

Fiscal Year 2005 Defense Appropriations Conference Report Pork List

Title I - Personnel

Reserve Personnel

Air Force

932nd Airlift Wing Personnel at Scott AFB, ILL 3.6

Army National Guard

Lewis and Clark Bicentennial Activities 1.3

AGRs providing Admin support for Ground-Based Midcourse Missile Defense 3.3

Title II - Operation and Maintenance

Army

Fort Baker, San Francisco Bay, Golden Gate National Recreation Area Natl Park Service 1.9

Navy

Florida Memorial College 0.8

Defense-Wide

Outdoor Odyssey, Roaring Run, PA
(Youth Development & STARBASE) 0.5

U.S. Asian-American Pacific Islander Internship Program 2.6

California wildfires imagery support 0.5

Title III - Procurement

Aircraft Procurement

Air Force

15 C-17 Globemaster III 158.6

Title IV - Research, Development, Test and Evaluation

Army

Molecular Genetics and Musculoskeletal Research 11.5

OPERATIONS & MAINTENANCE, ARMY

Modular General Purpose Tent System (MGPTS)	2.6
Tactical Operations Centers for USASOC and 4 th Infantry	4.5
USAARMC FCS Support Cell at Fort Knox	1.0
Leak Proof Transmission Drip Pans	2.0
Forward Osmosis Water Filtration	4.3
USARPAC SBCT C4 Infrastructure	6.0
Vehicle Integrated Primary Electrical Resource	3.0
AFATDS Regional Training Team	5.3
Renewal of Sunshine Road Ammunition Transportation Route, Fort Benning	2.0
Upgrade Telecommunications Infrastructure, Fort Monmouth	1.0
Army Conservation and Ecosystem Management	3.0
Fort Knox Crossroad Cluster Communities MOU Site	0.8
Fort Richardson Biathlon Trail Upgrade	1.0
Restore Woody Island and Historic Structures	1.0
USARAK Road Repairs	11.0
Fort Wainwright Utilidor Repairs	8.5
Rockfall Mitigation below Tripler AMC	2.4
PACMERS	3.3
WMD-CSTs	4.2
Industrial Mobilization Capacity	4.6
Air Battle Captain Program	2.0
Satellite Communications for Learning (SCOLA), DLI Foreign Language Center	3.0
Virtual Reality Spray Paint Simulator System and Training	1.5
Video Interactive Training and Assessment System	1.7
Military Police MCTFT Joint Training	1.0
Leadership for Leaders at CGSC/CAL and KSU	1.0
Management Training	1.0
Training Instrumentation for Air and Missile Defense Units, Ft. Bliss	3.5
DLIFLC Global Language On-line Support System (GLOSS) Project	1.7
DLICLC Persian-Farsi Curriculum Development – Semester 2	1.4
Joint Training Exercise Experimentation Project	2.0
Online Technology Training Program, Ft. Lewis	1.9
Online Technology Training Program	1.4
Philadelphia Military Academy	1.0
NATO 9T AGM Batteries	1.9
Pulse Technology– Army Battery Management Program	2.8
Integrated Digital Environments Pilot Program for Army Aviation Fleet Logistics Management	1.2
IDE PEO Ground Combat Systems	1.0

Sense and Respond Logistics	2.4
Controlled Humidity Preservation Program, Soft Portable Tunnels	1.0
Army Ground Systems Integrated Lean Enterprise (AGILE)	4.2
Field Pack Up System	2.8
Infrastructure Upgrades at Camp Carroll	0.4
One Soul: Holocaust Education Exhibit	1.0
Memorial Day	0.9
Army Legacy Logistics Systems Modernization	4.9
Centralized Range Residue Recycling Facility (CRRRF)	1.3
Center for Disaster Management and Humanitarian Assistance	1.0
Repairs at Fort Baker	1.9
Kahuku flooding, Salt Lake sediment run-off, and Helemanu water transmission	1.0
OPERATIONS & MAINTENANCE, NAVY	
Naval Aviation Depot (NADEP) Support of the FRP	1.2
Simulation Modeling Analytical Support System (SMASS) Program	1.0
CAT & RADCOM Test Program Sets Life Extension Program	5.1
Low Observability Coatings and Materials Maintenance, COE	1.0
Pierside and Organizational Maintenance U.S.S. Eisenhower	7.5
Engineering Technician, Apprentice, co-op Program, NUWC Keyport	1.1
Improved Engineering Design Process	1.1
Manufacturing Technical Assistance and Production Program	2.8
Naval Shipyard Apprentice Program	1.5
Center of Excellence for Disaster Management and Humanitarian Assistance	4.5
Manual Reverse Osmosis Desalinators (MROD) Testing, Repair and Replacement	1.0
Mk 45 5-Inch Gun Depot Overhauls	14.0
Toledo Shipyard Improvement Plan	1.5
Education, Childhood Development, Groton Navy Submarine Base	1.0
Seal Beach Naval Weapons Station Bridge Removal	0.5
Naval Integrated Security system, Naval Station San Diego	2.8
Navy Region Northwest– Navy Shore Infrastructure Transformation (NSIT)	4.6
Navy Region Southeast– Integrated Safety Management System (ISMS) Completion	2.2
Combating Terrorism Database System (CDTS) Remote Data Repository (RDR) Project	1.2
Flood Mitigation at Lualualei (HI)	2.6
PMRF Flood Control	3.0
Ship Disposal Program	7.0
Near Pier-Side Tactical and Simulation Training	1.0
Blended Learning Initiative	1.0
Night Vision Goggles in Advanced Helicopter Training	1.5
Navy Advanced Education Demonstration Project	0.5
Center for Defense Technology and Education for the Military Services (CDTEMS)	4.0
Navy Professional Military Education	1.0
Vital Learning Recruitment/Retention Screening Test Program	1.0
Continuing Education Distance Learning	1.0
Naval Sea Cadet Corps	1.7
Naval Junior ROTC Marine Science Research Program	1.0

Stainless Steel Sanitary Spaces	3.0
Knowledge Management and Decision support System	6.0
RFID	1.0
Active Data-Rich RFID AIT for Navy In-Transit Visibility Infrastructure	1.5
Local Situational Assessment Segment, NAS Lemoore	3.0
Navy Integrated Security System (NISS)	3.4
Modular General Purpose Tent System (MGPTS)	1.8
Range Enhancements for JNTC MOUT Facility at Twentynine Palms (CA)	13.0
NATO 9T AGM Batteries	1.9
Pulse Technology– USMC Battery Management Program	1.0
Defense Motor Vehicle Safety Demonstration Program	1.0
MARFORPAC BOS	8.5
Albany Sewer Line Replacement	1.0

OPERATIONS & MAINTENANCE AIRFORCE

Maintain 52 F-117 Aircraft	7.9
Forward Osmosis Water Filtration Devices	1.0
F-15E Oxygen Concentrator Reliability Improvement Program	1.0
B-52 Attrition Reserve	25.0
Oxygen Repair Facility	.600
Rack Mounted Improved AIS	3.9
Relational Extraction Server	.475
Aircraft Defect Detection and Performance Application	.500
Fairchild AFB Force Protection Rail Relocation	.500
11 th Air Force Range Power and Fiber Upgrades	5.1
Alaska Land Mobile Radio	3.2
Elmendorf AFB Community Center Enhancements	.700
PACAF IT Consolidation/Storage Area Network	6.9
Andersen AFB Invasive Species Pilot Project	.250
Acquisition of Native Allotment F-14589	2.5
Force Protection - Ellsworth AFB	.500
Building 9480 Renovation	13.5
COPE THUNDER Facilities Renovation	6.0
Eielson AFB Utilidor Repairs	8.5
Engineering and Environmental Assessment for Stryker Railroad Extension	14.0
PARC Upgrade - ACTS Ranges Phase 2	8.5
Sooner Drop Zone Extension	.600
University Partnership for Operational Support	2.6
Contaminant Air Processing System (CAPS)	1.4
Management Support for Air Force Battle Labs	4.3
Maintenance and Upkeep of Rocket Engine Test Stands at Edwards AFB	3.0
Repair Jump Tower at Kirtland AFB	.600
Scot Joint Combined Aircrew System Tester (JCAST)	2.0
Active Noise Reduction Heads	1.0
Pavement Equipment Operator Course Consolidation Whiteman Air Force Base	1.9

National Airborne Operations Center (NAOC)	.700
AWACS Communications Training	1.0
Geospatial Distant Learning and Higher Education Development	1.0
Simulation Training for WMD Emergency Response Programs	1.0
Center of Excellence for Learning Technology	1.0
Online Technology Training Program McChord AFB	1.0
Online Technology Training Program Nellis AFB	1.0
Online Technology Training Program MacDill AFB	2.0
Hickman AFB Alternative Fuel Vehicle Program	3.4
Engine Health Management Data Repository Center	1.7
Wright-Patterson AFB Civil Engineering Critical Infrastructure Data Set Development	1.0
Joint Personnel Recovery Agency	1.4
Demonstration Project for Contractors Employing Persons with Disabilities	1.0
William Lehman Aviation Center	.750
Defense Installation Spatial Data Infrastructure (DISDI)	5.1

Operation and Maintenance, Defense-Wide

Completion of Knowledge Superiority for Transitional Warfighter	1.0
Joint Advertising Market Research and Studies Program	10.0
Continuing Education	1.5
NDU Integrated Strategic Education	1.0
Joint Staff Infrastructure	1.2
Commissioned Officer Education Assistance	1.0
Outdoor Odyssey	.500
Innovative Readiness Training	8.5
National Guard Youth Challenge Program	7.2
Operation Walking Shield Program	3.0
Transaction Monitoring Improvement Project	1.0
Passive RFID Prototype Project	1.0
Commercial Technologies for maintenance Activities	12.750
Alaska Logistics Center	7.650
Procurement Technical Assistance Cooperative Agreement Program	7.403
RFID	3.5
Family Advocacy Program	17.0
Office of Victims Advocate	1.8
Professional Development Project - Instruction for Dyslexic Students	1.0
Lewis Center for Educational Research	2.550
Internet Safety and Education	1.0
DoDEA Facilities SRM	12.750
DoDEA Mathematics and Technology Teachers Development	1.0
Export Control Database	1.3
Match Joint Powers Authority - Arnold Heights Reuse Project	1.5
Dauids Island - Fort Slocum Remediation	2.6
McClellan AFB - Sewer Remediation	2.0

