	4,000,000	Van Hollen	Cardin, Mikulski
RDTE,N	Naval Special Warfare 11m RIB Replacement Craft Design	800,000	Michaud, Allen	Collins, Snowe
RDTE,N	Navy Multi-Fuel Combustor for Shipboard Fuel Cell Systems	1,600,000	Lampson	
RDTE,N	Navy Science and Technology Outreach (N-STAR)—Maryland	1,000,000		Cardin
RDTE,N	Network Expansion and Integration of Navy/NASA RDT&E Ranges and Facilities	4,800,000		Cardin, Mikulski
RDTE,N	Next Generation Automated Technology for Landmine Detection	1,600,000		Hagel, Nelson (NE)
RDTE,N	Next Generation Electronic Warfare Simulator	1,200,000	McCarthy (CA)	

RDTE,N	Next Generation Phalanx with Laser Demo	10,700,000	Crowley, Walsh, Bishop (UT), Obey	Burning, Hatch, Kohl, McConnell, Schumer
RDTE,N	Next Generation Scalable Lean Manufacturing Initiative	2,400,000	Young (FL)	
RDTE,N	Novel Coating Technologies for Military Equipment	4,800,000	Fortenberry	Hagei, Nelson (NE)
RDTE,N	NULKA Decoy and Mk 53 Decoy Launch System	1,600,000		Kennedy
RDTE,N	ONAMI Nanoelectronics and Nanometrology Initiative	4,000,000	Wu, Blumenauer, DeFazio, Hooley, Walden	Smith, Wyden
RDTE,N	On-Board Vehicle Power Systems Development	2,400,000		Shelby
RDTE,N	On-Demand Custom Body Implants/Prosthesis for Injured Personnel	1,600,000	Dingell	Levin, Stabenow
RDTE,N	Open Architecture/Maintenance Free Operating Period (MFOP)	2,800,000	Moran (VA)	
RDTE,N	Optimization of New Marine Coatings	1,600,000		Conrad, Dorgan
RDTE,N	Out of Autoclave Composite Processing	1,600,000	Clay, Akin	
RDTE,N	Over-the-Horizon Vessel Tracking	800,000	Wittman, Scott (VA)	
RDTE,N	Pacific Airborne Surveillance and Testing	15,000,000		Inouye
RDTE,N	Paragon System Upgrades	1,600,000	Moran (VA)	
RDTE,N	Penn State Cancer Institute	2,800,000	Holden	
RDTE,N	Permanent Magnet Linear Generator Power Buoy System	2,000,000	Hooley	Smith, Wyden
RDTE,N	Persistent Surveillance Wave PowerBuoy System	3,000,000		Lautenberg, Menendez
RDTE,N	Planar Solid Oxide Fuel Cell System Demonstration at UTC SimCenter	3,500,000	Wamp	
RDTE,N	PMRF Force Protection Lab	2,000,000		Inouye
RDTE,N	Point Mugu Electronic Warfare Laboratory Upgrade	1,600,000	Gallegly	
RDTE,N	Portable Launch and Recovery System for Unmanned Aerial Vehicle Operation	3,200,000	Hastings (WA)	Cantwell, Murray, Smith, Wyden

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,N	Power Dense Integrated Power System for CG(X)	3,000,000	Bartlett	Mikulski
RDTE,N	Precision Terrain Aided Navigation (PTAN)	1,600,000	Young (FL)	
RDTE,N	Predicting Bio-Agent Threat Profiles Using Automated Behavior Analysis	1,600,000	Herseht Sandlin	Johnson
RDTE,N	Puget Sound Anoxia Research for the Department of the Navy	1,200,000	Dicks	
RDTE,N	Pulse Virtual Clinical Learning Lab	2,400,000	Ortiz	
RDTE,N	Quiet Drive Advanced Rotary Actuator	2,000,000	Richardson, Harman, Higgins	Schumer, Warner, Webb
RDTE,N	Radiation Hardness and Survivability of Electronic Systems	800,000		Bayh, Lugar
RDTE,N	Real-Time Hyperspectral Targeting Sensor	2,400,000	Hunter	Gregg, Sununu
RDTE,N	Reduction of Weapon System Downtime Rapid Repair Structural Adhesives	2,400,000	Langewin	Reed, Whitehouse
RDTE,N	Regenerative Fuel Cell Back-up Power	1,200,000	Larson	Dodd
RDTE,N	Remote Continuous Energetic Material Manufacturing for Pyrotechnic IR Decoys	1,600,000	McCreary	Vitter
RDTE,N	Repair of Massive Tissue Loss and Amputation through Composite Tissue Allotransplantation	3,200,000	Cummings	Cardin
RDTE,N	Reparative Core Medicine	800,000	Young (FL)	
RDTE,N	Research Support for Nanoscale Research Facility	2,800,000	Stearns	Martinez
RDTE,N	RFID TECH Program	800,000		McConnell
RDTE,N	Rotor Blade Protection Against Sand and Water Erosion	800,000	Edwards (TX)	



