

**FY06 APPROPS PORK LIST****(in millions)****(includes appropriations above or absent from the Administration's request)****TITLE I—PERSONNEL***NATIONAL GUARD PERSONNEL, ARMY*

Lewis and Clark Bicentennial Commemoration Support 2.2

**TITLE II—OPERATION AND MAINTENANCE***OPERATION AND MAINTENANCE, ARMY*

USARPAC Core Warfighting C4 Network Infrastructure	13.5
Fleece Insulated Liners for ECWCS	8.0
Grenade Range Improvements at Fort Knox	1.0
Rx-capable Dual sized Ballistic Protective Eyewear	6.0
Battle Command Training Capability	3.9
USARPAC Deployable C4 Systems	2.0
Golden Hour Technology Containers	5.0
Alaska Land Mobile Radio (ALMR)	3.4
Ground Forces Readiness Enabler for Advanced Tactical Vehicles	1.0
USARPAC GCCS Operations	1.4
Remanufactured Generator Engines	1.0
Strengthening the Quality of Life for Military Families	.65
Army Conservation and Ecosystem Management	4.0
Roof for Building 299, Rock Island Arsenal	8.0
Fort Wainwright Utilidor Repairs	10.0
Streamlined Assistance to the Severely Wounded	2.0
Quadruple Specialty Containers	6.0
Industrial Mobilization Capacity/ at Rock Island Arsenal	8.0
Air Battle Captain	2.0
Joint Air Defender Simulation Training at Fort Bliss	3.0
Multipurpose Law Enforcement Academy for Military Police	1.0
Crossroad Cluster Communities at Fort Knox	1.0
Live Training Instrumentation for AMD Units	1.0
Biometrics Identity System for Access	1.8
Classified Adjustment	17.6
Standard Army Maintenance System--Enhanced	5.0

*OPERATIONS AND MAINTENANCE, NAVY*

NAVAIR Knowledge Management & Decision Support System	6.0
Flame Contaminant Detection System	1.0
Center of Excellence for Disaster Mgmt. and Humanitarian Asst.	4.3
Marine Gas Turbine Photonic Sensor	1.0
Navy Region Northwest Counterterrorism Program	4.0
PMRF Flood Control	2.5
Wastewater Treatment for NCTAMS	2.0
Night Vision Devices in Advanced Helicopter Training	1.0
Classified Adjustment	9.68

*OPERATIONS AND MAINTENANCE, MARINE CORPS*

Cold Weather Clothing and Equipment Program Marine Corps Base Layer	2.0
Integrated Mountain Cold Weather Clothing & Equipment Program (MCWCEP)	3.0
Marine Advanced Combat Suit Base Layer-- Seamless Battle Apparel	2.5
Marine Corps Contact Glove	3.0
MIOX On-the-Move Individual Water Purification System	5.0
Corrosion Assessment Teams	2.0

Corrosion Prevention and Control Program	2.0
Rapid Data Management System (RDMS)	5.0
Communications Upgrade MBH	4.0
Communications Support for NOC	2.1

*OPERATION AND MAINTENANCE, AIR FORCE*

B-52 Attrition Reserve	29.0
F-15E Oxygen Concentrator Reliability Improvement Program	5.75
Center for Excellence for Defense UAV Education	1.0
National Airborne Operations Center (NAOC)	.7
Aircraft Defect Detection and Performance Management Application	1.0
F-16 Avionics Intermediate Shop Depot Replacement	9.0
Eielson AFB Utilidor Repairs	10.0
Building 9480 Renovation (Phase II)	15.0
PARC Range Upgrade for Army/Air Force Integration (Phase III)	17.7
11th Air Force Range Power and Fiber Upgrades	6.0
Desktop Sustainment Architecture, Tech and Interoperability Div, Hickam AFB	2.0
C-17 Beddown PACAF	3.0
Contaminant Air Processing System	1.0
Mission Critical Power System Reliability Surveys	2.0
C-17 Beddown PACAF	21.0
DOD Distance Education Initiative with Western Governors	1.0
Hickam AFB Alternative Fuel Vehicle Program	4.0
Manufacturing Technical Assistance and Production Program	1.0
U.S NorthCom Homeland Defense Education Consortium	3.0

*OPERATIONS AND MAINTENANCE, DEFENSE-WIDE*

Conversion of LTATV to JP8 Powered Engines	2.0
Factory Refurbishment of Naval Special Warfare Rigid Inflatable Boats	1.0
Strategic Language Initiative	1.5
SOCOM BA Realignment	124.1
National Guard Youth Challenge Program	15.0
DoD STARBASE Program	1.0
Procurement Technical Assistance Program	7.0
PartNET/NET Inventory and Subassembly	3.0
Center for Supply Chain Management	15.0
Mathematics and Technology Teachers Development (DODEA)	1.0
English Literature Curriculum Development	1.0
IDEA International (Galena)	5.0
DODEA--Repair and Improvement of Existing Windows and Doors	1.0
DIMHRS	7.0
IMPACT JEMS (Jobs/Employment for Military Spouses)	1.0
Bulkhead Construction at Military Ocean Terminal Bayonne (MOTBY)	4.0
Sewer Replacement at McClellan AFB	2.9
Telecommunication Upgrades at Kodiak Launch Complex	14.5
UCHSC-DCH Fitzsimons Medical Campus	3.0
Port of Anchorage Intermodal Marine Facility Project	10.0
Increase Assistance to Local Communities	60.0
Locomotives/Rail Cars to Support Deployment of Stryker Brigade	16.0
Compatible Use Buffer Program	20.0
Information Assurance Scholarships	3.0
Pentagon Integrated Campus Pilot Program	5.0
TJS BA Realignment	303.2
SOCOM BA Realignment	64.1

<i>OPERATIONS AND MAINTENANCE, ARMY RESERVE</i>	
Extended cold Weather Clothing System	2.0
Strengthening the Quality of Life for Military Families	.5
<i>OPERATIONS AND MAINTENANCE, NAVY RESERVE</i>	
Maritime Domain Awareness Support	2.0
<i>OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD</i>	
BLSS Kit--PASGT Retro Fit Suspension System	2.5
Extended Cold Weather Clothing System (ECWCS)	2.0
Joint Interagency Training Center--East	10.0
Operator Driving Simulators	3.0
Information Technology Continuity of Operations	7.2
Regional Geospatial Service Center	3.0
Hawaii Wireless Interoperability Network (HWIN)	.5
Communicator Automated Emergency Notification System	2.5
Facility Needs at National Guard Training Center, Fort Stewart	10.0
Lewis and Clark Bicentennial Commemoration Support	2.5
<i>OPERATION AND MAINTENANCE, AIR NATIONAL GUARD</i>	
166 <sup>th</sup> Information Operations Squadron	1.5
Combat Arms Training System	5.0
National Guard State Partnership Program	2.5
<b>TITLE III—PROCUREMENT</b>	
<i>AIRCRAFT PROCUREMENT, ARMY</i>	
HELICOPTER NEW TRAINING	
USAPT	4.0
AH-64 MODS	
Vibration Management Enhancement Program	4.5
CH-47 CARGO HELICOPTER MODS	
2nd Source Qualification for Transmission Parts	4.5
UH-60 MODS	
Search and Rescue Thermal Imaging Upgrades	4.0
AN/AAQ-22 FLIR	8.0
COMMON GROUND EQUIPMENT	
Aviation Maintenance Fall Protection Platforms	2.0
<i>PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY</i>	
ABRAMS TANK TRAINING DEVICES	
Intelligent Graphic Wiring Traceout for Abrams Tank Data	2.0
INDUSTRIAL PREPAREDNESS	
Arsenal Support Program Initiative (note: Rock Island Arsenal only)	6.0
SMALL ARMS EQUIPMENT (SOLDIER ENH PROG)	
M2HB Enhanced .50 Caliber Machine Gun Kits	4.0
SPARES AND REPAIR PARTS (WTCV)	
Joint Enhanced Explosion Resistant Coatings for Vehicles	2.5
<i>PROCUREMENT OF AMMUNITION, ARMY</i>	
CTG, TANK, 120MM TACTICAL, ALL TYPES	
120MM Tactical All Types--M1028 Canister Rounds	1.0
DEMOLITION MUNITIONS, ALL TYPES	
Rapid Wall Breaching Kit (RWBK)	3.0

AMMUNITION PECULIAR EQUIPMENT	
Ammunition Peculiar Equipment Outloading Module (McAlester)	4.0
Automated Tactical Ammunition Classification System (ATACS)	2.0
PROVISION OF INDUSTRIAL FACILITIES	
Load, Assemble and Pack (LAP) Kansas Army Ammunition Plant	10.0
CONVENTIONAL MUNITIONS DEMILITARIZATION	
Missile Recycling Capability Energetics Processing Module Commissioning	2.0
<i>OTHER PROCUREMENT, ARMY</i>	
SEMITRAILERS, FLATBED	
600 Series Commercial Tractor Trailer	2.0
FAMILY OF MEDIUM TACTICAL VEH (FMTV)	
Light Medium Tactical Vehicle--Army National Guard	4.0
FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	
Movement Tracking System (MTS)	1.6
DEFENSE SATELLITE COMMUNICATIONS SYSTEM (SPACE)	
Jam Resistant Secure Communications (Transfer from O&M, Army--BA 4)	15.0
Satellite-Based Prototype Interoperable Network Communication System	1.0
ARMY GLOBAL CMD & CONTROL SYS (AGCCS)	
Road Armor Demonstration Software for Computer Security	1.0
BRIDGE TO FUTURE NETWORKS	
High Speed Communications Assemblage Upgrade	10.0
Joint Force Wireless Redundant Communications--Army National Guard	5.0
INFORMATION SYSTEM SECURITY PROGRAM--ISSP	
Biometrics Identity System for Access	5.2
BASE SUPPORT COMMUNICATIONS	
Alaska Land Mobile Radio	7.0
USARPAC Deployable C4 System	10.0
INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	
GIG-BE ALCOM Expansion	6.5
PROPHET GROUND (TIARA)	
Prophet Ground Vehicle Block I Enhancements	3.0
NIGHT VISION DEVICES	
NightHunter II Ultra-High Intensity Illumination System	2.0
MX-2 Mini-IR Thermal Imager	5.0
LOGTECH	
Active Data-Rich RFID for In-Transit Visibility Upgrades and Enhancements	6.0
Arsenal/Depot AIT Initiative	10.0
SINGLE ARMY LOGISTICS ENTERPRISE (SALE)	
USARPAC GCCS Operations	.3
RESERVE COMPONENT AUTOMATION SYS (RCAS)	
Pacific Rim Information Technology Infrastructure Improvement Program	7.0
HANDHELD STANDOFF MINEFIELD DETECTION SYS-HST	
Handheld Standoff Mine Detection System (HSTAMIDS)--Army Reserve	3.0
LIGHTWEIGHT MAINTENANCE ENCLOSURE (LME)	
Lightweight Maintenance Enclosure	4.0
ITEMS LESS THAN \$5 MILLION (CSS EQ)	
Long Arm High Intensity Handheld Searchlight (RI-2200 and RI-2400)	4.5
COMBAT SUPPORT MEDICAL	
Combat Support Hospitals	5.0
LOGISTIC SUPPORT VESSEL (LSV)	
Logistics Support Vessel Enhancement Program	8.0
CAUSEWAY SYSTEMS	
Modular Causeway System	10.0