Bayonne Military Ocean Terminal	5.0
Cecil Field	1.0
Hunters Point Naval Shipyard	2.250
Norton AFB	4.250
George AFB	1.7
Adak Airport Operations Improvements	3.4
Fort Benjamin Harrison Relocation Project	2.0
Port of Anchorage Army Deployment Staging Area	5.0
Port of Anchorage Intermodal Marine Facility Project	7.375
UCHSC-DCH Fitzsimmons Medical Center	6.5
Program for Citizen-Soldier Support	1.8
Thorium/Magnesium Excavation - Blue Island	.500
Study on Internet and Wireless Technology	1.0
Middle East Regional Security Program	1.250
National Strategic Seaport Model	1.5
Military Leadership and Rule of Law Program	1.0
National Dedicated Fiber Optic Network Program	1.0
Center for Foreign Language Study	1.0
Command Information Superiority Architectures	1.0
Clinic for Legal Assistance to Service Member	.750
Information Technology Organizational Composition Project	1.3
Norm Mineta Internship Immersion Program	2.550
Asia Pacific Regional Initiative	14.0
Beyond Goldwater-Nichols Study	1.0
Foreign Disclosure On-Line Training, Education and Certification	.500
DoD Center for Child Protection	.500
Impact Aid	30.0
Impact Aid for Children with Disabilities	5.0

OPERATIONS AND MAINTENANCE ARMY RESERVE

Division Forces/Extended Cold Weather	2.3
All Terrain Military Utility Vehicles	5.0
Controlled Humidity Protection	3.4
Army Reserve IT Consolidation	1.1

OPERATIONS AND MAINTENANCE NAVY RESERVE

Combat Support Forces/Gulf Coast Littoral	
Surveillance System	4.6

OPERATION AND MAINTENANCE AIR FORCE RESERVE

932 nd Airlift Wing Operations and Training	8.3
932 nd Airlift Wing Site Activation	16.6
932 nd Airlift Wing Technicians	5.8

OPERATIONS AND MAINTENANCE ARMY NATIONAL GUARD

Base Operations Support/Communicator-Automated Emergency Notification System	2.2
Miscellaneous Activities/WMD-Civil Support Teams	9.8
Staff Management/Base Wide Protection and Facilities Monitoring System	4.8
Staff Management/CBRA	1.0
Staff Management/Civil Support Team Trainer	2.0
Staff Management/Lewis and Clark Bicentennial Commemoration Support	0.6
Information Management/Information Operations Training and Operations	2.8
Information Management/Readiness and Regional Technology Enhancements	1.0
Information Management/Real-Time Security Program	1.7
Angel Gate Academy	2.0
National Emergency and Disaster Information System	3.0
Joint Training and Experimentation Program	4.3
Rural Access to Broadband Technology	3.4
National Guard Global Education Project	5.0
National Response Center WMD Facility	3.0
Adv Emergy Medical Response Training Program	1.3
Homeland Operational Planning System	6.8
Advanced Information Technology Services (C4ISR)	1.0
National Guard Motor Pool Parts Tracking System	1.7
ERP for Army Guard Installations	1.0
Regional Geospatial Service Center	1.0
AVCRAD Replacement Equipment	1.5
Community Emergency Response/Info Analysis Center	1.7
Tactical Operations Center (ELAMS/MECCS)	1.3
Strategic Biodefense Initiative	8.5
Advanced Starting Systems	0.5
Infantry Helmet Liner Retrofit (BLISS Kit)	2.2
District of Columbia NG Tuition Assistance	0.2
Asset Consolidation and Decision-Making Technology	1.2
OPERATION AND MAINTENANCE AIR NATIONAL GUARD	
Mission Support Operations/Surveying Systems	1.0
Mission Support Operations/166th Information Operations Squadron	1.0
Mission Support Operations/Extended Cold Weather Clothing System	1.7
Mission Support Operations/Information Assurance Activities	2.1
Mission Support Operations/Regional Geospatial Service	3.1
Base Support/IT Consolidation/Storage Area Network	3.3
Depot Maintenance/Transfer from active duty	78.8
National Guard State Partnership Program	1.0
IT Consolidation	1.1
LRC 21 Laptop Mission Trainers	1.1
AATTC Mobility Equipment and Training	0.5
Senior Scout Mission	1.2
Automatic Flight Following System	1.7
District of Columbia NG Tuition Assistance	0.2

PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS

PGU-28 AVB, 20 mm ammunition	7.0
FLU-12/P life vest inflator	3.4
Anti-Personnel Obstacle Breaching System (APOBS)	4.5
M720A1 60mm HE Mortar Ammunition with MOF Fuze	2.0
Cartridge, Mortar, 81mm, M853A1	1.0

SHIPBUILDING AND CONVERSION, NAVY

DD(X) (AP)	
Initial funding for second DD(X)	84.4
Outfitting - ARGOS Scheduling System	2.0
Service Craft - Aft ramp range retriever craft new vessel	4.8

Other Procurement, Navy

CVN propeller replacement program	4.9
Virginia Class Support Equipment - Shipboard wireless mobile computing environment initiated under SBIR N99-106	2.1
Submarine common electronics equipment replacement (Q-70)	8.5
AEGIS support equipment - Frigate modernization	1.0
Carrier smart ship weapons elevator automation	3.4
Wireless network capable application processors	4.2
Integrated Condition Assessment System	2.4
Fuel Catalyst	1.5
Fuel and Engine Maintenance Savings System	2.0
Procurement of 25-person life rafts	2.0
IPDE Enhancement and PDM interoperability	2.8
AN/SPQ-9B shipboard radar transmitter upgrade	5.0
AN/SPQ-9B radar procurement of additional radars	3.0
AN/SPS-67 radar improvement backfit kits	11.2
AN/SPS-67 radar obsolescence availability recovery	6.8
Radar display repeater technology refresh kits	1.7
SPS-73 surface search radar	3.4
AN/SQQ-89 modernization	11.1
Submarine technology insertion SBIR	3.4
Common Depth Sounder	2.0
Distributed Engineering Center for Torpedo Defense	2.6
Surface sonar windows and domes	2.5
AN/SLQ-25A torpedo countermeasure set upgrades	8.5
AN/BLQ-10 radar narrow band ESM technology refresh	7.0
ACDS/SSDS technology refresh for LHA 2/4	2.5
ACDS/SSDS hardware for Dam Neck and Wallops Island	6.8

Fleet peripheral equipment fielding			3.4
Planar array antenna assembly backfit			10.0
Q-70 based IT-21 servers			4.3
Mine countermeasures sea bottom mapping project			1.7
Tactical Radio Frequency Environment Monitor		1.0	
RADIAC electronic personal dosimeters		3.4	
GPETE Allen Telescope Array			1.5
Ship Communications Automation			
SPAWAR FORCEnet Integrated Data Center			1.0
Bandwidth Monitor and Control			1.0
Submarine high data rate antenna program		5.0	
Carrier Peir Delta Shore Power Upgrade			1.5
JEDMICS PACOM Agile Coalition Environment			6.4
Navy Intelligent Agent Security Module			2.5
Multi-spectral threat emitter system for east coast training ranges			2.5
Smart Target Threats for Southern California Offshore Range		1.5	
Joint Threat Emitter			2.3
PMRF Equipment			4.3
MBU-23/P oxygen mask and visor			2.6
Multi-climate Protection System			3.5
Joint Technical Data Integration/ Automated Maintenance Equip			7.0
AN-AQS-20 Minehunting Sonar			1.5
AN/SRQ-4 LAMPS MK III			4.3
Naval Aviation Interoperability Lamps MKIII			1.0
Joint Aviation Logistics Technical Data Integration		4.3	
Gulf Coast Joint Harbor Operations Center			
Naval Fires Control System			1.0
RAM GMLS Phalanx SeaRAM			4.0
Aegis Support Equipment			
All-in-one wireless access points			4.2
AEGIS Storage Area Network System			1.1
Data Extraction and Switching system enhancement for AEGIS Virginia land based test sites			1.5
MK 32 Surface Vessel Torpedo Tubes Manufacture		6.4	
SCOUT High Pressure Air System			3.3
Shipboard Non-tactical Application Delivery Interface System			3.5
Performance-centric Mission Essential Content Delivery		1.0	
INTERLOCKS development tool			3.0
SEABEE Construction equipment			3.4
Earth Moving Equipment– USN Construction Units		6.0	
Procurement of Addtl Fire Trucks for Naval District of Washington			1.1

Medium Tactical Vehicle Replacement		20.1
NIROP Industrial Facilities Materials Staging Area	1.0	
Laser marksmanship training system:		6.8
Man overboard identification system:		7.0
Technical data knowledge management system:		2.5
MSG and MCWG body armor:		2.6
Sea Fox remote controlled surface vessel:		2.3

MARINE CORPS PROCUREMENT

Howitzer Ground forces recapitalization:		52
M9 Pistol modernization through spares:		1.9
USMC Hitchhiker:		3.4
Baseline combat operations center:		1.5
Global Combat support system logistics modernization:		3.9
Digitization of technical and operations manuals:		6.4
USMC terrain analysis and production:		1.0
Communication switching and control systems:		4.3
USMC communications support:		6.9
Nitrile rubber collapsible storage units:		3.3
Transportable liquid storage/dispensing system:		1.7
Marine Corps 2kW generators:		1.0
Portable rapid IV infusion pump:		1.5
Portable low-power blood cooling and storage:		1.1
Individual water purification program:		1.0
Combat casualty care equipment:		1.8
Marine Corps Live Fire Training Range Improvements:		2.0
Range enhancements at 29 Palms:		29.8
Common range instrumentation system:		1.0
Ultimate building machine:		1.8
Ultra high intensity miniature illumination system:		3.0

AIR FORCE, AIRCRAFT PROCUREMENT

Advance procurement for the F-15:		110.0
Full funding for 15 C-17 aircraft:		158.0
C-17 maintenance training system:		34.0
New training aircraft:	0.9	
Predator UAV:		30.0
B-52 attrition reserve:		20.3
Modification of 10 F-117 aircraft:		9.8
F-15 ALQ-135 Band 1.5 jammers:		7.0
IFF for 125 th F-15 ANG Fighter Wing:		4.3
F-100 E-Kits modifications for the National Guard:	14.0	
F-15 air to air interrogator:		4.1
F-16 block 42 re-engining program:		21.0
F-16 slimline V on-board oxygen generation system:		5.6
C-9 Hushkits:	6.0	