RDTE,N	Sacrificial Film Laminates for Navy Helicopter Windscreens	960,000	Spratt	Graham
RDTE,N	Scalable Open Architecture Upgradeable Reliable Computing Environment	3,000,000		Murray
RDTE,N	Sea Base Mobility and Interfaces	5,000,000		Stevens
RDTE,N	Self Healing Target System for Laser and Sniper Ranges	1,600,000	Porter	Reid
RDTE,N	Semi-Submersible UUV	1,600,000		Vitter
RDTE,N	Sensor Integration Framework	1,200,000	Boyd	
RDTE,N	Sensorless Control of Linear Motors in EMALS	2,800,000		Reed
RDTE,N	Ship Affordability Through Advanced Aluminum	2,000,000	Carter, Braley	Grassley, Harkin
RDTE,N	Shipboard Electronic Warfare Sustainment Training	3,200,000	Mollohan	
RDTE,N	Shipboard Production of Synthetic Aviation Fuel	1,000,000		Bennett, Hatch
RDTE,N	Single Generator Operations Lithium Ion Battery	4,000,000		Lugar, Reid
RDTE,N	SKYBUS 80K and 130K LTA-UAS Multitrole Technologies	2,000,000		Collins
RDTE,N	Smart Instrument Development for the Magdalena Ridge Observatory (MRO)	7,000,000	Pearce, Wilson (NM)	Bingaman, Domenici
RDTE,N	Smart Machinery Spaces System	2,400,000	Granger	
RDTE,N	Smart Valve	800,000	Allen	Collins, Snowe
RDTE,N	SOF Test Environment for Advanced Team Collaboration Missions	2,000,000	Hoyer	Cardin, Mikulski
RDTE,N	Solid Oxide Fuel Cell	800,000		Corker
RDTE,N	Solid-State DC Protection System	1,200,000	Moore (WI), Bartlett, Murphy (CT)	Dodd, Lieberman
RDTE,N	Sonobouy Wave-Energy Module	3,000,000		Landrieu, Vitter
RDTE,N	Stabilized Laser Designation Capability	2,000,000	Thompson (CA)	

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,N	Standoff Explosive Detection System (SEDS)	1,200,000	Knollenberg	Stabenow
RDTE,N	Strategic/Tactical Resource Interoperability Kinetic Environment Program	1,120,000		Cochran
RDTE,N	Strike Weapon Propulsion (SWEAP)	2,400,000	Barton, Doolittle	
RDTE,N	Submarine Automated Test and Re-Test (ATR-T)	2,000,000	Moran (VA)	
RDTE,N	Submarine Environment for Evaluation and Development	2,400,000		Reed
RDTE,N	Submarine Fatline Vector Sensor Towed Array	800,000	Gichrest, Bartlett, Courtney	Dodd, Lieberman
RDTE,N	Submarine Littoral Defense System	1,600,000	Langewin, Courtney, Kennedy	Reed
RDTE,N	Submarine Maintenance Automation and Communication System (SMACS)	1,600,000	Moran (VA)	
RDTE,N	Submarine Panoramic Awareness System Program	1,600,000		Durbin
RDTE,N	Supply Chain Logistics Capability at the ABL NIROP	8,000,000		Byrd
RDTE,N	Supportability Training Services Infrastructure	1,600,000	Rehberg	
RDTE,N	Sure Trak Re-Architecture and Sensor Augmentation	2,000,000	Hoyer, Cummings, Ruppersberger, Sarbanes	Cardin
RDTE,N	Sustainability of ANSPS-49 Common Signal Data Processor	2,800,000	Obey	
RDTE,N	Swimmer Detection Sonar Network for the Portsmouth Naval Shipyard	3,200,000	Hodes, Shea-Porter	Collins, Snowe, Sununu
RDTE,N	System for Intelligent Task Assignment and Readiness (SITAR)	800,000	Hunter	
RDTE,N	Tactical E-Field Buoy Development	1,600,000	Hunter	