GENERATORS AND ASSOCIATED EQUIP	
100kW Tactical Quiet Generator	4.0
ALL TERRAIN LIFTING ARMY SYSTEM	
All Terrain Lifting Army System--Army Reserve	5.0
TRAINING DEVICES, NONSYSTEM	
172nd SIB Range Improvement Plan	14.0
Advanced Bradley Full-Crew Interactive Simulator Trainers	12.0
Call For Fire Trainer/Joint Fires and Effects Trainer System	2.5
Combat Arms Training System--Army National Guard	4.0
USARPAC Core Warfighting C4 Network Infrastructure	1.75
PHYSICAL SECURITY SYSTEMS	
Battlefield Anti-Intrusion System	10.0
Gamma Radiographic Detection System (GaRDS) Mobile Car & Truck Inspection Unit	1.0
SPECIAL EQUIPMENT FOR USER TESTING	
Advanced Threat Communications Network	4.0
<i>AIRCRAFT PROCUREMENT, NAVY</i>	
F/A-18E/F (FIGHTER) HORNET (MYP)	
Shared Reconnaissance Pod (SHARP)	7.85
JPATS	
Joint Primary Aircraft Training System (JPATS)	11.6
KC-130J--AP	
AP for 6 aircraft in fiscal year 2007	71.0
F-18 SERIES	
Spare Engines and Modules	30.0
P-3 SERIES	
Anti-Submarine Warfare Maritime Improvement Program (AMIP)	7.0
CURTIS Upgrades to the P3C BMUP	1.0
T-45 SERIES	
T-45 Crash Survivable Memory Unit	4.0
COMMON GROUND EQUIPMENT	
Direct Squadron Support Readiness Training Program	4.0
<i>WEAPONS PROCUREMENT, NAVY</i>	
DRONES AND DECOYS	
ITALD	20.0
STANDARD MISSILES MODS	
Rocket Motor Modernization	7.5
WEAPONS INDUSTRIAL FACILITIES	
Allegany Ballistics Lab--Facility Restoration Plan	31.0
GUN MOUNT MODS	
Minor Caliber Gun System	3.0
Mk 45 Mod 4 5" Gun Upgrades	10.0
<i>SHIPBUILDING &amp; CONVERSION, NAVY</i>	
CARRIER REPLACEMENT PROGRAM	
CVN-21 Schedule Maintenance	86.7
SERVICE CRAFT	
Tug Boat Craft	9.8
<i>OTHER PROCUREMENT, NAVY</i>	
ALLISON 501K GAS TURBINE	
Optical Flash Detection System	3.4
OTHER NAVIGATION EQUIPMENT	

AMPHIB Integrated Bridge System	3.0
SUB PERISCOPES & IMAGING EQUIP	
Photonic Mast Spares for SSGN Class Submarines	4.0
ITEMS LESS THAN \$5 MILLION	
Advanced Control Monitoring System	4.0
Aircraft Carrier Elevator Modification	3.0
Canned Lube Pump for LSD-41/49 Class	3.5
CVN Propeller Replacement Program	4.0
Fuel and Engine Maintenance Savings System (FEMSS) LSD 41/49 Class Ships	1.0
Machinery Control and Surveillance System for Gas Turbine Ships	3.0
OPERATING FORCES IPE	
IPDE Enhancement and DOD PDM Interoperability Program	1.0
SUBMARINE SUPPORT EQUIPMENT PROG	
BLQ-10 Radar Narrow Band ESM Technology Refresh	4.5
JEDMICS	
PACOM Agile Coalition Environment	8.0
WEAPONS RANGE SUPPORT EQUIPMENT	
PMRF Equipment	10.0
AVIATION LIFE SUPPORT	
Multi Climate Protection System	6.0
US Navy M-176 Microphone and Mask	4.0
RAM GMLS	
Phalanx SeaRAM	12.0
SURFACE ASW SUPPORT EQUIPMENT	
Mk 32 Surface Vessel Torpedo Tube (SVTT) Remanufacture	2.5
EXPLOSIVE ORDNANCE DISPOSAL EQUIP	
SCOUT High Pressure Air System	2.9
ANTI-SHIP MISSILE DECOY SYSTEM	
MK 53 NULKA Decoy System	6.0
SUBMARINE TRAINING DEVICE MODS	
INTERLOCKS Development Tool	4.0
Performance-Centric Mission Essential Content Delivery	2.0
CONSTRUCTION AND MAINTENANCE EQUIP	
Earthmoving Equipment for U.S. Navy Construction Units	4.5
MATERIALS HANDLING EQUIPMENT	
Seabee Loaders with Six-ton MHE Capability	5.0
OTHER SUPPLY SUPPORT EQUIPMENT	
DWMS/RFID for Improved Logistics, Support, and Asset Tracking and Visibility	2.5
COMMAND SUPPORT EQUIPMENT	
Man Overboard Identification System	9.1
MEDICAL SUPPORT EQUIPMENT	
Navy Medical Automated Information Technology Insertion	1.0
OPERATING FORCES SUPPORT EQUIPMENT	
Protective Covers to Prevent Corrosion on Surface Combatants	3.0
PHYSICAL SECURITY EQUIPMENT	
Navy Region Northwest Remote Sentry	2.0
SEAFOX Remote Controlled Surface Vehicle	3.0
CLASSIFIED PROGRAMS	5.65
<i>PROCUREMENT, MARINE CORPS</i>	
MODIFICATION KITS (ARMOR AND FIRE SUPPORT)	
MK 19 Modification Kits	1.0
UNIT OPERATIONS CENTER	

USMC Hitchhiker Baseline COC	4.8
AUTO TEST SYSTEMS	
Digitization of DOD Manuals	20.0
COMBAT SUPPORT SYSTEM	
Floodlight Set Upgrade/Replacement	3.5
COMM & ELEC INFRASTRUCTURE SUPPORT	
USMC Continuity of Operations Program	2.2
POWER EQUIPMENT ASSORTED	
2KW Military Tactical Generators	1.5
 <i>AIRCRAFT PROCUREMENT, AIR FORCE</i>	
F-15E	
Additional Aircraft	65.0
C-17 ICS	
PACAF C-17 Maintenance Training System	28.0
C-130J	
Restore 7 Aircraft	417.62
C-130J--AP	
Program Restoration	90.0
CIVIL AIR PATROL A/C	
Civil Air Patrol	6.0
B-1B	
B-1B Pneumatic Assisted Release (PAR) Bomb Rack Upgrade	3.5
B-1 Aircraft Digital Communications Improvement	14.0
B-52	
B-52 Attrition Reserve	27.9
F-15	
F-15 Active Electronically Scanned Array Radar	19.9
F-16	
ANG Block 42 F-16 Engine Upgrade	30.0
F-16 Advanced Identification Friend or Foe (AIFF) Interrogator	8.0
ANG F-16 Block 30 Distributed Mission Operations Center (DMOC)/Simulator	15.0
C-5	
C-5 Avionics Modernization Program (AMP)	15.0
C-5	
C-5 Reliability Enhancement and Re-engining Program (RERP)	15.0
C-37A	
Additional aircraft	45.0
C-130	
APN-241 Color Weather Radar for AFRC C-130H2	15.0
Scathe View Communications Upgrade Program	5.0
Senior Scout Intelligent Communications Exploitation (ICE) Program	5.0
C-135	
GATM for the KC-135	2.0
Emergency Vision Assurance System for ANG Tankers	3.0
E-3	
E-3 Rotary Coupler Improvement Program	1.0
H-1	
UH-1N Navigation Thermal Imaging Systems	4.0
H-60	
HH60G Weapon System Trainer/Operation Flight Trainer	2.0
OTHER AIRCRAFT	
Auxilliary Fuel Tanks	36.0
PRV--Transfer from R,D,T,&E,Air Force	75.0
CLASSIFIED PROJECTS	

Compass Call	4.0
<i>MISSILE PROCUREMENT, AIR FORCE</i>	
MM III MODIFICATIONS	
Propulsion Replacement Program (PRP)	8.5
Propulsion System Rocket Engine Life Extension Pro- gram	3.0
<i>OTHER PROCUREMENT, AIR FORCE</i>	
GENERAL INFORMATION TECHNOLOGY	
Palmtop Emergency Action for Chemical (PEAC)	7.0
Science and Engineering Lab Integration (SELDI)	5.0
11th AF Link 16 Radars	13.0
COMBAT TRAINING RANGES	
UMTE Modernization	9.0
Cope Thunder Link 16 Terminal	1.6
Red Integrated Air Defense	12.0
BASE COMM INFRASTRUCTURE	
Secure Wireless LAN for 126th Air Refueling Wing (IL ANG)	2.0
Air National Guard Network Operations and Security Center	1.0
GIG-BE ALCOM Expansion	11.2
ITEMS LESS THAN \$5.0M (SAFETY + RESCUE)	
Advanced Mission Extender Device (AMXD) Kits	3.0
MECHANIZED MATERIAL HANDLING EQUIPMENT	
Point of Maintenance/Combat Ammunition System (POMX/CAS)	3.0
DARP, MRIGS	
161st Intelligence Squadron Equipment	8.0
CLASSIFIED PROGRAMS	
Classified Adjustment	67.0
<i>PROCUREMENT, DEFENSE-WIDE</i>	
MAJOR EQUIPMENT, OSD	
Army High Performance Computing Research Center	5.0
ROTARY WING UPGRADES AND SUSTAINMENT	
AN/ARS-6 V12 Personnel Locator System	2.7
ASDS ADVANCE PROCUREMENT	71.7
SOF ORDNANCE REPLENISHMENT	
M153 Time Delayed Firing Device/Sympathetic Detonator	8.0
SOF INTELLIGENCE SYSTEMS	
Miniature Multi-band Beacons (MMB)	4.5
SOF COMBATANT CRAFT SYSTEMS	
Rigid Hull Inflatable Boat Procurement	1.5
SOF OPERATIONAL ENHANCEMENTS	
Helmet Mount Track System	5.0
INSTALLATION FORCE PROTECTION	
Military Mail Screening Equipment	10.2
CONTAMINATION AVOIDANCE	
M22 Automatic Chemical Agent Alarm (ACADA)	16.0
<i>DEFENSE PRODUCTION ACT PURCHASES</i>	
Defense Production Act Purchases	
High Performance Batteries and Fuel Cell Production Initiative	6.8
High Performance Coatings Production Initiative	3.9
Next Generation Radiation Hardened Microprocessors	2.91
Advanced Metal Composite Process	8.0