Command HC-130 fleet:	3.0
ASAR for 109 th LC-130:	2.0
MAFFS for Western States Fire Fighting:	12.0
Senior Scout intelligent communications exploitation:	3.3
Senior Scout - Directional finding and location upgrades:	4.9
Senior Scout - ANG Boise, Idaho:	1.4
APN - 241 Radar ANG C-13-H2:	6.6
T56-A-15 Engine Upgrades for the C-130E:	1.5
C-135 Improved waste removal system:	2.8
C-135 Emergency Vision Assurance System:	0.5
Compass call inboard equipment:	2.5
Compass call SPEAR pods:	6.0
GL-1800 AP Truck mounted aircraft de-icers:	3.3
Nellis combat training range pod upgrade:	2.5

AIR FORCE, MISSILE PROCUREMENT

Safety enhanced reentry vehicle:	7.5
HARM upgrade:	1.7

AIR FORCE, AMMUNITION PROCUREMENT

General purpose bombs, MAU-169H/B program growth:	8.5
Spares and repair parts:	4.2

AIR FORCE, OTHER PROCUREMENT

Truck hydrant fuel:	0.1
Material handling equipment:	7.0
Halversen loaders:	17.0
Air Traffic Control at McEntire Air Base:	1.5
Precision Aerial Delivery System:	1.0
Advanced compression of tactical sensor information:	1.5
Eagle vision:	3.5
Science and Engineering lab data integration:	4.9
ADR Aeronautical System Center:	1.0
Force protection near real time surveillance system:	1.0
Digital network centric remotely operated weapons system:	0.5
UMTE modernization:	2.5
Joint threat emitter for the ANG Alpena combat training range:	7.5
JTE for Poinsett Range:	2.5
Nellis Combat training range pod upgrade:	1.0
Data storage infrastructure and force protection at March AFB:	1.0
Alaska land mobile radio:	10.2
National Range HF sustainment program:	3.5
SCOPE command high frequency communications network:	4.0
Digital deployed training campus fielding program:	2.5
Fixed aircraft standardized seats:	3.1

MA-16 improved inertia reel replacement kits:	1.0
Replacement of parachute canopy releases on ACES II Ejection seats:	1.0
Aircrew laser eye protection:	2.3
MBU-20/P oxygen mask and visor:	1.0
Point of maintenance/combat ammunition system initiative:	6.0
Combat arms training system:	3.0

DEFENSE WIDE PROCUREMENT

AHPCRC– Supercomputer Procurement	6.3
Secure Wireless Cellphones	20.0
Information systems security program vulnerability management	4.3
Global Information Grid	10.2
SOF Rotary Wing Upgrades Infrared Engine Suppression Kits for MH-47	6.0
MH-60 SLEP	94.4
MH-47 SLEP	152.8
EC-130J Fleet Conversion for 193 rd SOW in PA	6.0
Communication Equipment Multi-band, Inter/Intra team radio	4.3
Buster Backpack UAV	1.4
Joint Threat Warning System– Maritime SEID	2.6
Tagging, Tracking and Locating Devices	10.0
Durable Illumination Aiming Laser	3.5
Magnum Universal Night Sight	1.7
Dualband Universal Night Sight	1.7
Universal Night Sight	1.0
Raven Unmanned Aerial Vehicle Systems	7.5
Neptune Unmanned Aerial Vehicle Systems	4.0
M4 Mod Kits (Weapons Shot Counter)	2.3
MK47 Mod 0 Striker	7.0
Light Weight Tactical All Terrain Vehicle	9.0
AN/PVS-21 Low Profile Night Vision Goggles	2.1
Olfactory Signature Reduction Baselaye Garmets	1.4
Only for Digital Intelligence Situation Mapboards	1.0
SOF Universal ID Marking system SOFMARK	1.0
M1/M2 Gunfire/Sniper Detection Systems	5.1
Special Operations Logistics Support Craft	4.6
Tandem Phoenix Bundle Canopy	0.3
Patch Technology to Prevent Leaks	1.0
Hazardous Material Spill Individual Protection Masks	1.0
Chemical Biological Protective Shelter	14.3
Contamination Avoidance Equipment	1.0
M-22 Automatic Chemical Agent Alarm	10.5
WMD-CST Equipment	18.2

DEFENSE PRODUCTION ACT PURCHASES

Photomask	1.7
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Thermal battery industrial base infrastructure	1.7
Military lens system fabrication and assembly	1.7
Beryllium supply industrial base	3.0
Production capacity of T/R modules for radar systems	1.0
Flexible aerogel material supplier initiative	3.5
Read-out Integrated Circuit Manufacturing Improvement	4.0
Affordable Rigid Rod Polymeric Materials Initiative	8.4
POSS nanotechnology engineering scale-up initiative	1.0
Miniature Compressor for Electronics and personal computing	3.8
Carbon foam	0.5
Hydrogen Ion Implementation Equipment	3.5

RESEARCH, DEVELOPMENT, TEST, AND EVALUATION, ARMY

DEFENSE RESEARCH SCIENCES

Advanced Carbon Nanotechnology Program	2.0
Advanced Deployable Nano-Sensors	1.0
Advanced Research and Technology Initiative	2.8
Army Knowledge Management Fusion Center	1.5
Bioterrorists Agents in Military Drinking Water Systems	1.0
Brain Imaging Research	3.9
Center for Advanced Research and Technology (CART)	2.0
Functionally Integrated Reactive Surface Technology Program (FIRST) Program	1.8
Optical Technologies Research	2.1
Perpetually Assailable and Secure Information	
Systems Research, Training and Education (PISIS)	10.0
Prediction of Land-Atmosphere Interactions	1.4
Prometheus Spectrometer	3.5
Technology Commercialization and Management Network	1.7

UNIVERSITY RESEARCH INITIATIVES

Low Temperature Research Center	2.0
Institute of Bioengineering and Nanoscience in Advanced Medicine	1.0
Desert Environmental Research	1.0
Army Force Protection	1.5
Laboratory for Engineered Human Protection	1.0
Basic Research for Infrastructure Protection From Terrorist Attacks	1.0
Center for Advanced Sensors	1.5
Center for Nano-Materials Research	1.0
Center of Excellence – HBCU/MI	2.3
Composite Materials Research	0.8
Electronic Engineering Technology Program	1.0
Eye and Sensor Protection Against Laser Sources	1.0
Info Assurance Research	1.2
Interactive Training tools to promote emergency procedures in high-rise buildings and mitigate	

disasters from attacks, fires, or other threats	1.0
Nanotubes	1.0
National Infotonics research	2.5
National Security Network Testbed	1.0
Next Generation Joining Technology Research Initiative	1.5
NOLES Composite Materials	1.5
Partnership for a Next Generation of Vehicles/TACOM	1.0
Rapidly Deployable Visualization for Training and Simulation in Urban Areas	1.0
Small Trailer Corrosion Prevention Program	0.8
University Based Automotive Research	3.8
FORCE HEALTH PROTECTION	
Biomedical Engineering Initiative	1.5
ALS Therapy Development for Gulf War Research	2.0
Extramural Brain Effects (Low Level Chemical Exposure)	5.0
Gulf War Illness and Chemical Agent Exposure Program	1.0
Rural Health Center for Remote and Medically Under Served Areas	4.3
MATERIALS TECHNOLOGY	
Advanced Materials Processing for Future Combat Systems	7.0
Ballistic Shields Program	1.0
Composite Materials Technology for FCS	2.0
Design and Manufacturing Process Technology for High Performance Nano-composites	1.3
Development of Manufacturing Science for Lightweight Ceramic Armor	1.0
Engineered Surfaces for Weapons Systems Life Extension	2.8
Future Affordable Multi-Utility (FAMU) Materials for the Army FCS	1.8
Future Affordable Multi-Utility Materials	1.0
Materials Joining for Army Weapons Systems	2.6
MEMS Sensors for Rolling Elements Bearings	1.3
Micro-Laminate Ceramic Armor	2.6
Molecular Design of Polymer Nanocomposites	1.2
On-Demand Micro-Electronics Manufacturing and Qualification	2.0
Precision Polishing of Large Optics	3.4
Tactical Armor Manufacturing Technology	2.8
Ultrasonic Consolidation of Metal Matrix Composites	1.0
SENSORS AND ELECTRONIC SURVIVABILITY	
Disposable Sensors for Battlefield and Urban Warfare	1.5
Optical Combat Identification System prototype development and testing	5.0
Portable Chemical-Biological Agent Detection System	1.8
Digital Radio Frequency Tags (DraFT)	4.2
AVIATION TECHNOLOGY	
Composite Small Main Rotor Blades	0.5
Center for Rotorcraft Innovation	2.5

Mono Tiltrotor/Army Rotocraft	1.1
Xenon Light Source for Non-Lethal Deterrence from Small UAVs	1.0
EW TECHNOLOGY	
Biometric Signatures Research	1.2
Subterranean Target Identification Program	1.0
MISSILE TECHNOLOGY	
Agile MEMS/Nano-Technology for Wireless Security & Defense Applications	1.0
MARIAH II Hypersonic Wind Tunnel Development Program	10.5
Microelectromechanical Systems (MEMS) and Nanotechnology	2.8
Unmanned Systems Initiatives at AMRDEC	7.0
Hypersonic Army Missile Technology	15.0
Maneuver Air Defense System (MADS)	1.4
LENS X Hypervelocity Ground Testing	2.5
ADVANCED WEAPONS TECHNOLOGY	
Rapid Target Acquisition and Tracking System (RTATS)	6.5
Army Missile and Space Technology Initiative	3.3
ADVANCED CONCEPTS AND SIMULATION	
Joint Unmanned Systems Test and Research (JOUSTER)	5.1
COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY	
Affordable, Low Temperature, High Performance	
Advanced Rechargeable Stored Energy Device Technologies for Future Army Combat Hybrid Electric Vehicles	1.0
Advanced Vehicle Life Consumption and Maintenance Prognostics System	1.0
Army Trailer Technology Insertion (TTI)	2.6
CALSTART Defense Advanced Transportation Technology Program	1.0
Compact Pulsed Power for Defense Applications	1.0
Distributed Transportable Synthetic Fuel Manufacturing Modules	1.5
Flexible JP-8 (Single Battlefield Fuel) Pilot Program Phase III	4.5
Future Hybrid Vehicle Systems	1.5
Light Utility Vehicle	2.3
Military Wheeled Vehicle Electronic Architecture Integration	2.6
Mobile Thermal Perimeter Surveillance System	1.0
Multipurpose Utility Vehicle - Reconfigurable	1.4
Nano-Engineered Materials for High Performance Armor	4.0
Rapid Prototyping	1.5
SmarTruck	4.3
Stoichiometric Explosive Detector System	1.0
The Center for Tribology and Coatings	1.5
Unmanned Vehicles Surveillance and Sensor System	1.0
Wireless Sensors for Vehicle Maintenance	1.0