RDTE,N	Testing of Critical Components for Ocean Alternate Energy Options for the Department of the Navy	2,000,000	Abercrombie
RDTE,N	Texas Microfactory	3,000,000	Hutchison
RDTE,N	Theater Undersea Warfare Initiative	2,400,000	Inouye
RDTE,N	Thin Film Materials for Advanced Applications, Advanced IED and Anti-Personnel Sensors	3,000,000	Leahy
RDTE,N	Tomahawk Cost Reduction Initiatives	1,600,000	Bishop (UT)
RDTE,N	Topical Hemostat Effectiveness Study	800,000	Coleman, Kloubuchar
RDTE,N	Torpedo Composite Homing Array	1,600,000	Kerry
RDTE,N	Total Ship Training System	1,040,000	Moran (VA)
RDTE,N	TSG Technology Accreditation	2,400,000	Bond
RDTE,N	U.S. Navy Metrology and Calibration (METCAL)	2,800,000	Calvert
RDTE,N	UAS Optimization Technologies	2,000,000	Byrd
RDTE,N	Ultra-Wide Coverage Visible Near Infrared Sensor for Force Protection	1,200,000	Bean
RDTE,N	Underground Coordination of Managed Mesh-networks (UCOMM)	2,400,000	Moran
RDTE,N	Undersea Launched Missile Study	3,200,000	Dodd, Lieberman, Reed
RDTE,N	Undersea Weapons Enterprise Common Automated Test Equipment	3,200,000	Dicks
RDTE,N	Unique Identification of Tangible Items	3,000,000	Wicker
RDTE,N	Universal Description, Discovery and Integration	4,300,000	Conrad, Dorgan
RDTE,N	Unmanned Aerial Vehicle Fuel Cell Power Source with Hybrid Reforming	1,600,000	Higgins
RDTE,N	Unmanned Air Systems Tactical Control System	2,500,000	Hoyer, Porter
RDTE,N	Unmanned Force Augmentation System	2,400,000	Sessions, Burgess

## DEFENSE—Continued

Account	Project	Amount	Requester(s)	
			House	Senate
RDTE,N	Unmanned Ground Vehicle Mobility and Coordination in Joint Urban/Littoral Environments	1,200,000	Carney	
RDTE,N	Unmanned Undersea Vehicles Near Term Interim Capability	4,000,000	Kennedy	
RDTE,N	US Navy Cancer Vaccine Program	2,400,000	Hunter, Jones (NC)	Landrieu, Vitter
RDTE,N	US Navy Pandemic Influenza Vaccine Program	1,600,000	McHugh	
RDTE,N	USMC Electronic Warfare (EW) Training	2,400,000	Mica	
RDTE,N	Validation of Lift Fan Engine Systems	2,000,000	Doolittle	
RDTE,N	Vet-Biz Initiative for National Sustainment (VINS-Navy)	1,600,000	Brown (SC), Clyburn, Salazar	Allard
RDTE,N	Video and Water Mist Technologies for Incipient Fire Detection on Ships	3,200,000	DeLauro, Larson	Dodd
RDTE,N	Virtual Onboard Analyst (VIRONA) for Multi-Sensor Mine Detection	1,000,000		Inouye
RDTE,N	Water Security Program (Inland Water Quality and Desalination)	2,400,000		Bingaman, Domenici
RDTE,N	Water Space Management Navigation Decision Aid	2,400,000	Dicks	
RDTE,N	Wave Energy PowerBuoy Generating System for the Department of the Navy	1,600,000	Abercrombie	
RDTE,N	Wide Area Sensor for Force Protection Targeting	1,600,000	Bean	
RDTE,N	Wireless Sensors for Navy Aircraft	2,400,000	Weich	Leahy
RDTE,N (MC)	Zero-Standoff HERO-compliant RFID Systems	1,600,000		Conrad, Dorgan
RDTE,N (MC)	Anti-Sniper Infrared Targeting System	2,000,000	Rogers (KY)	Bunning, McConnell
RDTE,N (MC)	Ballistic Helmet Development	1,200,000	King (NY)	