Beryllium Supply Industrial Base	9.0
Ceramic Armor Manufacturing to Protect Armed Forces	5.0
Flexible Aerogel Material Supplier Initiative	5.0
Hydrogen Ion Implantation Equipment	4.0
Miniature Compressor Development	5.0
POSS Nanotechnology Engineering Scale-Up Initiative	7.0
Reactive Plastic CO2 Absorbent Production Capacity	7.5
Read Out Integrated Circuit Manufacturing Improvement	4.0
<b>TITLE IV—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION</b>	
<i>RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY</i>	
<b>DEFENSE RESEARCH SCIENCES</b>	
Advanced Carbon Nanotechnology Program	4.0
Advanced Ground Vehicle Reliability Research	1.0
Brain Imaging and Deception Detection Research	2.5
Biological Raman and Optical Imaging Program	1.0
Desert Terrain Analysis for Enhancing Military Operations	3.0
Document Exploitation Technology Upgrade	5.0
Optical Technologies Research	3.0
Terrain Processes Research to Optimize Battlefield Operations	2.0
<b>UNIVERSITY RESEARCH INITIATIVES</b>	
Advanced Imaging Technology Research	1.0
Burn and Shock Trauma Research	2.0
High Resolution Analytical Transmission Electron Microscope	1.0
Integrated Systems in Sensing, Imaging and Communications Research	2.0
Low Temperature Vehicle Research	2.0
Nanotechnology and Health Research	3.0
<b>UNIVERSITY AND INDUSTRY RESEARCH CENTERS</b>	
Advanced Coating Systems for Ground-based Military Vehicles	1.63
Advanced Sensors Research	1.0
Advanced Steel Casting Technology for Weapon Systems	1.0
Automotive Research	2.0
Ferroelectric Electronic--Photonic Nanodevices	4.0
Nanotubes Optimized for Lightweight Exceptional Strength Composite Materials	4.0
Next Generation Joining Technology Research	2.0
Real Time Classification Through Wall Sensor	2.0
Strategic Defense Systems Manufacturing Technology	3.0
Visualization for Training and Simulation in Urban Terrains	1.0
<b>MATERIALS TECHNOLOGY</b>	
Advanced Materials for Mine Detection and Blast Mitigation	3.0
Composite Materials Technology for Future Combat System	3.0
Future Affordable Multi-Utility Materials for Future Combat System	4.0
Lightweight Blast Containment Vessel Development	2.0
LRIP LASSO	2.5
MEMS Sensors for Rolling Element Bearings	2.0
Multifunctional Nanostructured Materials for Future Combat Systems	4.0
Spinel Tactical Armor Manufacturing Technology	2.0
<b>SENSORS AND ELECTRONIC SURVIVABILITY</b>	
Digital Radio Frequency Tags	4.0
Optical Combat Identification System (OCIDS)	2.0
Persistent Multi-Dimensional Surveillance In Non-Permissive Environments	2.0
Scalable High Efficiency Solid State Lasers	3.0
Small Airship Surveillance System	3.0
SmartCam3D Technology	2.5

<b>ELECTRONIC WARFARE TECHNOLOGY</b>	
Real-Time Laser Threat Warning Development	4.0
Silver Fox Unmanned Aerial Vehicle	4.0
Subterranean Target Identification	2.0
<b>MISSILE TECHNOLOGY</b>	
Enhanced Area Protection and Survivability (EAPS)	5.0
LENS X Hypervelocity Ground Testing	5.0
MARIAH II Hypersonic Wind Tunnel Development Program	12.0
Nanoscience Initiative for Next Generation Missiles	3.0
Near Hermetic Packaging and Interconnection Technology	3.0
Red Rain	3.0
Unique Waveform Based Missile Tech for Horizontal Integration / IED Detection	12.0
Unmanned Systems Initiative at AMRDEC	5.0
<b>ADVANCED WEAPONS TECHNOLOGY</b>	
Army Missile and Space Technology Initiative	18.0
Solid-State High-Output Diode Arrays	2.5
<b>ADVANCED CONCEPTS AND SIMULATION</b>	
Surveillance and Targeting Robot Platform (Red Owl)	9.0
<b>COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY</b>	
Advanced Electric Drive	3.5
Defense Transportation Energy Research	3.0
LUMES	4.0
Unmanned Vehicle Control Technologies	3.0
<b>BALLISTICS TECHNOLOGY</b>	
Gun Barrel Coatings	2.0
<b>CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY</b>	
Battlefield Production of Mod Vaporous Hydrogen Peroxide for Field DecoN	5.0
Development/Operation of Test Range for Advanced Sensors and Obscurants	1.0
Global Pathogen Portal	4.0
<b>WEAPONS AND MUNITIONS TECHNOLOGY</b>	
Active Coatings Technology	3.5
Advanced Materials and Nanotechnology for Ammunition	3.0
Advanced Technology Lightweight Armament System--Rarefaction Wave Gun	4.0
Army Center of Excellence in Acoustics	6.3
Electroconversion of Energetic Materials	7.5
Engineered Surfaces for Weapons Systems' Life Extension	5.0
Fatigue Odometer for Vehicle Components and Gun Barrels Project	4.0
Micro/Nano Systems Technology Research	3.0
Non-nuclear Earth Penetrator Operational Prototype	7.0
Polymer Cased 5.56mm Small Arms Ammunition	1.0
Precision Manufacturing Initiative	4.0
SLEUTH Tungsten Heavy Alloy Penetrator and Warhead Development	4.5
Titanium Extraction Mining and Process Engineering Research	7.0
Transition Laser Engineered Net Shaping Technology	1.0
Ultra Wide Band Sensors	2.0
<b>ELECTRONICS AND ELECTRONIC DEVICES</b>	
Bipolar Wafer-cell Lithium-ion Batteries	1.0
Future Soldier Hybrid Power Sources for the Battlefield	1.0
Lithium Carbide Monofluoride Military Battery Packs	1.0
Miniature Tactical Energy Systems Development	3.0
Novel Zinc Air Power Sources for Military Applications	2.0
PEM Fuel Cell Tactical Quiet Generators	1.0
Portable Solid Oxide Fuel Cell Demonstrator	2.0
Software Defined Radio Interoperability Initiative	2.0
State of Battery Life Indicator	2.0

Thin Cylindrical Iron Disulfide Primary Battery	4.0
Transcritical Carbon Dioxide (CO2) Environmental Control Unit	5.0
<b>COUNTERMINE SYSTEMS</b>	
Biological Detection of Unexploded Ordnance and Land Mines	4.0
Explosives Detection and Mitigation--INL	3.0
Small Synthetic Aperture Radar (SAR) Buried Mine Detection	1.0
<b>HUMAN FACTORS ENGINEERING TECHNOLOGY</b>	
Team Performance and Optimization in Agent and Human-Agent Teams	4.0
<b>ENVIRONMENTAL QUALITY TECHNOLOGY</b>	
Advanced Bio-Based Binders	1.0
Chemical Materials and Environmental Modeling Project	2.0
Quantum Research Facility	8.0
<b>COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY</b>	
Ultra Wideband Chip Set	2.0
<b>COMPUTER AND SOFTWARE TECHNOLOGY</b>	
Software Reliability and Security Improvements	1.3
<b>MILITARY ENGINEERING TECHNOLOGY</b>	
Geosciences Research	2.0
<b>MANPOWER/PERSONNEL/TRAINING TECHNOLOGY</b>	
Language Instruction for the Troops	4.0
<b>WARFIGHTER TECHNOLOGY</b>	
Advanced Warfighter Sustainment Systems for the 21st Century	3.5
Biosecurity Research for Soldier Food Safety	3.7
Development of Long-Shelf Life Fruits and Vegetables for Military Rations	3.0
Improved Self Sintered Silicon Carbide to Meet Body Armor Protection	0.5
Integrated, Unbreakable, Flexible Visible Infrared Lighting Surfaces for Shelters	4.0
Mosaic Flexible Armor	1.0
NBC Integrated Protection Membrane Shelters	5.0
Toxin Guard Research	1.0
Ultra Lightweight Flexible Photovoltaics for the Individual Warrior	2.0
<b>MEDICAL TECHNOLOGY</b>	
Adult Stem Cells for Wound Healing and Immune Reconstruction	4.0
Automated Medical Emergency Intravascular Access	3.0
Bio-Foam Bleeding Sealant for Battlefield Trauma	2.6
Biomedical Sciences and Technology	2.5
Colorimetric PDA-Based Sensor for Rapid Pathogen Detection	7.0
Combat Casualty Care--Battlefield Wounds	4.0
Computational Proteomics	1.0
Control of Inflammation and Tissue Repair	5.0
Hibernation Genomics (UAF)	3.0
HSDI	7.0
Integrative Healing Practices for Veterans (VET-HEAL)	3.5
Medical Image Database Holographic Archiving Library System	2.0
Military Biomaterials Research	4.0
Military Complimentary and Alternative Medicine Research	6.0
National Eye Evaluation and Research Network	3.5
Plasma Discharge Medical Device Sterilization Technology	2.5
Platelet Gels for Treatment of Traumatic Injuries	3.0
Post-Traumatic Stress Disorder Research	1.0
Prevention of Compartment Syndrome	2.0
TEDCO-MRASC Applied Research Demonstration Project	1.0
Telemedicine and Surgical Innovation Research	2.0
Ultra-High-Speed MEMS Electromagnetic Cell Sorter	5.8
Vaccine Research in Biodefense and Emerging Infections	1.0
Vaccines and Therapeutics to Counter Biological Threats	4.0

Vascular Graft Development on Elastin Biomatrices	4.8
Vigilance Surgical Safety System	4.0
<b>WARFIGHTER ADVANCED TECHNOLOGY</b>	
Ration Packaging Materials and Systems for Meals-Ready-to-Eat	2.0
Self-Decontaminating Selectively Permeable Membranes for Chem-Bio Protection	2.0
Small Business Development and Transition	2.0
Technology and Human Systems Integration Program	3.0
<b>MEDICAL ADVANCED TECHNOLOGY</b>	
Autonomous Non-Invasive Alcohol Testing	1.0
Bio-Surveillance in a Highly Mobile Population	1.5
Brain, Biology and Machine Research	2.0
Center for Minimally Invasive Technology	7.5
Fibrogen Bandages for Battlefield Wounds	5.0
Human Operator Performance Research	3.0
Intravenous Membrane Oxygenator	1.0
Medical Modeling and Simulation through Synthetic Genes	1.75
Metroplex Comprehensive Imaging Center	10.0
Military Low Vision Research Program	4.0
Military Nutrition Research: Personnel Readiness and Warfighter Performance	2.0
Minimally Invasive Surgery Modeling and Simulation	1.5
National Bioterrorism Civilian Medical Response (CIMERC)	2.0
National Tissue Engineering Center	3.5
Online Medical Training for Military Personnel	3.0
Pharmacological Countermeasures to Ionizing Radiation	2.5
Plasma Sterilizer	3.0
PolyHeme Blood Substitute	5.0
Portable Ultra Sound Finger Probe	4.0
Pseudofolliculitis Barbae Skin Therapy System	1.0
Rugged Textile Electronic Garments	2.2
Rural Electronic Medical Record (EMR)/Teleradiology System	2.0
SEA-Med Oral Health Program	0.5
Smart Prosthetic Devices Technology	1.0
Soldier Mounted Eye Tracking and Control Systems	3.5
Soldier Treatment and Regeneration Consortium	2.0
Technologies for Metabolic Monitoring/Julia Weaver Fund Initiative	1.0
Tripler Army Medical Center eICU Remote Critical Care	1.0
Untethered Healthcare Program	2.0
Vascular Graft Development on Elastin Biomatrices	3.0
Walter Reed Army Medical Center Wireless Network	1.4
Weight Measurements and Standards for Military Personnel	3.5
<b>AVIATION ADVANCED TECHNOLOGY</b>	
Excalibur Unmanned Combat Aerial Vehicle	7.9
Fuel Cell for Mobile Robotics System Project	5.0
Improved VAROC/Unmanned Aerial Vehicle Compression System Development	7.0
Integrated Oil Debris and Condition Sensor for Condition-Based Maintenance	3.0
Mission Execution Technology Implementation	3.0
Process Technologies for Replacement Part Production	2.0
Reconfigurable Tooling Systems	2.0
Universal Control--Full Authority Digital Engine Control	4.0
Unmanned Aerial Vehicle--Resupply	7.5
Vertical Takeoff and Landing Unmanned Aerial Vehicle	4.5
VTDP Compound Helicopter Technology Flight Demonstration	5.0
Wiring Traceout for Joint Aviation Technical Data Integration	4.0
<b>WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY</b>	
Armament and RangeSafe Technology Initiatives	4.0