BALLISTICS TECHNOLOGY	
Guardian Angel	1.0
Advanced Tungsten Penetrators and Ballistic Materials	2.2
Structural Reliability of Electronic Components for Munitions & Lt Wt Structures	2.1
CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY	
Biotechnology Education Initiative	1.0
Rapid Response Deployable Vaporous Hydrogen Peroxide Bio-Chem	3.6
JOINT SERVICE SMALL ARMS PROGRAM	
New Metal Coating Technology for Greaseless Weapons	2.8
Anti-Material Sniper Rifle (AMSR)	3.3
WEAPONS AND MUNITIONS TECHNOLOGY	
Acoustic Counter Battery System (ACBS)	2.6
Active Coatings Technology	2.1
Advanced Integrated Digital Camera Rifle Scope (ADCRS)	1.0
Advanced Technology Lightweight Armament System-Rarefaction Wave Gun	1.0
Alloy Tungsten Armor Piercing Ammunition	2.1
Amorphous Metal Manufacturing Technology for Military Applications	1.0
Applied Research Integration	1.8
Applied Research Program for Advanced Materials and Processes for Armament Structures Program	4.0
Armament Systems Engineering and Integration Initiative (ASEI2)	4.2
Armament Systems Info Assurance	2.1
Army Excellence in Acoustics research	3.5
Army Welding Deployment Initiative	1.0
Deep Digger	1.0
Dynamic Pulse Detonation	1.0
Electroconversion of Energetic Materials	2.5
Generation 2 Warhead	1.1
Green Armaments Technology Initiative (GAT)	3.5
Hazardous Materials Management and Technology Development	1.0
Less than Lethal and Layered Protection Systems	2.0
Perimeter Defense Technologies	2.2
Polymer Cased Ammunition – 5.56mm	1.0
RangeSafe Technology Demonstration Initiative	3.0
Research Authority Active Coatings Technology (ACT) Program	1.0
Scram-jet Powered Munitions for Future Combat System	1.0
Seamless Data to Display	3.5
System of Systems Security Integration Initiative	4.0
Strategic Materials/Strategic Manufacturing Initiative (SM2i)	2.3
ELECTRONICS AND ELECTRONIC DEVICES	
Advanced Power Component Technologies	1.0
Advanced High-Energy Rechargeable Lithium Air Battery	2.0

Advanced Simplified Hybrid Fuel Cell/LiON Battery		
Program for the Objective Force Warrior		1.0
Battery Returns in Error Advanced Vehicle Battery Management Program (Phase II)		1.0
CFX Electrochemical Systems for Safe Soldier Power		1.0
Conformal Lithium Ion Polymer Belt Battery		1.0
Cylindrical Zinc Air Battery for Future Soldier Communications System		1.0
Direct Diode Electro-Optical Source		5.5
Dry Polymer Electrolyte Development for Safe Soldier		3.2
E-Beam Reticle and Lighography Inspection	6.4	
Flexible Display Initiative: High performance displays for Military applications		5.6
High Power Solid State Lasers		1.0
Integrated Methanol Fuel Cell/Reformer		1.0
JP-8 Soldier Fuel Cell	1.0	
Liquid Silicone Lithium Rechargeable Battery		1.5
Lithium Metal Air Battery		0.8
Low Cost Power Generation Platforms and Electric Power Control Hybrid Vehicles		1.7
Metal Oxide Cathode - 1.5 Volt Alkaline		1.3
Nanofluidic Electronic Sensor Technologies for Defense Applications		1.5
Novel Zinc Air Power Sources for Military Application		1.0
ONAMI Miniature Tactical Energy Systems Development		2.5
PEM Fuel Cell Quiet Tactical Generators		1.0
Portable Reforming on the Battlefield		1.0
Rapid Recharge, lithium-ion battery pack		2.6
Rechargeable cylindrical cell systems - lithium-ion nickel metal hydride		1.5
Ring extruder		2.5
Software defined radio communications interoperability initiative		1.5
Soldier fuel cell system		1.1
Soldier Portable Fuel Cell Power		2.5
State of Charge battery life indicator		1.6
Transcritical CO2 environmental control unit		3.6
Weapons of mass destruction marking set		1.7
NIGHT VISION TECHNOLOGY		
Miniature Sensors for Small and Tactical Unmanned Aerial Vehicles		1.0
Enhanced micro-image display technology		1.0
Third generation focal plane array (FPA) for army target acquisition		2.5
COUNTERMINE SYSTEMS		
Polymer based landmine detection		4.0
HUMAN FACTORS ENGINEERING TECHNOLOGY MANPRINT		4.2
ENVIRONMENTAL QUALITY TECHNOLOGY		
Hawthorne Army Depot		5.0

Biological/chemical materials environmental modeling	1.1
COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY	
Portable flexible communication display device	2.0
Enhanced wireless digital communications for urban first responders	6.0
All digital transceiver (ADT) development	1.5
MILITARY ENGINEERING TECHNOLOGY	
Distribute Transportable synthetic fuel manufacturing modules	1.0
Modeling and analysis of the response of structures	1.0
University partnership for operational support	2.6
LOGISTICS TECHNOLOGY	
Advanced Antimicrobial technology	1.5
Advanced Inflatable Maintenance shelter (AIMS) Test and evaluation	1.7
Field Evaluation and manufacturing improvements on flexible monolithically integrated solar panels	1.0
Flexible Monolithically integrated solar panels on a polymer substrate	2.2
Improved shelf-life in fresh fruits and vegetables	3.3
Integrated, unbreakable, flexible visible and infrared lighting surfaces	2.5
NBC Integrated protection membrane-shelters	3.9
Next Generation Chemical/Biological Agent Protective	1.3
Self-Decontaminating Selectively Permeable Membranes	2.5
Smart Apparel for Warriors	1.0
Soldier Systems Center	1.0
Special Operations Precision Airdrop Technology	1.0
Supplemental body armor research	5.3
US Army research on advanced structures and composites in construction	4.5
Warfighter technology	2.2
MEDICAL TECHNOLOGY	
Bioactive Products Program for Breast Cancer	1.0
Biomedical strategies for the prevention, treatment, assessment and predictions of the health effects of ionizing radiation	1.0
Bone Health and Military Medical Readiness	1.0
Center for Advanced Surgical and Interventional Technology	1.0
Chitosan Hemorrhage Control Dressing	3.5
Chronic Wounds (Non-Healing)Research	1.0
Clinical Trials using a Piezoelectric Dry Powder Inhalation Device	4.0
Collaborative Program in Rehabilitation and Engineering Research	1.0
Comprehensive Reproductive System Care Program	11.9
Dermal phase meter	1.0
Diabetes research Project	6.0
Diagnostics in Traumatic Brain Injury-Blood Based	3.0
Elgen Gene Delivery Technology	1.0
Enhanced Research in Trauma Prevention, Treatment and Rehabilitation	2.0

Gynecological Cancer Center	2.1	
High-Speed MEMS Electromagnetic Cell Sorter		1.5
Improving Soldier Performance		1.8
Maternal-Fetal Health Informatics and Outreach Program		1.0
Medical Area Network for Virtual Technology (MANVT)		5.1
Molecular and Clinical-Based Comprehensive Cardiac Care (Integrative Cardiac Health Program)	5.1	
Molecular Genetics and Musculoskeletal Research Program	11.5	
Nanofabricated Bioartificial Kidney		1.9
Neutron Therapy		0.9
Non-Invasive Medical Sensors		1.0
Preventive Medicine Research Institute		1.5
Protein Hydrogel		1.0
Synchrotron-Based Scanning Research		8.5
Rapid Identification of Biological Agents		1.0
Sleep deprivation Research at WRAMC		3.5
Spinal Muscular Atrophy Research Program		2.3
Targeted Nano-Therapeutics for Advanced Breast and Prostate Cancers		1.0
Texas Training and Technology for Trauma and Terrorism (T5)		11.0
Tissue Replacement and Repair for Battlefield Injuries		4.0
Transportable Pathogen Reduction & Blood Safety System		2.0
Veterinary Manpower Development		0.3
Combat Casualty Care for Battlefield Wounds		2.3
Reserve Component Medical Skills Readiness Training		1.5
Comprehensive Bioactive Products Program for Breast Cancer		1.0
Automated Medical Emergency Intravascular Access (AuthCath)		1.0
Shock Trauma Research		2.1
International Rehabilitation Network	5.0	
Military Biomaterials Research (CEMBR)		2.5
Computational Proteomics		2.6
HSDI		4.3
WARFIGHTER ADVANCED TECHNOLOGY		
Common Navigation Interface Unit (CNIU) for Joint Precision Aerial Delivery System (JPADS)		2.6
Joint Precision Airdrop Systems (JPADS) - Rapid Fielding of 2K lb Resupply Requirements		1.5
Antimicrobial/medical base layer garment technology		1.0
Electro-textiles		0.5
Ration packaging materials and systems for meals-ready-to-eat		5.1
Multifunctional protective packaging technology		2.6
Integrated headgear		1.0
MEDICAL ADVANCED TECHNOLOGY		
Advance of non-invasive glucose monitoring		1.0
Advanced image-processing techniques for biomedical informatics		1.0