RDTE,N (MC)	Battlefield Sensor Netting		2,400,000	Young (FL)	
RDTE,N (MC)	Center for Geospatial Intelligence and Investigation (GI)		1,520,000	Granger, Carter	
RDTE,N (MC)	Craft Integrated Electronic Suite (CIES)		2,880,000	Mollohan	
RDTE,N (MC)	Eye Safe Laser Warning Systems		2,000,000	Baird, Wu	Smith, Wyden
RDTE,N (MC)	Global Supply Chain Management		1,600,000	Bishop (GA)	
RDTE,N (MC)	Ground Warfare Acoustical Combat System of Netted Sensors		2,000,000	Sullivan, Boren	Inhofe
RDTE,N (MC)	High Power, Ultra-Lightweight Zinc-Air Battery		2,500,000	Welch, Akin, Coble, Graves, Kucinich, Ryan (OH), Sutton	Dole, Leahy
RDTE,N (MC)	Hybrid Capacitor Supercell for Marine Combat Vehicle		1,200,000	Altmire	Casey, Specter
RDTE,N (MC)	Logistics Technology Improvements		1,600,000	Bishop (GA)	Chambliss, Isakson
RDTE,N (MC)	MZC2		3,800,000		Inouye
RDTE,N (MC)	Marine Air-Ground Task Force Situational Awareness		1,000,000		Inouye
RDTE,N (MC)	Marine Corps Shotgun Modernization Program		3,000,000	Hoyer	Mikulski
RDTE,N (MC)	Marine Expeditionary Rifle Squad—Sensor Integrated, Modular Protection, Combat Helmet (MERS-SIMP)		1,600,000	Rehberg	Baucus, Tester
RDTE,N (MC)	Near Infrared Optical (NIRO) Augmentation System		800,000	Moran (VA)	
RDTE,N (MC)	Urban Operations Laboratory		1,600,000	Boyd	Brownback, Roberts
RDTE,N (MC)	USMC Logistics Analysis and Optimization		2,400,000	Bishop (GA)	
RDTE,N (MC)	Warfighter Rapid Awareness Processing Technology		4,000,000	Abercrombie, Hirono	Akaka
SCN	AGS Pallets		6,000,000		McConnell
SCN	Large Harbor Tugs		11,800,000		Murray

**DEFENSE—Continued**

Account	Project	Amount	Requester(s)	
			House	Senate
WPN	ABL Restoration Plan	38,000,000		Byrd
WTCV,A	AB-FIST Gunnery Trainer Upgrades for the ID ARNG	1,000,000	Sali	Crapo
WTCV,A	AB-FIST Gunnery Trainer Upgrades for TN ARNG	3,200,000		Corker
WTCV,A	AB-FIST Gunnery Trainers for TN ARNG	2,400,000		Alexander, Corker
WTCV,A	Arsenal Support Program Initiative—Rock Island	8,500,000	Braley, Hare	Durbin, Grassley, Harkin
WTCV,A	Arsenal Support Program Initiative—Watervliet	5,000,000	McNulty	Schumer
WTCV,A	Arsenal Support Program Initiative, Rock Island—Joint Manufacturing and Technology Center	4,200,000	Hare, Braley	Durbin, Grassley, Harkin
WTCV,A	M1 Abrams Mobile Conduct of Fire Trainers Upgrades for the TN ARNG	3,000,000	Tanner	Alexander
WTCV,A	Transmission Dynamometer	1,600,000	Boyd	Brownback