Manufacturing of Precision Optics	4.0
Miniaturized RAMAN Chemical Identification System	4.0
Nanotechnology Manufacturing Research	3.0
<b>COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY</b>	
Advanced Thermal Management Controls	4.0
Alcoa Collaborative Development Approach for Non-line of Sight Cannon and Mortar	2.0
Armored Composite Cab Development Program	4.0
Center for Military Vehicle Technologies	11.8
Composite Body Parts--Composite Armored Vehicle Technology Transition	4.0
Composite Shelters for the Future Tactical Truck and Current Shelter Retrofit	3.0
Digital Humans and Virtual Reality Technologies for Future Combat System	2.0
Fastening and Joining Technology	2.0
Full Spectrum Active Protection Close-In Layered Shield (FCLAS)	5.0
Future Lightweight Military Trailer Chassis	5.0
Hydraulic Hybrid Vehicle Technology	5.0
International Commercially Based Logistical Support Trucks for U.S. Army Eval	7.5
Next Generation Non-Tactical Vehicle Propulsion	2.0
N-STEP Enabled Manufacturing Cell for Future Combat System	3.6
Pacific Rim Environmental Degradation of Materials Research Program at UH	2.0
Personal Mobility Vehicle	3.0
Rocket Propelled Grenade Vehicle Protection System	1.5
Solid Oxide Fuel Cell Materials and Manufacturing	3.0
<b>MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY</b>	
Battle Command Team Training Program	3.0
Modeling and Simulation Technologies for Homeland Defense/Security Training	3.0
<b>ELECTRONIC WARFARE ADVANCED TECHNOLOGY</b>	
Applied Communications and Information Networking	6.5
Portable and Mobile Emergency Broadband Systems	2.5
TACOM Software Tools Supporting Structural Assessment of Wheeled Vehicles	1.0
<b>NEXT GENERATION TRAINING &amp; SIMULATION SYSTEMS</b>	
CAVE Automatic Virtual Environment--Desert Research Institute	4.0
Institute for Creative Technologies Joint Fires and Effects Trainer System	5.0
<b>EXPLOSIVES DEMILITARIZATION TECHNOLOGY</b>	
Explosive Demilitarization Technology	.98
HMX Requalification Program	2.0
NAVAIR Systems Command Data Conversion Effort	1.5
Sierra Army Depot Cryofracture/Plasma Arc Demilitarization Program	2.5
Western Area Demilitarization Facility--Hawthorne Army Depot	7.6
<b>COMBATING TERRORISM TECHNOLOGY DEVELOPMENT</b>	
Advanced Mobile Microgrid Liquid Fueler	4.0
<b>ELECTRONIC WARFARE TECHNOLOGY</b>	
GeoFence Pipeline Monitoring and Safety Project	2.0
<b>MISSILE AND ROCKET ADVANCED TECHNOLOGY</b>	
Applied Counterspace Technology Testbed	24.0
Missile Sim Technology Rapid Assessment and Deployment of Sys Initiative	10.0
Warfighter Protection and Homeland Security Lab	5.5
<b>LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY</b>	
Advanced Demining Technology	5.9
Electromagnetic Detection and Imaging Transceiver (EDIT) Landmine Detector	1.0
<b>JOINT SERVICE SMALL ARMS PROGRAM</b>	
Lightweight Machine Gun and Ammunition	2.0
<b>NIGHT VISION ADVANCED TECHNOLOGY</b>	
Cost Effective Targeting System	4.0

Electron Bombarded Active Pixel Sensor Camera	4.0
Enhanced Digital Electronic Night-Vision for Unmanned Ground Vehicles	4.0
Night Vision Fusion	1.0
Real-Time Geospatial Video Sensor Intelligence for NVESD	1.0
Warfighter Position, Location and Tracking Sensor	4.0
<b>MILITARY ENGINEERING ADVANCED TECHNOLOGY</b>	
Advanced Structures and Composites in Construction for Protective Structures	3.0
Battlefield Production of Hydrogen for Fuel Cell Vehicles	2.0
Fireproofing/Corrosion Resistant Coating System	1.5
Fuel Cell Hybrid Generating System--Ramgen Technology	4.0
Real-time Drinking Water Security Program	1.0
Reforming Technologies for Renewable and Flexible Fuel Sources	1.5
<b>ADVANCED TACTICAL COMPUTER SCIENCE AND SENSOR TECHNOLOGY</b>	
Hyperspectral Imaging and Synthetic Aperture Radar for UAVs	1.0
MVMNT Program for Simulation Based Operations	0.6
X-Band Interferometric Radar Development	1.0
<b>ARMY MISSILE DEFENSE SYSTEMS INTEGRATION (NON-SPACE)</b>	
Army Missile Defense--Advanced Electronics Rosebud Integration	3.0
Army Missile Defense Integration of Thermo-Acoustic Piezo Energy Conversion	1.0
Carbon Foam Program--Missile Defense	7.25
Global Infrasound Monitoring	3.0
Integrated Composite Missile Structures	2.5
Low Cost Avionics	2.0
Next Generation Passive Sensors	3.0
Radar-on-a-Chip (RAD-CHIP) Research Program	1.0
Standoff Hazardous Agent Detection and Evaluation System (SHADES)	4.0
Standoff Sensor for Radionuclide Identification (SSRID)	8.0
Transfer Missile Power System--Onboard Vehicle Power	4.0
Vertical Integration for Missile Defense Surveillance Data	1.0
<b>ARMY MISSILE DEFENSE SYSTEMS INTEGRATION (SPACE)</b>	
Allen Army Airfield Upgrades	16.0
Low Cost Interceptor	15.0
Near Space Long Loiter Sensor and Communications Platform	18.8
<b>AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING</b>	
Army Extended Range Attack Missile	8.0
ASMD System of Systems Hardware in the Loop Test Bed	4.0
Single Integrated Space Picture	5.0
<b>TANK AND MEDIUM CALIBER AMMUNITION</b>	
Mid Range Munition--TM3--Dual Mode Seeker	6.0
<b>ENVIRONMENTAL QUALITY TECHNOLOGY DEM/VAL</b>	
Casting Emissions Reduction Program	6.2
Environmental Management System Pilot	3.0
Environmental Security Initiative	1.0
Magna Water District--Perchlorate and Arsenic Treatment	2.5
Rapid Response Bio-Chem Decon, Liquid and Dry (Decon Green)	1.0
Wellhead Treatment of Perchlorate Contaminated Wells	3.0
<b>MEDICAL SYSTEMS--ADV DEV</b>	
Combat Support Hospital--Mobile Surgical Unit	8.3
Future Medical Shelter System--21st Century Military Hospital System	7.5
<b>ARMED, DEPLOYABLE OH-58D</b>	
Army Requested Transfer from APA, Line 3	70.0
Army Requested Transfer from APA, Line 30	9.24
<b>INFANTRY SUPPORT WEAPONS</b>	
XM25 Advanced Airburst Weapon System	5.0

FAMILY OF HEAVY TACTICAL VEHICLES	
Advanced Drivetrains for Enhanced Mobility and Safety	2.0
Future Tactical Truck System	10.0
NON LINE OF SIGHT LAUNCH SYSTEMS	
EnforcIT Anti-Tamper Software	4.0
NIGHT VISION SYSTEMS	
Small Arms and Light Weapons, Soldier Mounted Detection and Location System	2.5
DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)--SDD	
Army Space Modeling and Simulation	10.0
COMBINED ARMS TACTICAL TRAINER (CATT) CORE	
Aviation Combined Arms Tactical Trainer	2.5
Gunner-Crew Chief Station Trainer	3.0
AVIATION--SDD	
Aviation System Integration Facility and Rapid Equipment Fielding Office	2.0
LOGISTICS AND ENGINEER EQUIPMENT--SDD	
Advanced Medium Mobile Power Systems	1.0
MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT--SDD	
Cartledge Infuser for Battlefield Trauma	1.0
Chitosan Bandage Component	4.0
COMBAT IDENTIFICATION	
Command Post Platform	5.0
INFORMATION TECHNOLOGY DEVELOPMENT	
Army Enterprise Human Resource System (eHRS)	2.0
THREAT SIMULATOR DEVELOPMENT	
Distributed RF/SAM Threat Systems	1.0
Web Assured Response Protocol	1.0
TARGET SYSTEMS DEVELOPMENT	
Next Generation Ice Protection System for Unmanned Aerial Vehicles	1.5
ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	
Aberdeen Technology Transfer Initiative	1.5
Accelerator-Based Neutron Production Study	1.0
White Sands Missile Range Film Elimination	3.0
SURVIVABILITY/LETHALITY ANALYSIS	
Rotorcraft Survivability Assessment Facility	5.0
DOD HIGH ENERGY LASER TEST FACILITY	
High Energy Laser Test Facility Upgrade	3.0
TECHNICAL INFORMATION ACTIVITIES	
Army High Performance Computing Research Center	8.0
Knowledge System and Relational Database	2.0
MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY	
Advanced Cluster Energetics (ACE)	3.0
Aluminum Matrix Composite Technology Partnership--Munitions	3.0
Medium Caliber Metal Parts Upgrade	2.0
MEMS Technology Applications (Nano Consortium)	3.0
Small and Medium Caliber Armor Piercing Ammunition Improvements	1.0
MLRS PRODUCT IMPROVEMENT PROGRAM	
HIMARS Command and Control	2.0
WEAPONS CAPABILITY MODIFICATIONS UAV	
Alternate Payload Munition (AP-BLU)	4.0
Guided Dispenser System for Unmanned Aerial Vehicles	5.0
HIGH ALTITUDE AIRSHIP	
Transfer from RDDW, Line 29	10.0
Conformal Embedded Rectennas for High Altitude Airships	5.0
Hydrogen-Oxygen PEM Regenerative Fuel Cell for High Altitude Airships	2.5