Advanced proteomics	1.5
Advances in breast cancer care therapy	1.3
Angiogenesis and tissue engineering research	1.0
Battlefield respirator and ventilator (BRAV)	1.9
Biology, Education, Screening, Chemoprevention and Treatment, (BESCT) Lung Cancer Research Program (MDACC)	9.5
Blood safety and decontamination technology	4.8
Brain, biology and machine	3.0
Cancer vaccine	3.4
Center for Integration of medicine and innovative technology	12.0
Center for proteomics and nanotechnologies	4.3
Collaborative in advanced emergency medical response with the Army Guard	2.5
Compact, lightweight, full-featured patient monitor with defibrillator	1.5
Comparative functional genomics and computational sequencing: Novel Genetic Targets	2.6
Diagnostic and therapeutic cancer care equipment	7.5
Emergency eye care program	1.0
Genomic medicine project and gene therapy	3.4
Gynecologic Disease program	4.3
Hands free electronic health record	1.0
Institute for research and education	3.8
Joint US-Norwegian telemedicine program	1.8
Joslin Diabetes	5.0
Mapping the Human brain for combat trauma research	1.8
Medical enterprise management for the US Army	1.0
Medical Training technology enhancement initiative	1.0
MedVizer Secure telemedicine program	1.0
Military Low vision research	2.0
Military Surgeon training initiative	1.0
Minimally invasive approaches to surgery	2.1
Minimally invasive surgery modeling and simulation	1.5
National functional genomics center	8.5
Neurofibromatosis Research Program (NF)	25.0
Neurology Galio Center - Alcoholism Research	3.8
Neurotoxin Exposure treatment research program (NETRP) Parkinsons & neurological disorders	26.0
Operating Room of the Future	4.0
Orphan disease drug discovery program	2.0
Pain Management Initiative	6.0
Pediatric Brain Tumor and neurological disease program	1.5
Picture Archiving and communications system (PACS)	1.4
Plasma Sterilizer	1.4
Project collaboration	1.0
Prostate cancer research - Gallo Center	1.0
PROPHET for Combat casualty care	0.5
Proton Beam Therapy	10.2
Rare Blood Program	1.0

SEAtreat		3.0
SuperQR Powder Development		1.0
Surgical wound disinfection and biological agents Contamination project		1.4
Technologies for Metabolic Monitoring		2.6
Universal Medical and surgical product catalog		2.5
Universal Vaccine Development for Bioterrorism		1.0
Untethered Healthcare Program		4.0
Mobile I.V. System		2.6
Advanced clinical education institute/surgery interactive system		1.0
Comprehensive Medical Imaging research		6.9
National Bioterrorism Civilian Medical Response (CIMERC)		1.4
Center for Prostate Disease Research (WRAMC)		4.3
National Tissue Engineering Center		2.5
Medical Modeling and Simulation through Synthetic Digital Genes	1.5	
Fort Detrick Technology Transfer Initiative		1.0
Fibrinogen Bandages for Battlefield Wounds	3.5	
Pennington Biomedical		2.6
SEAmEd Oral Health Project		1.9
Human Polymerized Pyridoxilated Hemoglobin-Based Oxygen Carriers		1.4
Accelerated Diagnosis-Digital Imaging Pattern Recognition		2.8
Study of Human Operator Performance (C-SHOP)		2.5
Light Based Self Treatment for Pseudofolliculitis Barbae (PFB)		1.5
Soldier-mounted eye-tracking and control systems		1.5
Vascular graft research for combat settings		1.8
Malaria Prevention, Treatment, & Diagnosis	7.5	
Weight Measurements and Standards for Military Personnel		1.9
Extra Corporeal membrane oxygenation at Tripler		6.0
Tripler Army Medical Center ElCU remote critical Care		4.0
AVIATION ADVANCED TECHNOLOGY		
Locust USA Heavy Fuel Burning Engines for UAVs		3.0
Process Technologies for replacement parts production		6.0
Wideband network enhancement for joint ground force interoperability		4.3
Excalibur Tact UCAV	6.0	
Reconfigurable Tooling Systems		1.3
Wiring Traceout for Joint Aviation Technical Data Integration		1.3
UAV and Micro Air Vehicle Dynamometer		4.9
VTDP Compound Helicopter Technology Flight Demonstration		3.9
WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY		
Rapid Prototyping for special projects		5.6
Development mission integration		1.4
Micro-electromechanical systems reliability assessment program		1.0
Technology Demonstration for the prevention of Material Degradation		2.2
Future Laser Neutralization System (LNS)		1.0
Electromagnetic Gun Initiative		1.0

Tungsten Penetrator	2.8
Main Rotor and Anti-Torque Blade Erosion Resistant Ceramic Coating	2.5
Compressor Blades Wear-resistant Ceramic Coating	2.1

COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY

Advanced Army Modular Composite Bridge	5.6
Advanced Power Trains and Intelligent Control Systems for M-Gators	1.4
Advanced Thermal Management System	2.6
All Composite Military Vehicle	4.5
Aluminum Lightweight Structures Initiative (ALSI)	5.1
Army Lightweight Structures Initiative	2.8
Battery Charging Technology	1.0
CAV Technology Transition	3.5
Combat Vehicle Research	4.3
Development of Logistical Fuel Processors to Meet Army TARDEC and TACOM Needs	3.0
Digital Humans and Virtual Reality	1.0
Electrochromic Material Windows	2.0
Fastening and Joining Research	1.5
FREEDOM Software Environment	1.0
High Strength, Powder Metal Gears for Vehicle Transmissions	1.0
IMPACT-Concept Modeling Tool Suite Development/Sensitivity Analysis for Military Trucks (CMTSD/SAMT)	1.0
Innovative Materials for Infrastructure Security	2.2
International Commercially Based Logistical Support Trucks	2.1
In-Theater Systems Development	2.5
Military Vehicle Technologies	2.8
Modular logistics transport technology	1.0
N-STEP Enable Manufacturing Cell for FCS	3.3
Opposed Piston, Opposed Cylinder (OPOC) Engine for use in an Auxiliary Power Unit (APU)	1.0
Pacific Rim Corrosion Research Program	1.7
Rapid Optimization of Commercial Knowledge (ROCK) Program	3.5
Rapid Prototyping TACOM-UMD	1.5
Rotary, Multi-Fuel, Auxiliary Power Unit (RMF-FPU)	2.1
Secure Pervasive Computing (PvC) for Advanced Combat Vehicles	3.5
UAV Weaponization	1.0
US Army Hybrid Vehicle Test and Maintenance Infrastructure	4.3
Virtual Systems Integration Lab	1.0

MANPOWER, PERSONNEL, AND TRAINING ADVANCED TECHNOLOGY

Battle Command

ELECTRONIC WARFARE ADVANCED TECHNOLOGY

Applied Communications and Information Networking (ACIN) Program	11.0
Portable and Mobile Emergency Broadband System	2.0
Networking Environment for C3 Mobile Services (NECMS) facility	5.6
NEXT GENERATION TRAINING & SIMULATION SYSTEMS	
Combat Trauma Patient Simulator System	1.5
Institute for Creative Technologies-joint fires and effects training system	2.5
CAVE Automatic Virtual Environment	6.0
EXPLOSIVES DEMILITARIZATION TECHNOLOGY	
Sierra Army Depot Cryofracture/Plasma Arc Demilitarization Program	4.5
Thin Layer Chromatography	2.1
MILITARY HIV RESEARCH	
Test, Treatment and Preventive Vaccines	7.5
COMBATING TERRORISM TECHNOLOGY DEVELOPMENT	
Advanced Mobile Micro Grid Program	5.0
EW TECHNOLOGY	
US Army Tactical ELINT for Ground Maneuver Forces	3.9
Multifunctional Intelligence and Remote Sensor System Advanced Technology	1.0
Portable Level I Fusion Tool Set	3.0
Aerial Canopy Sensor Delivery System (ACSDS)	1.5
Ground Combat Vehicle Laser Warning	1.0
Shortstop Electronic Protection System	2.5
MISSILE AND ROCKET ADVANCED TECHNOLOGY	
Volumetrically Controlled Manufacturing	1.0
Multi-Controlled UAV Plug-n-Play Sensor	0.9
Persistent Protective Surveillance for the Survivability of Rotary Wing Aircraft	1.8
Micro-Factories for Precision Parts Program	1.0
Smart Energetics Architecture for Missile Systems	1.0
Compact Kinetic Energy Missile (CKEM) Stabilized Mobile Launcher	1.0
Waterside Wide Area Tactical Coverage & Homing (WaterWATCH)	1.8
Long-Range Aviation Missile (LRAM)	1.2
Warfighter Protection and Homeland Security Lab	4.8
Missile Simulation Technology	7.7
LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY	
SCANJACK Mine Clearing System	1.0
EDIT Advanced Landmine Detection	1.4
Forward Looking Synthetic Aperture Stepped-Frequency Ground Penetrating RADAR (FLGPSAR)	3.0
Landmine Detection System using Terahertz Radiation	1.5
Light-Weight Rapidly Deployable Modular Hardened Shelters	2.5

JOINT SERVICE SMALL ARMS PROGRAM	
Advanced Demining Technology	4.1
NIGHT VISION ADVANCED TECHNOLOGY	
Buster Backpack UAV	12.5
Advanced Passive Millimeter Wave Imager	4.2
Camera Assisted Monitoring System (CAMS)	1.5
Cerberus Sensor Suite Program-K70	2.0
Cost Effective Targeting System (CETS)	2.4
IED locating low-cost, long-endurance UAVs	3.3
MCAD for TUAU	1.4
Multi-Color, Multi-Function Focal Plane Array for Targeting and Fire Control	1.0
Night Vision Advanced Technology (NAS Project)	5.0
Night Vision Fusion Research and Development	6.0
Personal Miniature Thermal Vision System	1.5
Sensor Technology for Force Protection	9.4
Soldier Mobility and Rifle Targeting System (SMaRTS)	1.0
Virtual Event Perimeter (VEP) Digital Video Surveillance Program	1.0
Warfighter/Firefighter Position, Location, and Tracking (PLT) Sensor	2.8
Wire Detection and Obstacle Avoidance for helicopters	1.4
ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS	
Ft. Ord Lead Based Paint and Wood Recycling Initiative	3.0
Commercialization of Technologies to Lower Defense Costs	1.1
MILITARY ENGINEERING ADVANCED TECHNOLOGY	
1 Megawatt Molten Carbonate Fuel Cell Demonstrator	1.5
Mobile Transformers and Mobile Substations	1.0
Defense Application of Stationary Carbonate Fuel Cells	2.0
Ramgen/Fuel Cell Hybrid System	4.3
US Army Advanced Structures and Composites in Construction research	2.5
Solid Oxide Fuel Cell (SOFC) Development for Defense Applications	3.5
Battlefield Production of Hydrogen for Fuel Cell Vehicles	1.0
Defense Applications for Thermo-Electric Power Generation Devices	1.0
ADVANCED TACTICAL COMPUTER SCIENCE AND SENS TECHNOLOGY	
Dominant Military Operations on Urbanized Terrain (MOUT) Viewer (DMV)	1.3
ASAS Light RDTE Development	1.0
Distributed Scalable C2 Communication System	1.0
MVMNT Program for Simulation Based Operation	1.0
Digital Array Radar Technology Development	1.0
Weather Intelligence Sensor System	1.0
Blast and Damage Assessment Risk Analysis and Mitigation Application (BADARAMA)	1.7
PING Wideband FR Target ID System	2.2

Radar Tags	3.4
LCMR-Capabilities Enhancement (LCMR-CE)	2.5
ARMY MISSILE DEFENSE SYSTEMS INTEGRATION	
Advanced Battery Technology	2.6
Advanced Laser Electric Power (ALEP) Program	1.5
Advanced Strap-Down Seeker (ASDS)	3.5
Anti-Stealth Research-Passive Surveillance System	1.4
Ballute Technology Development	1.0
Carbon Foam, Missile Defense Agency	3.0
Composite Chassis	1.0
Credible Threat Prediction Capability Development	2.4
DESS-Dielectric Enhanced Sensor System	1.4
Eagle Eyes Nuclear Detection Program	1.0
Global Infrasound Monitoring of the Atmosphere	1.4
Integrated Composite Airframe Structure Program	2.5
Low Cost Avionics	1.0
Mobile Tactical High Energy Laser (MTHHEL)	8.0
Modeling and Simulation Activities	2.1
Multiple Component Army Flight Test	2.6
Nanoscience Initiative	3.0
Next Generation Hardware-in-the-loop (HWIL) Tool (NGHT)	10.5
NGPS-Next Generation Passive sensors	3.0
Remote Sensor Monitoring Technology Research Program to Characterize NCB Species	2.5
Spectral Operations Resources Center (SORC)	2.6
Ultra Light UAV Sensor Platform	3.0
Vertical Integration for Missile Defense Data	1.5
ARMY MISSILE DEFENSE SYSTEMS INTEGRATION (DEM/VAL)	
P3 Power System	2.0
Low Cost Interceptor (LCI)	10.5
Radar Power Technology Research Program	1.0
Telecommunication upgrades at Kodiak Launch Complex	9.3
Kodiak Range upgrades-KCL safety upgrades	5.8
AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	
Geospatial Information Decision support for Single Integrated Air Picture	5.3
SituSpace Single Integrated Space Picture (SISP)	4.5
ASMD Architecture Analysis (A3) Program	1.0
Future Army Attack and Missile Defence System (FAAMDS)	1.8
E-STRIKE Technology Enhancement for the Maneuver Air Defense Capability	5.0
Hybrid-Electric Technology Demonstrator	2.8
Air and Missile Defense Architecture Analysis (A3) Program	4.2
LANDMINE WARFARE AND BARRIER-ADV DEV	
MVMNT Program for Simulation Based Operation	4.9

SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV	
Advanced Laser Electric Program	1.0
Thermo-Acoustic Piezo Energy Conversion	1.0
Standoff Hazardous Agent Detection and Evaluation System Research	1.5
TANK AND MEDIUM CALIBER AMMUNITION	
GPS Interference Suppression Unit	3.2
NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	
Night Vision Systems Advanced Development (FIRRE)	3.8
ENVIRONMENTAL QUALITY TECHNOLOGY EDM/VAL	
Aberdeen Proving Ground Asbestos Conversion Facility	1.2
Environmental Management System Demonstration	1.0
Environmental Security Technical Certification Program	1.0
Transportable Detonation Chamber	4.2
Military Environmental Information Exchange Program	2.5
Nanometric Arsenic Removal	2.0
Vanadium Technology Partnership	3.0
Demonstration of Technologies to reduce the costs associated with Base Redevelopment	2.2
NDCEE Joint service Initiative	6.8
Sustainable Installations	1.7
Casting Emission Reduction Program (CERP)	3.5
Waste Minimization and Pollution Prevention	1.0
Wellhead Treatment of Perchlorate Contaminated Wells	2.5
Environmental Management System Pilot in the Defense Department	1.5
AVIATION-ADV DEV	
Virtual Cockpit Optimization Program (VCOP)	3.6
Rapid Response Chem-Bio Decon, Liquid and Dry (Decron Green)	1.0
LOGISTICS AND ENGINEER EQUIPMENT- ADV DEV	
US Army/Army Reserve Performance Support System Phase II	1.7
Mobile Parts Hospital	4.5
MEDICAL SYSTEMS-ADV DEV	
Portable Battery Operated Solid-State Electrochemical Oxygen Generator	1.0
Electrosomotic Pain Therapy System for Adjustable Rate Implantable Drug Delivery	1.0
Future Medical Shelter System	5.3
Combat Medical Material-Advanced Development	3.5
AIRCRAFT AVIONICS	
Army Airborne Avionics Improvement Data Modem	2.0
JOINT TACTICAL RADIO	

Logistics Waveform Feasibility Study		1.0
ALL SOURCE ANALYSIS SYSTEM		
All Source Analysis System (ASAS) Analysis Control Element (ACE) Light (ASAS ACE Light)		1.3
INFANTRY SUPPORT WEAPONS		
xm312.50 Caliber Advanced Crew Served Weapon		7.0
MEDIUM TACTICAL VEHICLES		
Medium Tactical Vehicle Development		9.7
FMTV Weight/Cost Reduction Initiative		2.1
FAMILY OF HEAVY TACTICAL VEHICLES		
HEMTT A3 SDD		7.0
Heavy Equipment Transport System (HETS) recap program	2.1	
Palletized Load System (PLS) recap program	1.4	
21 st Century Truck and Future Tactical Truck System	7.5	
NIGHT VISION SYSTEMS- ENG DEV		
Multi-Platform Replacement Sight (MRS)	2.55	
COMBAT FEEDING, CLOTHING AND EQUIPMENT		
Mounted Warrior Nomad Command and Control Head Up Display (C2HUD)		2.8
AUTOMATIC TEST EQUIPMENT DEVELOPMENT		
Integrated Family of Test Equipment (IFTE)	2.6	
Integrated Family of Test Equipment- Base Shop Test	1.8	
DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)-ENGI		
Rock Drill-Commander's Battlefield Planning Tool	1.7	
Dynamic Re-Addressing and Management for Army (DRAMA)		1.3
WEAPONS AND MUNITIONS-ENG DEV		
Precision Guided Mortar Munition (PGMM)		8.5
Mortar Anti-Personnel/Material (MAPAMS)		4.0
Advanced Cannon Artillery Ammunition Program ACA2P	13.0	
Hybrid Propellant for medium and large caliber ammunition	2.7	
Distributed Aperture Semi Active Laser Seeker(DASALS)	3.5	
Common Remotely-Operated Weapons Station (CROWS)		3.5
LOGISTICS AND ENGINEER EQUIPMENT-ENG DEV		
Rapidly Installed Fuel Transfer System (RIFTS)	5.3	
COMMAND, CONTROL, COMMUNICATIONS SYSTEMS-ENG DEV		

Standoff Sensor for Radionuclide ID (SSRID)	8.0	
MEDICAL MATERIAL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT		
LSTAT Medical Technology		1.8
Chitosan bandage component	2.1	
Cartledge Infuser		1.0
LANDMINE WARFARE/BARRIER-ENG DEV		
Magneto Inductive Remote Activation Munition System	8.5	
ARTILLERY MUNITIONS-EMD		
Excalibur XM982 Life Cycle Improvements		3.4
BONUS Compliance Program (BCP)		2.5
COMBAT IDENTIFICATION		
Integrated Battlefield Combat Situational Awareness	5.6	
FIREFINDER		
Phoenix AN/TPQ-47		4.2
ARTILLERY SYSTEMS-EMD		
Paladin-Excalibur Integration		3.0
INFORMATION TECHNOLOGY DEVELOPMENT		
Rock Island Arsenal Information Technology Deveopment		2.0
Knowledge Management System		2.5
THREAT SIMULATOR DEVELOPMENT		
Army Threat Signals Intelligence Program	1.8	
RF/SAM Threat Simulator Program		6.8
TARGET SYSTEMS DEVELOPMENT		
Unmanned Air Vehicle Altitude Control		2.8
MAJOR T&E INVESTMENT		
Vehicle Durability Simulator		2.5
Network Centric Warfare Digital Battlefield Instrumentation(NCW-DBI)		1.0
RAND ARROYO CENTER		
RAND Arroyo Center		2.8
ARMY KWAJALEIN ATOLL		
Replacement Dome Housing for US Army Kwajalein Atoll	1.8	
CONCEPTS EXPERIMENTATION PROGRAM		

Handwritten Optical Character Recognition Software	1.0	
Technology Management and Collaborative Initiative	1.5	
ARMY TEST RANGES AND FACILITIES		
Cold Regions Test Center- hybrid electric infrastructure	9.0	
Big Crow Program Office		7.0
ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS		
White Sands Missile Range (WSMR) Test Modernization	4.25	
Chemical-Biological Defense Material Test and Evaluation Initiative		1.0
Advanced Digital Radar System (ADRS)	1.5	
White Sands Missile Range Film Elimination	3.5	
SURVIVABILITY/LETHALITY ANALYSIS		
Decision Related Structures	4.2	
SUPPORT OF OPERATIONAL TESTING		
MATTRACKS- Track conversion systems for lightweight wheeled vehicles		1.0
TECHNICAL INFORMATION ACTIVITIES		
Army High Performance Computing Research		1.5
MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY		
Advanced Cluster Energetics (ACE) Manufacturing Technology	2.5	
Advanced Technology Center		1.05
Aluminum Matrix Composite Technology Partnership-Munitions	2.5	
CZT Detectors for Automated Munitions Inspections and Surveillance		1.05
Fuel Cells for Munitions		1.0
Manufacturing Research and Development for Nanotechnologies and Energetic Materials		1.10
MEMS IMU Technology Capability	1.5	
MEMS Nano Consortium		1.4
Micro Electrical Mechanical Systems (MEMS) Technology applications		1.0
Mid Range Munition (MRM) Life Cycle Improvements	3.5	
Mid-Range Munitions		1.0
Munitions Life Cycle Pilot Processes	1.4	
Munitions Public Private Partnerships (Energetics, Sensors, Seekers)		2.5
Nanoparticle Development for Energetic Materials	1.7	
Nanotechnology Technologies for Defense Applications	1.5	
OMEGA 60 Battle Effect Simulators	500	
MLRS PRODUCT IMPROVEMENT PROGRAM		
GMLRS Unitary		12.75