ADV FIELD ARTILLERY TACTICAL DATA SYSTEM	
Gun Display Unit-Replacement, Block II	1.0
COMBAT VEHICLE IMPROVEMENT PROGRAMS	
Abrams M1A1 Vehicle Prognostics Development	5.0
AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS	
Helicopter Autonomous Landing System (HALS) for Black-hawks	8.0
OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS	
APKWS Simulator Upgrade	4.88
SECURITY AND INTELLIGENCE ACTIVITIES	
Portable Iris Enrollment and Recognition (PIER) Device	2.0
INFORMATION SYSTEMS SECURITY PROGRAM	
Retinal/Iris Multimodal Biometrics Technology for Secure Identification	1.0
TACTICAL UNMANNED AERIAL VEHICLES (JMIP)	
Small Platform Modern Signal Communications Intelligence (COMINT)	7.0
Tactical Hyperspectral Imaging System for the Shadow UAV	4.0
Tactical Unmanned Aerial Vehicle Testing and Engineering Support	3.0
UAV to Soldier Real Time Video Link	3.0
END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	
Advanced Modeling Technology for Titanium Machining Initiative	4.5
Electrodeposited Coatings Systems for Munitions	4.0
Laser Engineered Net Shaping (LENS) Manufacturing Qualification	3.0
Laser Peening for Army Helicopters	3.0
Lean Munitions	4.5
Legacy Aerospace Gear Drive Re-engineering Initiative	4.0
Low Cost Domestic Titanium Reduction to Powder Initiative	4.0
Manufacturing Metrology for Weapon System Production and Sustainment	1.0
Manufacturing Systems Demonstration	4.0
Materials Joining for Army Weapons Systems	3.0
Packaging and Interconnection Technology	3.0
Super-pulse Laser Processing Technology	3.5
Virtual Parts Engineering Research	2.0
<i>RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY</i>	
UNIVERSITY RESEARCH INITIATIVES	
Center for Southeastern Tropical Advanced Remote Sensing (CSTARS)	2.5
Multifunctional Materials for Naval Structures	1.0
IN-HOUSE LABORATORY INDEPENDENT RESEARCH	
Navy S&T Outreach	3.0
DEFENSE RESEARCH SCIENCES	
Bio-Inspired Materials--Applications in Catalysis, Magnetics, Electronics and Medicine	2.0
Nanoelectronics and Nanometrology Initiative	5.0
Neurobiologically Inspired Computational Architectures and Methodologies	2.0
Rotational Molded Double Wall Hull Using Thermo-Plastic Cross-Link Material	2.5
UNOLS Research Vessel	4.0
POWER PROJECTION APPLIED RESEARCH	
Aircraft Carrier Surveillance System	5.0
Combustion Light Gas Gun	5.0
Free Electron Laser	5.0
MDETEC	1.0
Multi-Sensor Hyperspectral System for Day/Night Reconnaissance	3.0
Silver Fox Unmanned Aerial Vehicle	2.5
Thermal Management Systems for High Density Electronics	8.0
FORCE PROTECTION APPLIED RESEARCH	
Advanced Fusion Processor	3.0

High Efficiency Quiet Electric Drive	3.0
High Frequency Acoustic Signal Processor System	6.0
Lithium Ion Battery for Multiple Navy Aircraft (J-UCAS & T-45 Trainer)	3.0
Magnetic Refrigeration Technology for Naval Applications	3.2
Nano-magnetic Materials for Future Military Propulsion and Energy Systems	2.0
NAVAIR Corrosion Modeling Software Project	3.0
PEM Fuel Cell for Vehicle Sensors	1.0
PMRF Force Protection Lab	4.0
Polymeric Aircraft Components	2.0
Small Watercraft Propulsion Demonstrator	3.0
Undersea Perimeter Security Technology	2.3
Unmanned Sea Surface Vehicles for Maritime Missions	4.5
<b>MARINE CORPS LANDING FORCE TECHNOLOGY</b>	
Advanced Lead Acid Battery Development for Military Vehicles	1.5
<b>MATERIALS, ELECTRONICS AND COMPUTER TECHNOLOGY</b>	
Agile Manufacturing Center for Castings Technology--Keyport Naval Base	2.5
<b>COMMON PICTURE APPLIED RESEARCH</b>	
AIREP	6.5
Critical Area Protection Systems High Resolution Situational Awareness	1.0
M2C2	7.0
NAIF	6.0
SensorNet	25.0
Theater Undersea Warfare Initiative	7.0
Webster Integration	2.0
<b>WARFIGHTER SUSTAINMENT APPLIED RESEARCH</b>	
Advanced Fouling and Corrosion Control Coatings	8.0
Automated Video Threat Recognition	2.5
Biosensor of Defense Applications	1.5
Friction Stir Welding	2.0
Intelligent Processing of Multifunctional Composite Materials	3.0
Methane Desalination Systems	1.0
Multifunction Composites for Next Navy Seaframes	3.5
Optimizing Adaptive Warrior Performance	2.0
Rapid Detection of Biowarfare Agents in Water	3.0
Transportable Transponder Landing System	3.0
<b>RF SYSTEMS APPLIED RESEARCH</b>	
Advanced Microwave Ferrite Research for RF Systems	2.5
Gallium Nitride RF Power Technology	2.0
Maritime Synthetic Range	7.0
Pacific-Theater Data Fusion Testbed	2.0
<b>OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH</b>	
Integrated Littoral Sensor Network	2.5
<b>UNDERSEA WARFARE APPLIED RESEARCH</b>	
Acoustic Littoral Glider System	4.5
High Power, High Duty Transducers	3.3
MEMS-IMU for an Advanced Underwater Sensor	4.0
<b>MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH</b>	
Coordinated, Heterogeneous Teams of Unmanned Vehicles	3.0
Hyperspectral Imager for the Coastal Ocean	1.0
<b>POWER PROJECTION ADVANCED TECHNOLOGY</b>	
Advanced Panoramic Sensor Systems for Unmanned Aerial Vehicles	1.0
Articulated Stable Ocean Platform	1.0
Bow Lifting Body Ship Research	7.0
Excalibur Unmanned Combat Aerial Vehicle	1.0
Expeditionary Craft	9.0

High Speed Anti-Radiation Demonstration--Airframe/Propulsion Section	10.0
Information Sharing for ISR Targeting and Engagement of Mobile Targets	3.0
Long Wavelength Array	5.0
Low-Power Polymer Based Infrared Technology	3.0
Quiet High-Speed Propulsion	8.0
Smart Instrument Development for the Magdalena Ridge Observatory	5.0
<b>FORCE PROTECTION ADVANCED TECHNOLOGY</b>	
Agile Port and High Speed Ship Technology	5.0
Copper-Ceramic Solid Oxide Fuel Cell Technology	1.0
High Performance Sandwich Panel Construction	1.0
High Temperature Superconducting Generators	5.0
Large Unmanned Undersea Vehicle Test Bed	6.0
Mobile Manufacturing and Repair Cell	5.0
Planar Solid Oxide Fuel Cell Cluster Demonstration	6.0
Pure Hydrogen Supply from Logistics Fuel	1.5
Remote Energetic Material Manufacturing for Pyrotechnic Infrared Decoys	3.0
Ship Service Fuel Cell	6.0
Unmanned Force Augmentation System	5.0
Wide Bandgap Semiconductor Substrate Materials	8.0
Wireless Sensor System	2.0
<b>COMMON PICTURE ADVANCED TECHNOLOGY</b>	
CUSAS	3.4
Improved Shipboard Combat Information	4.0
<b>WARFIGHTER SUSTAINMENT ADVANCED TECHNOLOGY</b>	
Automated Container and Cargo Handling System	4.0
Defense Systems Modernization and Sustainment Initiative	4.0
HEET	4.5
Protective Apparel Technology Systems	3.0
Wireless Sensors for Navy Aircraft	3.0
<b>RF SYSTEMS ADVANCED TECHNOLOGY</b>	
APY-6 Real-time Precision Targeting Radar	4.0
Common Affordable Radar Processor	8.0
Joint Electronic Attack Unmanned Vehicles	3.0
<b>MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION (ATD)</b>	
Armored Patrol Vehicle	3.0
Expeditionary Unit Water Purification II	11.0
Laser Integrated Target Engagement System	5.2
Marine Air-Ground Task Force Situational Awareness	1.0
Mobile Fire Support System--Dragonfire II	4.0
<b>NAVY TECHNICAL INFORMATION PRESENTATION SYSTEM</b>	
Modeling and Simulation for Urban Operations	8.0
<b>WARFIGHTER PROTECTION ADVANCED TECHNOLOGY</b>	
High Speed Blood and Fluid Transfusion Equipment	3.0
Integrated Warfighter BioDefense Program	7.5
Tissue and Limb Transplantation Medical Technology Development	3.0
<b>UNDERSEA WARFARE ADVANCED TECHNOLOGY</b>	
Hawaii Undersea Vehicle Test and Training Environment	2.0
SAUVIM	1.0
<b>MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY</b>	
Visual Integrated Bridge System	2.0
<b>AIR/OCEAN TACTICAL APPLICATIONS</b>	
3D Certification of Multibeam Array and Processing System	2.5
Littoral Acoustic Demonstration Center	1.0
<b>AVIATION SURVIVABILITY</b>	
Agile Laser Eye Goggle Protection	2.0

Aviation Fire Suppression Production Alignment	1.0
Integrated Manifold and Tube Ceramic Oxygen Generator	6.0
Intelligent Control Systems for SWARM Unmanned Aerial Vehicles	4.35
Rotocraft External Airbag Protection System	4.0
Silver Fox Unmanned Aerial Vehicle	4.0
<b>ASW SYSTEMS DEVELOPMENT</b>	
Electro-Optic Passive ASW (EPAS)	8.0
Lithium Battery Sonobuoy Packs	1.0
<b>SURFACE AND SHALLOW WATER MINE COUNTERMEASURES</b>	
Surface Navy Integrated Undersea Tactical Technology	2.0
<b>SURFACE SHIP TORPEDO DEFENSE</b>	
Anti Torpedo Torpedo	3.0
Integrated Multi-Platform Sonar System	3.0
<b>SHIPBOARD SYSTEM COMPONENT DEVELOPMENT</b>	
Amorphous Metal Permanent Magnet Generator	1.5
Carbon Foam Program	2.25
High Temperature Superconductor AC Synchronous Navy Propulsion Motor	8.0
MTTC/IPI and National Surface Treatment Center	10.0
Water Mist Fire Protection Systems	1.0
<b>SURFACE ASW</b>	
Improved Surface Vessel Torpedo Launcher	4.5
<b>ADVANCED SUBMARINE SYSTEM DEVELOPMENT</b>	
SSGN/Unmanned Undersea Vehicle Integration Program	20.0
<b>SHIP CONCEPT ADVANCED DESIGN</b>	
Autonomous Maritime Navigation Program	8.0
Security Video Distribution System for Shipboard Force Protection	1.0
<b>LITTORAL COMBAT SHIP (LCS)</b>	
Remote Operation of Active Sonar Technology	5.0
<b>COMBAT SYSTEM INTEGRATION</b>	
Transportable Laser Induced Plasma Channel	13.0
Trouble Report Information Data Warehouse	2.0
<b>MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM</b>	
Anti-Sniper Infrared Targeting System	6.0
Marine Expeditionary Rifle Squad	2.0
Neutralizing Facility Threats with Novel Technology	1.5
Urban Operations Environmental Laboratory	5.5
<b>ENVIRONMENTAL PROTECTION</b>	
Coatings and Polymeric Films Development for Naval Applications	2.4
Integrated Marine Mammal Monitoring and Protection System	3.0
<b>NAVY ENERGY PROGRAM</b>	
One Megawatt Molten Carbonate Fuel Cell Demonstrator--Pearl Harbor Naval Station	7.5
One Megawatt Molten Carbonate Fuel Cell Demonstrator--Camp Pendleton	4.0
<b>FACILITIES IMPROVEMENT</b>	
Playas Instrumentation Network Design and Development	1.5
<b>NAVY LOGISTIC PRODUCTIVITY</b>	
AIT-Enabled Aviation Pack-up Kit	2.0
<b>LAND ATTACK TECHNOLOGY</b>	
Ballistic Trajectory Extended Range Munition Program	12.0
Mk 57mm Gun/Ammo Transition and Start-Up	12.0
<b>COUNTERDRUG RDT&amp;E PROJECTS</b>	
76mm Super Rapid Medium Caliber Gun for Littoral Combat Ships	0.5
Athena Beta Site	7.5
Research of Frequency Selective Surfaces and Thermal Signatures--INL	3.0
<b>HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) PROGRAM</b>	
Submarine Launched Intermediate Range Ballistic Missile	12.0

STANDARDS DEVELOPMENT	
Advanced Virtual Test System Project	2.0
P-3 MODERNIZATION PROGRAM	
Personal Digital Assistant Maintenance Application Project	1.0
TACTICAL COMMAND SYSTEM	
Logistics Common Operating Picture	4.0
Naval Special Warfare UUV Sensors and C2--STTR	1.0
ELECTRONIC WARFARE DEVELOPMENT	
Infrared Signature Reduction to Mitigate Terrorist Missile Threats	2.5
SC-21 TOTAL SHIP SYSTEM ENGINEERING	
Naval Smartships that Anticipate and Manage	2.0
Permanent Magnet Motor	11.0
SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	
Silicon Carbide Monolithic Microwave Integrated Circuit (MMIC) Program	4.0
STANDARD MISSILE IMPROVEMENTS	
MK 41 Vertical Launching System Open Architecture	4.0
SSN-688 AND TRIDENT MODERNIZATION	
Improved Submarine Towed Array Handler and Reliability	5.0
AIR CONTROL	
Transportable Transponder Landing System	3.0
SHIPBOARD AVIATION SYSTEMS	
Aircraft Carrier Aviation Modernization	6.5
Machine Vision Confirmation of Launch Bar Engagement Sys- tem	1.0
Synthetic Material Arresting Gear Cable	2.0
NEW DESIGN SSN	
Multi-Mission Module--Virginia Class SSN	30.0
Network Centric Capability Technology Insertion	4.0
Submarine COTS Web Enabled Services Toolkit	4.0
SUBMARINE TACTICAL WARFARE SYSTEM	
Automated Submarine Command and Control Center	3.5
Submarine Open Architecture Technology Insertion	3.5
BATTLE GROUP PASSIVE HORIZON EXTENSION SYSTEM	
COBLU--Network Centric Warfare Enhancement	4.0
SHIP SELF DEFENSE (DETECT CONTROL)	
Autonomous Unmanned Surface Vessel	4.0
SHIP SELF DEFENSE (ENGAGE: HARD KILL)	
Phalanx CIWS Next Generation and Lightweight Mount	2.0
SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)	
NULKA Decoy System	4.0
Sea Raptor	5.0
MEDICAL DEVELOPMENT	
Biodhesion Research to Combat Biological Warfare	4.0
Hemoglobin-Based Oxygen Carrier Research	4.0
Hemostatic Therapeutic Trials	3.0
Multivalent Dengue Vaccine Program	3.0
Non-Invasive Vectored Vaccine Research	3.5
On-demand Custom Body Implants/Prosthesis for Injured Personnel	1.0
RescueStreamer Distress Signal	1.0
INFORMATION TECHNOLOGY DEVELOPMENT	
Condition-Based Maintenance Enabling Technologies Program	3.0
Digitization, Integration and Analyst Access of NCIS Investigative Files	6.0
Integration of Logistics Info for Knowledge Projection and Readiness Assessment	2.0
Internet Chat Relay Upgrade	2.0
Next Generation Networking Electronic Medical Record Project	1.0
SPAWAR Information Technology Center	18.0

MAJOR T&E INVESTMENT	
Integrating Navy RDTE and Training Resources to Accelerate Fleet Transformation	2.0
TECHNICAL INFORMATION SERVICES	
HTDV	4.0
Integrated Manufacturing Enterprise Project	5.0
JITC	9.0
Pacific-Based Joint Info Tech Center	8.0
MARINE CORPS PROGRAM WIDE SUPPORT	
Detection and Recovery of UXO, Brown Island--Camp LeJeune	2.0
STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	
Thin-Plate Pure Lead Technology in Submarine Batteries	5.0
F/A-18 SQUADRONS	
F/A-18E/F Net Centric Operations Upgrades	10.0
Military Rapid Response Command Information System	2.0
E-2 SQUADRONS	
Makaha Ridge FORCEnet Lab	4.0
FLEET TELECOMMUNICATIONS (TACTICAL)	
Floating Area Network	2.0
TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)	
Precision Terrain Aided Tomahawk Navigation	6.0
INTEGRATED SURVEILLANCE SYSTEM	
Fiber Optic Conformal Acoustic Velocity System	6.0
AVIATION IMPROVEMENTS	
Advanced Very Lightweight Avionics System for Airborne Platforms	1.0
Smart Multi-functional Corrosion Inhibiting Coatings	1.0
MARINE CORPS COMMUNICATIONS SYSTEMS	
Critical Infrastructure Protection Center	3.5
Improved Ground Based Transportable Radar	4.0
Marine Corps Distributed Common Ground System and Net Centric Center	1.0
Metadata	1.0
MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	
Antioxidant Micronutrients Program	0.6
Expeditionary Fire Support System	5.5
Multi-Role Intermediate Support Craft	9.5
Ultrasonic Consolidation of Embedded Sensors	4.0
MARINE CORPS COMBAT SERVICES SUPPORT	
Autonomic Logistics	5.0
TACTICAL UNMANNED AERIAL VEHICLES (JMIP)	
Advanced Airship Flying Laboratory, Phase II	5.0
Fire Scout RQ-8B	20.0
AIRBORNE RECONNAISSANCE SYSTEMS (JMIP)	
Deployable UAV System for Targeting Exploitation and Reconnaissance (DUSTER)	6.5
Oblique Angle Hyperspectral Image Fusion and Analysis for Change Detection	1.65
MARITIME TECHNOLOGY (MARITECH)	
Navy Automatic Identification Technology (AIT) Engineering Support Center	4.0
CLASSIFIED PROGRAMS	
Classified Adjustment	23.75
<i>RESEARCH, DEVELOPMENT, TEST, EVALUATION, AIR FORCE</i>	
DEFENSE RESEARCH SCIENCES	
Corrosion Protection of Aluminum Alloys Used in Aircraft	2.0
Hypersonic Research	4.0
Nanophotonic Components	2.5
Network Information and Space Security	4.6
Non-lethal Stunning/Immobilizing Weapons	0.75

Virtual Operation for Unmanned Aerial Vehicles	5.0
<b>UNIVERSITY RESEARCH INITIATIVES</b>	
21st Century Information Operations Workforce	1.5
Military Logistics Readiness	1.0
Secure and Assured Information Sharing	3.5
<b>HIGH ENERGY LASER RESEARCH INITIATIVES</b>	
Landscape Operational and Knowledge-based Characterization	0.7
<b>MATERIALS</b>	
Adv Materials Deposition for Semiconductor Nanostructures	1.4
Adv Manufacturing Technologies for Metals, Composites, Materials	1.0
Air Force Minority Leaders Program	5.0
Carbon Nanostructured Material for Fluid Purification	10.0
Complex Composite Structures for Manned-Unmanned Air Vehicles	2.0
Innovative Process for Continuous Fabrication of Carbon Nanotube Membranes	2.5
Domestic High Modulus PAN Carbon Fiber Qualification	2.5
Durable Hybrid Coatings for Aircraft Systems	1.0
Engineered Optical Materials for High Energy Laser Development	2.2
Nanoparticle Materials Coatings Research	1.0
Safer Nanomaterials and Nanomanufacturing	3.5
Strategic Partnership for Research in Nanotechnology	15.0
Thermal Sprays for Structural Blast Mitigation	3.0
Minority LEADERS Research Program (see also Aerospace Sensors)	2.5
<b>AEROSPACE VEHICLE TECHNOLOGIES</b>	
Sentient Adaptive Systems Tech for Vehicle Condition-based Maintenance	2.0
Unmanned Systems Initiative at AMRDEC	5.0
WBI--Characterization of Airborne Environment for Tactical Lasers	1.0
<b>HUMAN EFFECTIVENESS APPLIED RESEARCH</b>	
Bacterial Ghost Vaccine for Influenza Virus	1.0
Component Object Model Attitude Control System Simulation/Trainer	4.5
Fused Carbon Nanotube Material for Fluid Purification	3.5
Nanoparticles Directed by DNA Capture Elements	1.0
Solid Electrolyte Oxygen Separator	6.9
Warfighter Pocket XP Project	6.5
Warfighter Sustainability: Maximizing Human Performance	4.0
<b>AEROSPACE PROPULSION</b>	
Affordable Lightweight Power Supply Development	2.5
Integrated Power and Aircraft Technologies (INPACT)	7.5
Portable Power Source for Battlefield Air Operation Kit	2.0
<b>AEROSPACE SENSORS</b>	
Minority LEADERS Research Program (see also Materials)	2.5
Advanced Sensor-based Vigilance Technologies	1.3
Small Disadvantage Business, Historically Black Colleges and Universities	8.0
Super-resolution Sensor System (S3)	5.4
3-D Packaging for High Speed RF Communication	4.0
Watchkeeper	6.0
<b>MULTI-DISCIPLINARY SPACE TECHNOLOGY</b>	
Space Qualification of the Common Data Link	5.3
Universal Small Launch Vehicle	6.0
<b>SPACE TECHNOLOGY</b>	
HAARP	4.0
Consortium for Autonomous Satellite Systems (CASS)	1.5
Deployable Structures Experiment	3.8
Elastic Memory Composite Material	2.5
Integrated Control for Autonomous Space Systems	1.0
Large Aperture Deployable Structure Systems for Space	3.3

Nano-reinforced Structures and Multi-functional Space Structures	4.0
National Security Research--Signature Exploitation	2.0
CONVENTIONAL MUNITIONS	
Advanced Energy Technology for Munitions--Dominator Pro-gram	4.0
DIRECTED ENERGY TECHNOLOGY	
Adaptive Optics Lasercom	1.0
COMMAND CONTROL AND COMMUNICATIONS	
Cyber Situational Awareness	1.9
ADVANCED MATERIALS FOR WEAPON SYSTEMS	
Hydrothermal Oxidation	2.0
Advanced Composite Processes for UAV Components	1.0
Assessing Aging Military Aircraft	3.0
Hybrid Bearings	2.0
Materials Integrity Management Research for Air Force Sys-tems	1.0
Metals Affordability Initiative (MAI)	7.0
Stealth RAM Coatings	3.5
Titanium Honeycomb Sandwich and Composite Structures Design	4.0
AEROSPACE TECHNOLOGY DEV/DEMO	
WBI--Capabilities Analysis Phase 2	3.5
Hybrid Radio Frequency--Optical Communications Terminal	1.0
AEROSPACE PROPULSION AND POWER TECHNOLOGY	
More Electric Technology for Mission Critical Power Systems	3.0
VAATE Advanced Supersonic Cruise Missile Engine	10.0
Versatile Affordable Advanced Turbine Engines--5K--7K Thrust Category	2.5
X-43C Development	2.0
ELECTRONIC COMBAT TECHNOLOGY	
Advanced Threat Alert ATD--Technology Insertion	2.0
Affordable Visible Missile Warning System	3.5
Infrared Countermeasures Electronics Improvement Program	1.0
BALLISTIC MISSILE TECHNOLOGY	
Pacific Ballistic Missile Technology Program	1.5
P-Net	2.25
ADVANCED SPACECRAFT TECHNOLOGY	
AC Coupled Interconnect (ACCI)	3.0
Beta Energy Cells for Defense Applications	6.0
Intelligent Free Space Optical Satellite Communication Node	3.0
Integrated Spacecraft Engineering Tool	1.0
Large Automated Production of Expandable Launch Structure	4.5
Magnetic Random-Access Memory Communications Materials	1.0
Microsatellite Serial Manufacturing	2.0
Systematic Approach to Radiation Hardened Electronics (SHARE)	4.0
Thin Film Amorphous Solar Arrays	10.0
MAUI SPACE SURVEILLANCE SYSTEM (MSSS)	
High Accuracy Network Determination System (HANDS)	10.0
MSSS Operations & Research	25.0
PanSTARRS	10.0
MULTI-DISCIPLINARY ADVANCED DEVELOPMENT SPACE TECHNOL-OGY	
Aerospace Relay Mirror System	3.0
CONVENTIONAL WEAPONS TECHNOLOGY	
High Speed Strike Weapon (HSSW)	3.3
ADVANCED WEAPONS TECHNOLOGY	
Applications of LIDAR to Vehicles with Analysis (ALVA)	7.0
High Brightness Laser Diode Source for Fiber Laser Pumps	3.5
Satellite Active Imaging National Testbed Program	1.5
ENVIRONMENTAL ENGINEERING TECHNOLOGY	