AEROSTAT JOINT PROJECT OFFICE		
MEMS Demonstration Radar System (MEMS DRS)		1.5
COMBAT VEHICLE IMPROVEMENT PROGRAMS		
Combat Vehicle Electronics for Future and Current	2.0	
AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS		
Maintenance Analysis Safety and Training (MAST) program	2.5	
Helicopter Autonomous Landing System (HALS) prototype Sensor		2.0
Army Distributed Mission Training System	1.7	
DIGITIZATION		
Digitization Support to Ft. Hood (University XXI)	2.0	
SECURITY AND INTELLIGENCE ACTIVITIES		
Information Dominance Center-Mobile Agent Technology	4.2	
Automated Communications Support System for WARFIGHTERS, Intelligence Community and Analysts	1.0	
Global Anti-Terrorist Activity Analysis Capability at the INSCOM Information Dominance Center		2.1
Portable Iris Enrollment and Recognition (PIER) Device	2.0	
INFORMATION SYSTEMS SECURITY PROGRAM		
Biometrics-testing of technology		5.1
SATCOM GROUND ENVIRONMENT (SPACE)		
KaSAT		2.1
TACTICAL UNMANNED AERIAL VEHICLES		
Army I-GNAT ER Unmanned Aircraft		2.1
Small Platform Modern Signal Communications Intelligence (COMINT)		6.7
DISTRIBUTED COMMON GROUND SYSTEMS		
ASAS Light		1.4
Joint Visualization System (JVS)	1.7	
Automatic Target Cueing System	2.5	
Intelligence Data Exchange for Execution and Planning (I-DEEP) DCGS		3.5
END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES		
Free Form Low Cost Fabrication using titanium	1.4	
High Temperature Structural Ceramic Materials	1.8	
Laser Engineered Net Shaping (LENS) Manufacturing Qualification		1.8

Laser Peening		1.0	
Laser System Development for Turbine Engine Applications	1.5		
LEAN Munitions Program		1.5	
Manufacturing Metrology for Weapon System Production and Sustainment			1.0
Manufacturing Systems Demonstration	1.9		
National Center for Defense Manufacturing and Machining	3.4		
Reactive Armor Plasma (RAP) Processing		2.5	
Six Sigma Lean Enterprise		1.0	
Third Generation Dual Band Infrared Imagers		1.0	
Virtual Parts		2.3	
DCF DEFENSE LANGUAGE INSTITUTE			
Satellite Communications for Learning (SCOLA)	2.0		
Broadband Language Training System		3.0	
Research, Development, Test, and Evaluation, Navy			
UNIVERSITY RESEARCH INITIATIVES			
Defense Commercialization Research Initiative	4.0		
Center for microwave ferrites and multi-functional integrated circuits	1.0		
National Security Training		1.0	
Center for Southeastern Tropical Advanced Remote Sensing (CSTARS)		2.5	
IN-HOUSE LABORATORY INDEPENDENT RESEARCH			
Navy S&T outreach		1.9	
DEFENSE RESEARCH SCIENCES			
Facial recognition technology research and development	1.6		
Intelligent autonomous networks & systems (AINS)			1.0
Brain-based intelligent system	2.0		
Hydrogen for fuel cells		1.0	
Academy for Closing and avoiding Achievement gaps	1.0		
UNOLS Research Vessel		1.8	
POWER PROJECTION APPLIED RESEARCH			
Firelifer - a non-thermal means of seeing through fire and smoke		1.7	
Kill assist adverse-weather targeting system (KAATS)	1.7		
Device integration of WBG semiconductors and crystalline oxides		1.7	
Millimeter/terahertz imaging arrays	2.1		
Advanced reactive-materials-enhanced nanocomposite			

warheads (ARMENW)		2.6
Advanced high-energy thermobaric warhead development	1.0	
Unattended imaging sensor network (UISN)	1.0	
Interrogator for high-speed retro-reflector covert communications		1.0
Advanced hybrid stored energy devices for affordable air weaponry		2.0
Hypersonic weapons enabling capability	1.5	
Advanced smart optical sensor payload technology for surveillance		1.0
Integrated personnel protection system		1.2
Integrated Biological Warfare Technology Platform	3.5	
Aircraft Carrier Surveillance System	2.8	
Combustion Light Gas Gun		4.2
Mobile On-Scene Sensor Aircraft C41 Center	1.0	
Thermal Management Systems for High Density Electronics		6.0
PROTECTION APPLIED RESEARCH		
Battery charging technology		2.1
Lightweight Ship Structures (LSS)		1.0
Composite repair of metal structures	1.0	
High efficiency quiet electric drive	1.0	
Blast resistant anechoic sprayable elastomeric coatings for Navy ships		1.0
Low-cost rapid prototype/production technology for polymeric aircraft components initiative	2.3	
Center for critical infrastructure protection	6.8	
ADPICAS		
Structural Reliability of FRP Composites in Ship Assemblies		1.5
Hyperspectral Data Fusion		1.0
Unmanned Sea Surface Vehicles for Maritime Missions	3.4	
Miniature Autonomous Vehicles (MAVs)	3.5	
Integrated Fuel Processor - Fuel Cell System	1.8	
Corrosion Modeling Software Project - NAVAIR	2.0	
Small Watercraft Propulsion Demonstrator	4.2	
Mark V Patrol Boat Replacement Craft Prototype	1.5	
PMRF Force Protection Lab	1.5	
Project Endeavor		8.0
Composites Development for Navy Low Rise Construction	1.7	
MARINE CORPS LANDING FORCE TECHNOLOGY		
Expeditionary Force Infrastructure Initiative (EFI)	1.0	
Advanced Lead Acid Battery Development for Military Vehicles		1.0
HUMAN SYSTEMS TECHNOLOGY		

Human Systems Integration/SEAPRINT		1.5	
MATERIALS, ELECTRONICS AND COMPUTER TECHNOLOGY			
Porous materials		1.5	
DoD Agile Manufacturing Center for Castings Technology at NUWC Keyport		1.0	
Formable aligned thermosets (FACTS)	1.5		
COMMON PICTURE APPLIED RESEARCH			
National Center for Advanced Secure Systems Research	5.0		
SEAdEEP			2.5
Web-based technology insertion			1.0
Common Sensor Module (COSM)		1.8	
AIREP		11.6	
Testing, Evaluation and Demonstration of Webster M2C2	1.5		6.0
NAIF			6.0
Theater Undersea Warfare Initiative	7.6		
WARFIGHTER SUSTAINMENT APPLIED RESEARCH			
Hydrate desalination technology		2.1	
Atmospheric water harvesting			1.0
Novel materials synthesis and characterization	3.5		
National Unmanned Undersea Vehicle (UUV) Test and Evaluation Center		5.9	
Aluminum fabrication utilizing three-dimensional printing			1.4
Integrated WMD detection and collection system	1.0		
Naval training, performance and expertise	1.0		
High performance long lasting LO materials for Navy stealth applications		3.0	
Cutting tools for aerospace materials	3.4		
Biosensors for Defense Applications - autonomous sensor platforms for biosensing			2.0
Advanced reinforced materials and new materials research for aircraft tires			1.0
Human systems technology			1.0
Advanced fouling and corrosion control coatings for Naval vessels			5.6
Durability of composite materials and structures	1.3		
Partnership Simulation Lab for health professions education	2.5		
Virtual Clinical Learning Lab (VCLL) for Nursing and other health professions			2.0
Coating and Polymeric Films for Naval Applications	1.0		
Agile Vaccinology Research		3.0	
Micro-System Fuze/Safe and Arm Devices		1.0	

Titanium Based Liquidmetal Alloy for Advanced Aerospace Applications		
	1.4	
Titanium Matrix Composites		1.6
Rapid Detection and Response Systems for Biodefense	2.1	
Optimizing Adaptive Warrior Performance		2.1
Advanced Materials and Intelligent Processing Center	2.1	
Motion Coupled Visual Environment (MOCOVE) for Motion Sickness Relief (Tranferred from Title IV-DHP)		1.0
Rapid and Highly Sensitive Detector of Biowarfare Agents	1.2	
RF SYSTEMS APPLIED RESEARCH		
Wide bandgap materials for power electronics		1.7
Novel silicon carbide technology development		1.0
RF vacuum electronics power amplifiers		1.0
Radar/video fusion vessel and port security demonstration	1.0	
Advanced Microwave Ferrite Research for RF Systems	1.2	
Gallium Nitrate RF power Technology		2.0
Pacific Theater Data Fusion Testbed	2.5	
Maritime Synthetic Range		4.3
OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH		
Carbon Nanotube-based radiation hard non-volatile RAM	4.5	
Coastal environmental effects (note: only for the development of a program for the exploitation of basic research in marine biosciences, molecular sciences and proteomics to evolve and field a new generation of hypersensitive detectors for deployment as a part of a wide area environmental signatures collection strategy)	4.2	
South-East Atlantic Coastal Ocean Observing Systems (SEACOOS)		5.0
Oceanographic Sensors for Mine Countermeasures/Autonomous Marine Sensors		2.5
Bioluminescence truth Data Management and Signature Detection - expansion of the database of bioluminescence measurements	1.0	
Extended Capability Underwater Optic Imaging		1.0
UNDERSEA WARFARE APPLIED RESEARCH		
Anti-torpedo Torpedo (6.75 inch diameter) multi-mission undersea weapon		5.1
Micor-detonics for miniature weapons	2.8	
Galfenol alloys		1.2
Micro Electro Mechanical Systems-Inertial Measurement Units (MEMS-IMU)	2.8	
Magnetostrictive Transduction Research	4.0	
Acoustic Glider		4.3