MPOI for Battlespace Information Exchange	2.7
<b>C3I ADVANCED DEVELOPMENT</b>	
Enable Network Centeric Warfare	3.2
Massively Parallel Optical Interconnects for Battlespace Datacom	1.9
Net-Centric Dissimilar Data Fusion Program	4.0
<b>SPACE CONTROL TECHNOLOGY</b>	
Multifunctional Daytime Optical System	2.0
<b>POLLUTION PREVENTION</b>	
O2 Diesel Particulate Emissions Reduction Research Project	1.5
<b>OPERATIONALLY RESPONSIVE LAUNCH</b>	
Near Space Analysis and Program Development	3.5
Tactical Satellite Demonstrations	9.5
<b>ADVANCED COMMUNICATIONS SYSTEMS</b>	
Massively Parallel Optical Interconnects for MicroSatellite Datacom	1.3
<b>B-1B</b>	
B-1 Secure Digital Communications Improvement	5.0
<b>ELECTRONIC WARFARE DEVELOPMENT</b>	
AN/ALR-69A Radar Warning Transfer	8.5
<b>COUNTERSPACE SYSTEMS</b>	
Space Control Test Capabilities	7.0
<b>LIFE SUPPORT SYSTEMS</b>	
Enhanced Quick Donning Oxygen Mask	5.0
MBU-23 Oxygen Mask, Visor, Microphone	2.0
<b>INTEGRATED COMMAND &amp; CONTROL APPLICATIONS (IC2A)</b>	
Asset eWing Program	5.0
Distributed Mission Interoperability Toolkit (DMIT)	6.0
<b>RDT&amp;E FOR AGING AIRCRAFT</b>	
Aging Aircraft Structural Repair Facility Study	1.0
Aging Landing Gear Life Extension (ALGLE)	7.0
Aging Military Aircraft Fleet Support	6.0
Improved Fleet Readiness and 3-D Modeling	3.5
In-Flight Propeller Balancing System (IPBS)	1.5
Lean Depot Engine Repair (LEADER)	1.0
Productivity Improvements for Landing Gear Overhaul Technologies	6.0
<b>COMBAT SURVIVOR EVADER LOCATOR</b>	
CSEL transfer from OPAF for Development of TAC/TAG	17.5
<b>MAJOR T&amp;E INVESTMENT</b>	
FPS-16 Radar Mobilization and Upgrade	1.0
Holloman High Speed Test Track Upgrade	6.0
<b>ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)</b>	
Ballistic Missile Range Safety Technology (BMRST)	13.0
<b>A-10 SQUADRONS</b>	
A-10 Propulsion Upgrade	10.0
<b>F-15E SQUADRONS</b>	
F-15 BOL Pilot Vehicle Interface	9.5
<b>CSAF INNOVATION PROGRAM</b>	
Command Responder	1.0
<b>ADVANCED COMMUNICATIONS SYSTEMS</b>	
Adaptive Joint C4ISR Node (AJCN) Security Certification	3.5
<b>JOINT SURVEILLANCE/TARGET ATTACK RADAR SYSTEM (JSTARS)</b>	
E-8C Joint Stars Re-Engine Initiative	10.0
Joint STARS Advanced Radar Modes (ARM)	12.9
<b>INFORMATION SYSTEMS SECURITY PROGRAM</b>	
Homeland Defense and Civil Support Threat Information Collection	1.0
Infrastructure Assurance and Security	2.0

GLOBAL COMMAND AND CONTROL SYSTEM	
Applied Research in Computing Enterprise Services (ARCES)	4.2
SATELLITE CONTROL NETWORK (SPACE)	
Civil Reserve Space Service (CRSS) Initiative	5.0
AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATCAL)	
242 ATAS ANG Mobile Approach Control System (MACS)	17.25
Transportable Transponder Landing System	4.5
MANNED RECONNAISSANCE SYSTEMS (JMIP)	
Combat Sent Tactical ELINT System Modernization	3.5
Rivet Joint Reachback	5.0
PREDATOR UAV (JMIP)	
Small, Tactical UAVs for Intel, Comms, and Atmospheric Data	2.5
GLOBAL HAWK UAV (JMIP)	
Global Hawk Growth Engine	9.0
SPACETRACK (SPACE)	
AF Space Surveillance System S Band Sensor	10.0
Space Based Space Surveillance	15.0
C-130J PROGRAM	
Automated Inspection, Repair, Corrosion, and Tracking (AIRCAT)	2.5
Real-Time Measurement Weight and Balance System	2.5
C-17 AIRCRAFT (IF)	
C-17 Engine Vibration Monitoring System	2.0
INDUSTRIAL PREPAREDNESS	
Nanomaterial Manufacturing and Military Application	4.0
Supply Chain Optimization Universal Tool Kit	2.0
WBI--RFID Collaboration Initiative	8.5
SUPPORT SYSTEMS DEVELOPMENT	
C-17 Aging Aircraft Logistics Management Program	5.0
Commodity Management Systems Consolidation Program	2.0
Heavy Duty Hybrid Electric	3.5
Teleoperated Semi-autonomous Robot for Aging Aircraft Maintenance	1.5
Warner Robins Aging Aircraft	4.9
 <i>RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE</i>	
DEFENSE RESEARCH SCIENCES	
Advanced Materials for Quantum Computing	4.5
PBO	2.0
GOVERNMENT/INDUSTRY COSPONSORSHIP OF UNIVERSITY RESEARCH	
Infotonics Research	4.0
DEFENSE EXPERIMENTAL PROGRAM TO STIMULATE COMPETITIVE RESEARCH	
Additional Funding	4.0
CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	
DNA Safeguard Project--Boise State University	1.0
Ricin and Anthrax Countermeasures	4.0
Superstructural Particle Eval & Characterization with Reaction Analysis	1.85
Vaccine Development Program	1.0
Photoscrub	1.0
Detection of Biological Agents in Water	2.0
INSENSITIVE MUNITIONS--EXPLORATORY DEVELOPMENT	
Nanomaterial Technology Research	2.0
MEDICAL FREE ELECTRON LASER	
Medical Free Electron Laser (MFEL)	12.0
HISTORICALLY BLACK COLLEGES AND UNIVERSITIES (HBCU) SCIENCE	
Tribal Colleges--Science Lab and Computer Equipment	2.0
BIOLOGICAL WARFARE DEFENSE	

Noninvasive Biomodulation System	2.5
<b>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</b>	
Advanced Emergency Medical Response Training Program	3.0
Alternative Delivery Methods for Recombinant Protein Vac-cines	4.7
Bug-to-Drug Program	9.0
Marburg Countermeasures	6.0
Multi-purpose Biodefense Immuno Array	2.0
Mustard Gas Antidote Research Consortium	3.0
Nanotechnology for Detection of Biological Agents	1.9
Nanowire Mesh Fabrics for Chem/Bio Defense	1.6
Novel Viral Biowarfare Agent ID and Treatment	5.7
Portable Chemical/Biological Detection Sensor System	2.0
Proteomics R&D Improved Drugs and Diagnostics Against Biowarfare	1.5
Research on a Molecular Approach to Hazardous Materials Decontamination	1.0
System for Bacterial Warfare Agent Detection	0.45
<b>TACTICAL TECHNOLOGY</b>	
Counter Sniper/RPG Self Protection System	1.0
Enhancement of Communications and Telemetry Support Equipment	2.0
CEROS	7.0
<b>MATERIALS AND BIOLOGICAL TECHNOLOGY</b>	
Characterization, Reliability, & Applications of 3-D Microstructures	3.0
Strategic Materials	3.0
<b>SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT</b>	
Angelfire/FCLAS Full Spectrum Active Protection Close-in Layered Shield	8.0
<b>SO/LIC ADVANCED DEVELOPMENT</b>	
University Multi-Spectral Laboratory/ASCENT Program	2.0
<b>COMBATING TERRORISM TECHNOLOGY SUPPORT</b>	
Counter-Terrorism Intelligence Surveillance Reconnaissance	4.0
Electromagnetic Wave Gradiometer	3.0
Fuel Cell Power for Continuity of Operations	2.0
Fuel Cell Ground Support Equipment Demo	5.0
<b>COUNTERPROLIFERATION INITIATIVES-- PREVENTION AND DEFEAT</b>	
DETECTIVE (HPGe) Radiation Portal Monitors	3.0
Guardian Glass Scintillation Fiber Radiation Detectors	8.0
<b>BALLISTIC MISSILE DEFENSE TECHNOLOGY</b>	
Center for Optical Logic Devices	1.0
High Density Power Supplies Using Silicon Carbide	5.0
Massively Parallel Optical Interconnects for Microsatellites Applications	2.6
Advanced RF Technology Development	4.0
Multiple-Target-Tracking Optical Sensor-Array Technology (MOST)	1.0
Porous Silicon	1.0
SiC Thick Film Mirror Coatings	3.0
NFIRE from line 74	13.7
<b>ADVANCED AEROSPACE SYSTEMS</b>	
Improved Suborbital Operations	8.0
<b>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM--ADVANCED DEVELOPMENT</b>	
Dengue Countermeasures	6.0
Ebola Countermeasures	6.0
Hand-held Biological Agent Detection System	4.5
Immunochemical Biological/Chemical Threat Agent Detector	4.0
NIDS Handheld Biological Agent Detectors	12.0
Oral Adjuvants	2.0
Outbreak Detection Information Network (ODIN)	4.0
Plant Vaccine Development	7.0
Polyclonal Human Antibody Production System	3.5

Rapid Response Database	1.0
Reactive Air Purification for Individual and Collective Protection	8.0
Self-Detoxifying Materials in CB Protective Clothing	3.0
Small Accelerators and Detection Systems	2.5
<b>SPECIAL TECHNICAL SUPPORT</b>	
Spray Technique Analysis and Research for Defense	2.0
<b>GENERIC LOGISTICS R&amp;D TECHNOLOGY DEMONSTRATIONS</b>	
Advanced Power Management for Wireless Systems	2.0
Aging Systems Sustainment and Enabling Technologies (ASSET)	2.0
Chameleon Miniaturized Wireless Systems	9.0
DOD Email Net Inventory Service	2.0
Hydrogen Logistics Fuel Initiative	1.5
Manufacturing Extension Partnership--Midwest	2.0
Next Generation Air Start Cart	2.0
Solid Hydrogen Storage and Fuel Cell Systems	3.5
Ultra-low Power Battlefield Sensor System	20.0
Vehicle Fuel Cell Program	7.0
<b>STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM</b>	
ChemNet Environmax 4.0	3.0
Cleaning Ammonium Perchlorate Contamination --University of Idaho	1.0
Wellhead Treatment of Perchlorate Contaminated Wells	10.0
<b>ADVANCED ELECTRONICS TECHNOLOGIES</b>	
Electronic Miniturization	6.0
MIL Tech Extension	1.5
Small Scale Systems Packaging Center	2.0
<b>ADVANCED CONCEPT TECHNOLOGY DEMONSTRATIONS</b>	
Crossed Field Radiation Technology	1.0
Flexible JP-8 ACES	4.0
Portal Security	6.0
<b>HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM</b>	
Arctic Regional Supercomputer	5.5
High Performance Computational Design of Novel Materials	3.0
MHPCC Technology Upgrade	15.0
<b>SOFTWARE ENGINEERING INSTITUTE</b>	
Advanced Lithography--Thin Film Masks for Lithography	5.0
<b>TEST &amp; EVALUATION SCIENCE &amp; TECHNOLOGY</b>	
Advanced Unmanned Vehicle System Development	7.0
National Unmanned Systems Experimentation Environment (NUSE2)	4.0
<b>TECHNOLOGY LINK</b>	
Springboard	7.75
<b>SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT</b>	
C-130 Advanced Tactical Airborne C4ISR System (ATACS)	2.5
LRIP LASSO	2.5
Long Range Biometric Target Identification System	3.0
Mark V Patrol Boat Replacement	1.5
Mobile Electrical Power Utilizing Energy Harvesting	1.9
Special Operations Portable Power Source	5.0
Voice Activated Handheld Translator	2.3
<b>PHYSICAL SECURITY EQUIPMENT</b>	
Persistent Perimeter Security with Unmanned Mobile Sensors	8.0
Intelligent Decision Exploration	1.0
<b>JOINT ROBOTICS PROGRAM</b>	
Robotic Assisted Convoy Operations	3.0
<b>ADVANCED SENSOR APPLICATIONS PROGRAM</b>	
Biometric Signatures Research	4.0

Secure Airborne Free Space Optical Communications	4.0
<b>BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT</b>	
Arrow Co-Production	55.0
Arrow Short Range Ballistic Missile Defense	10.0
<b>BALLISTIC MISSILE DEFENSE GROUND-BASED MIDCOURSE DEFENSE SEGMENT</b>	
Ground Based Mid-Course Defense from line 70	2,334.7
Ground Based Mid-Course Defense Test Program/Enhancements	200.0
Improved Materials for Optical Materials	8.0
<b>BALLISTIC MISSILE SEA-BASED MIDCOURSE DEFENSE SEGMENT</b>	
Sea-Based Midcourse Defense Segment from line 70	845.43
Aegis SM-3 Development and Deployment	75.0
Kauai Test Facility	4.0
PMRF Upgrades	5.0
Range Mission Tool	2.5
Sensor Data Fusion and Communications	2.5
<b>MULTIPLE KILL VEHICLES</b>	
Multiple Kill Vehicles from line 70	82.0
Program Support from line 70A	1.0
<b>BALLISTIC MISSILE DEFENSE BOOST DEFENSE SEGMENT</b>	
Airborne Laser	10.0
<b>SPACE SURVEILLANCE AND TRACKING SYSTEM</b>	
SSTS transfer from line 73	235.54
Airborne Infrared Surveillance Systems (AIRS)	10.0
<b>RADARS</b>	
RADARS transfer from line 73	294.3
<b>BALLISTIC MISSILE DEFENSE SYSTEM INTERCEPTOR</b>	
Net Centric Airborne Defense Element	10.0
<b>BALLISTIC MISSILE DEFENSE TEST &amp; TARGETS</b>	
Multi-Frame Blind Deconvolution	3.0
Optical Sensors for PMRF (SHOTS)	4.0
<b>BALLISTIC MISSILE DEFENSE PRODUCTS</b>	
<b>JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS</b>	
Satellite Assets for Joint Navigation Warfare	4.0
<b>JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM</b>	
Delta Mining Training Center	4.0
HIPAS	4.0
<b>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</b>	
ParrallelaVax Rapid Vaccine Testing Technology	3.5
<b>MANPADS DEFENSE PROGRAM</b>	
Counter-MANPADS Airspace Protection System (CMAPS)	3.0
<b>JOINT ROBOTICS PROGRAM</b>	
Unmanned Ground Vehicles	2.0
<b>FINANCIAL MANAGEMENT SYSTEM IMPROVEMENTS</b>	
Small Business Pilot Program to Re-Engineer DoD Vendor Pay Process	5.0
<b>DEFENSE INTEGRATED MILITARY HUMAN RESOURCES SYSTEM (DIMHRS)</b>	
DIMHRS	25.0
<b>CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CTEIP)</b>	
UAV Systems and Operations Validations Program	7.0
Unmanned Systems Testbed	1.0
<b>FOREIGN MATERIAL ACQUISITION AND EXPLOITATION</b>	
Classified Adjustment	20.0
<b>CLASSIFIED PROGRAM USD(P)</b>	
Classified Adjustment	100.0
<b>SUPPORT TO NETWORKS AND INFORMATION INTEGRATION</b>	

Pacific Disaster Center	6.0
<b>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</b>	
Advanced Chemical/Biological Integrated Response Course	2.5
<b>CLASSIFIED PROGRAMS--C3I</b>	
Foreign Supplier Assessment Center	10.0
<b>SMALL BUSINESS INNOVATION RESEARCH/CHALLENGE ADMINISTRATION</b>	
Advanced Metalized Gelled Propellants	3.0
<b>DISA MISSION SUPPORT OPERATIONS</b>	
Critical Infrastructure Test Range at the Idaho National Laboratory	10.0
<b>INDUSTRIAL PREPAREDNESS</b>	
Center for Advanced Manufacturing	1.5
Manufacturing Engineering of Spray Cooling Technology	5.0
<b>SPECIAL OPERATIONS TACTICAL SYSTEMS DEVELOPMENT</b>	
Alternative Mobility Vehicles (AMV) for Special Operations Applications	3.5
Covert Waveform Communications	4.8
Mountain Climbing/Arctic Warfare	1.0
SOF Unmanned Vehicle Targeting	8.0
<b>SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT</b>	
Bio-Warfare Testing	1.5
Joint Threat Warning System--GSK and UAV	6.0
Application Specific Integrated Circuit (ASIC) Development	6.0
Special Operations Wireless Mgmt and Ctrl (SOWMAC)	2.5
Tactical Miniture SDR Receiver	3.0
<b>SOF OPERATIONAL ENHANCEMENTS</b>	
B-Band Covert Night Vision System Low-Rate Initial Production	5.5
Lightweight Portable Solar Panels	1.5
Special Operations Tactical Mobility Simulator	1.5
Special Payload for Neptune UAV System	3.0
<b>OPERATIONS ADVANCED SEAL DELIVERY SYSTEM (ASDS) DEVELOPMENT</b>	
Advanced Materials & Processes Demo for High-Speed Military Craft	9.0

**TITLE VI—OTHER DEPARTMENT OF DEFENSE APPROPRIATIONS**

*OPERATION AND MAINTENANCE*

Alaska Federal Health Care Network	2.5
Digital Access and Analysis of Historic Records at AFIP	20.0
Iowa Army Ammunitions Plant Health Study	0.75
Brown Tree Snakes	2.0
Graduate School of Nursing	2.5
Tri-Service Nursing Research Program	6.0
USUHS WMD Collaborative Medical Readiness Initiative	1.0
Air Force Medical Service Database Initiative	3.0
Army Medical Department Enterprise Resource Planning	2.1
Automated Clinical Practice Guidelines	2.0
Integrated Clinical Information Systems Collaboration	3.0
Madigan Army Medical Trauma Unit	2.0
U.S. Air Force Digitized Health Record	1.0
Vaccine Health Care Centers	6.0
Maternal-Fetal Health Informatics & Outreach Program	1.0
Clinical Coupler Integration	4.0

*RESEARCH, DEVELOPMENT, TEST, AND EVALUATION*

Preventive Medicine Research for Prostate Cancer	2.0
Peer Reviewed Medical Research Program	50.0
Breast Cancer Research Program	150.0

Prostate Cancer Research Program	85.0
Ovarian Cancer Research Program	10.0
Hawaii Federal Health Care Network	25.0
Armed Forces Medical and Food Research	2.0
Copper Antimicrobial Program	2.0
Inositol-Signaling, Molecule-Based Radioprotectant Drug Development	2.0
Manganese Health Research Program	2.0
Medical Vanguard Diabetes Management Project	0.9
Noninvasive Hydration and Hemodynamic Monitoring	1.0
Platelet Transfusion Therapy	1.0
Regenerative Medicine Research	2.0
Supervision Using Electro-Active Optics	5.0
Telerobotic and Advanced Minimally Invasive Surgery	2.5
Noninvasive Nanodiagnosics of Cancer	4.0
<i>CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, ARMY</i>	
Research, development, test and evaluation	24.9
ACWA Blue Grass and Pueblo construction	51.0
ACWA Supercritical Water Oxidation development	4.9
 <i>DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE</i>	
Alaska National Guard Counterdrug Program	3.0
Hawaii National Guard Counterdrug Program	3.1
Appalachia High Intensity Trafficking Area	2.0
West Virginia National Guard Counterdrug Program	3.0
Kentucky National Guard Counterdrug Program	3.6
Nevada National Guard CD RAID Program	3.5
New Mexico National Guard Counterdrug Program	4.0
Regional Counterdrug Training Academy, Mississippi	1.5
Northeast Regional Counterdrug Training Center	4.0
Midwest Regional Counterdrug Training Center	6.0
National Guard Counterdrug Support	25.0
 <b>TITTLE VII RELATED AGENCIES</b>	
Intelligence Community Management Account	58.5
 <b>The following programs were authorized by the Senate Armed Services Committee:</b>	
Cognitive Air Defense Simulators (CADS)	3.0
Corrosion Prevention and Control Program	2.0
Satellite Communications for Learning (SCOLA)	3.0
Unattended Ground Sensors	2.0
Information Assurance Vulnerability Alert (IAVA) Cell	3.0
Electric Start System Technology Upgrade	5.0
Mk 45 Mod 5 Gun Depot Overhauls	16.0
Acclimate High Performance Undergarments	2.5
All Purpose Environmental Clothing System (APECS)	8.0
Combat Casualty Care Equipment Upgrade	4.0
Impact Aid	30.0
Portable Tent Lighting	2.0
Loaders--Army Reserve	10.0
P-3 SERIES	
Anti-Submarine Warfare Maritime Improvement Program (AMIP)	7.0
CURTIS Upgrades to the P3C BMUP	1.0
DD(X) AP FISCAL YEAR 2006 FOR FISCAL YEAR 2008	50.0

LCS MODULES	
MT30 Marine Gas Turbine Spare Engine	7.6
SSN ACOUSTICS	
Submarine Acoustic Modernization ARCI	5.0