High Powered Ultrasonics/Ship Waste Treatment	1.0		
POWER PROJECTION ADVANCED TECHNOLOGY			
Advanced thin film coatings		1.7	
LADAR- Laser Radar			2.1
High operating temperature midwave infrared sensors	1.7		
Ultra-short pulse laser micromachining		1.7	
Multi-functional, high-performance dual band imaging	1.7		
Advanced technologies for printed wiring assembly fabrication (PWB-HVPC)			3.4
Low-power mega-performance UAV processing engines		2.0	
Low cost terminal imaging seeker		4.5	
DP-2 vectored thrust aircraft program		7.5	
Advanced Lifting Body Research Program		5.0	
Articulated Stable Ocean Platform		1.0	
Quiet High Speed Propulsion		3.6	
Space Surveillance Technology			3.5
Advanced Electric Drives			1.5
High Speed Anti-Radiation Demonstration (HSAD)	5.0		
FORCE PROTECTION ADVANCED TECHNOLOGY			
Dock Shock – a ship shock test system			4.3
Strategic mobility-21 deployment technology	4.3		
TADIRCM – antimissile technology	6.8		
Unmanned force augmentation system			1.0
Non-line of sight (NLOS) for unmanned systems	4.3		
Unmanned systems technologies for explosive ordnance disposal			4.3
Extreme terrain medical evacuation vehicle pilot			1.7
Missile warning sensor		2.5	
Aviation ground navigation system (AGNAS)	1.0		
Future Naval capabilities- crew modeling and simulation (FNC-CMS)			2.6
Technologies for future naval capabilities	1.3		
Electromagnetic (EM) rail gun test munition		1.1	
Smart Sensor Web Advanced Technology	1.8		
Superconducting DC homopolar motor		3.7	
Project M			1.9
Multi-mission warhead for ultra-light torpedo	2.3		
Sandwich panel construction		4.0	
Development of sulfur tolerant copper-based solid oxide fuel cell (SOFC) auxiliary power unit prototype that operates with current military logistics fuel	1.0		
Deployable fiber optic force protection system	1.8		
High speed permanent magnet generator		6.5	
AC synchronous high-temperature superconductor (HTS)			

electric motor		3.5	
Advanced development and demonstration of electric actuator technology	1.0		
At-sea decontamination platform development and conceptual design		1.0	
Affordable, intermediate modulus commercial off the shelf carbon fiber qualification program for aircraft and missiles			1.0
Integrated advanced communications terminal (iACT)	1.0		
Littoral Support Craft- Experimental	10.0		
Agile Port and High Speed Ship Technology	5.0		
Large Unmanned Undersea Vehicle (LUUV) Test Bed		1.7	
Composite Twisted Rudder			1.0
Braided Reduced Recoil Rope for Hand and Mooring Lines	1.0		
High-Speed Power Node Switching Center		1.4	
Electromagnetic Propulsion Cost Reduction	1.4		
Wave Power Demonstration Project		3.4	
Varicraft			6.3
COMMON PICTURE ADVANCED TECHNOLOGY			
Dynamic brokering in the expeditionary warfare testbed	1.0		
WARFIGHTER SUSTAINMENT ADVANCED TECHNOLOGY			
Intelligence work management		1.7	
Low Volume Productivity		1.5	
Asphalt reconditioner		1.7	
Online web-based learning development program	2.6		
Mine warfare technology solutions (MWTS)	2.6		
Human systems Integration/SEAPRINT		1.5	
Precision fabrication of large curved steel navy ship structures			2.0
Defense modernization and sustainment initiative	4.0		
NADEP Cherry Point Center for vertical lift aircraft repair and maintenance technology program			2.0
Virtual at-sea initiative		1.0	
Ultrasonic Consolidation of Matrix Composites	1.0		
Automatic Container and Cargo Handling System	2.0		
Caffing Protection System		1.4	
Expeditionary Logistics for the 21 st Century (EXLOG21)	3.0		
Integrated Vehicle Health Management System		2.6	
HEET			5.0
RF SYSTEMS ADVANCED TECHNOLOGY			
C Band active array radar		6.4	
Highly mobile tactical communications (HMTC)		3.0	
Horizon Extension Surveillance System (HESS)		2.1	

Miniature Automatic Fusion Splicer	1.0	
Remote Ocean Surveillance System (ROSS)	1.5	
Common Affordable Radar Processor		7.7
Photonics Prototyping Facility	4.2	
MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION (ATD)		
Advanced mine detector system		2.6
Transportable transponder landing system (TTLS)	2.0	
Craft Integrated Electronic suite (CIES)	1.0	
Telepresent rapid aiming platform (TRAP)	1.0	
Rapid deployment fortification wall (RDFW)		1.0
C3RP		4.7
Portable Methanol fuel cell	1.0	
Expeditionary Warfare Water Purification	11.5	
Study to Identify and Evaluate Alternative Fixed-Wing Lift Platforms	1.0	
Project Albert		3.4
NAVY TECHNICAL INFORMATION PRESENTATION SYSTEM		
Location specific digital fingerprinting (LSDF)	1.5	
WARFIGHTER PROTECTION ADVANCED TECH		
National Bone Marrow Program		30.0
Navy Medical System Configuration and Test Bed (NMSCTB)	5.1	
Nursing telehealth reserach		2.6
Individual water purification (IWP) program	3.0	
Implantable middle-ear hearing system		1.5
Organ transplant technology		2.0
Hemostatic Research		1.0
Tissue and Limb Transplantation Medical Technology Development		2.5
Blood and Fluid Infusion/Transfusion Technology	1.5	
UNDERSEA WARFARE ADVANCED TECHNOLOGY		
Littoral AWS Mission for Rigid Hull-Inflatable Boat (RHIB)	1.0	
Hawaii Undersea Vehicle test and Training Environment	2.6	
Sea Test for Towed Acoustic Arrays		2.0
SAUVIM		1.3
MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY		
Modeling the warrior as a cognitive system - Phase II	1.7	
AVIATION SURVIVABILITY		
Modular Advanced Vision System		3.2
Modular Advanced Vision System- smart vision system visor	1.0	
Airbag attenuated troop seat		2.1

Advanced maritime technology center at Patuxent River NAS	1.9	
Intelligent Autonomy Technology Transition Program	2.5	
Equipment Life Extension Program		1.5
Intelligent Control System for SWARM		3.8
Integrated Manifold and Tube Ceramic Oxygen Generator	4.2	
ASW SYSTEMS DEVELOPMENT		
Tactical E-Field Buoy Development program	3.7	
Claymore Marine		4.2
Shallow water sensor buoy technology	1.3	
LASH ASW, EPAS, and IR		4.3
SURFACE AND SHALLOW WATER MINE COUNTERMEASURES		
Battlespace preparation autonomous undersea vehicles for mine countermeasures	1.0	
Surface Navy Integrated Undersea Tactical Technology- Mine warfare		1.5
SURFACE SHIP TORPEDO DEFENSE		
AN/SLQ-25 torpedo countermeasure set upgrades	3.4	
Anti-torpedo torpedo (ATT)		4.0
CARRIER SYSTEMS DEVELOPMENT		
Sentinel Net for anti-terrorism and force protection forces	1.1	
Surface ship composite moisture separators	2.4	
Aviation ship integration center		3.7
SHIPBOARD SYSTEM COMPONENT DEVELOPMENT		
Automated maintenance environment (AME)		2.6
Shipboard use of alternative composition pipes	1.7	
Shipboard personal locator beacon		2.3
Electromagnetic Launcher Railgun program		1.5
Intelligent systems consortium initiative	1.5	
Amorphous Metal Permanent Magnet Generator Set	1.5	
Carbon Foam		4.2
DDX Ship System Power Electronics Technologies	1.4	
Galley Food Waste Disposal System		1.0
MTTC/IPI and NSTC Shipboard System Component Development	6.0	
Shipboard Wireless Maintenance Assistant (SWMA)		3.0
SURFACE ASW		
Improved Surface Vessel Torpedo Launcher	1.4	
Surface Ship Combat System Warfighting Enhancements	1.0	
ADVANCED SUBMARINE SYSTEM DEVELOPMENT		
MK-48 ADCAP torpedo improvement program		2.1
Fiber optic TB-16 towed array		1.6

Specialty optical fiber with embedded sensors	2.0		
Improved tactical control in submarine systems	1.0		
Advanced Composite structure program		1.4	
Submarine payloads and sensors program		5.0	
SHIP CONCEPT ADVANCED DESIGN			
Total Fleet Support (TFS)		1.7	
SEALION Cascading Vehicles			8.4
Integrated Condition Assessment System (ICAS)	2.5		
ADVANCED SURFACE MACHINERY SYSTEMS			
Metallic materials advanced development and certification	3.4		
COMBAT SYSTEM INTEGRATION			
Laser augmented ship self-defense		1.7	
High energy laser applications effects		1.7	
Application of novel laser systems on optical seekers	1.0		
Battleforce interoperability		1.3	
Advanced laser diode arrays (ALDA)			1.5
Transportable Laser Induced Plasma Channel (LIPC)			12.6
Demonstration System			2.0
MDETEC			
Context-adaptable Autonomous and Remote Unmanned System Operation		2.5	
Trouble Reporting Information Data Warehouse	1.0		
Unexploded Ordnance Detection Airborne Ground Penetrating Radar (GPR)		4.0	
MARINE CORPS ASSAULT VEHICLES			
Expeditionary Fighting Vehicle (EFV) MK46 stabilized weapon system, FLIR upgrade	1.0		
FLIR Thermal Imager			4.2
Regenerative Filtration Technology for EFV	3.5		
MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM			
ITAS (Tow Missile Rods)			2.5
Clearing Facilities with Novel technology	2.2		
Anti Armor Weapon System - Heavy (AAWS-H)		2.0	
OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT			
SURA Coastal Ocean Observation Program (SCOOP)		2.6	
ENVIRONMENTAL PROTECTION			
Anoxia research in Puget Sound		1.4	
COMNAVMAR Invasive Species demonstration program		0.25	
Integrated Marine Mammal Monitoring and Protection System	2.1		

NAVY ENERGY PROGRAM

1 Megawatt Molten Carbonate Fuel cell Demonstrator	3.5	
Proton Exchange Membrane Fuel Cell Trial	2.8	

FACILITIES IMPROVEMENT

Playas Instrumentation Network Design & Development	3.0	
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NAVY LOGISTIC PRODUCTIVITY

Collaborative logistics productivity	4.2	
Navy Logistics Research Readiness Center (NLRRC)		1.0
Joint Engineering Data Management Information and Control System (JEDMICS)		2.0
Life cycle savings through machinery health monitoring	2.0	
Service-Life Extension of Avionics Legacy Equipment with Guaranteed System (SEALEGS) software	2.0	
Defense Integrated Technical Data Center (DITCDC)		1.0

LAND ATTACK TECHNOLOGY

Advanced XLR medium caliber gun demonstrator	3.4	
Affordable Weapon System		20.0

NONLETHAL WEAPONS - DEM/VAL

National Center for Excellence for Non-Lethal Technology Research, Development, Testing and Training	2.55	
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COUNTERDRUG RDT&E PROJECTS

Research of Frequency Selective Surfaces and Thermal Signatures - INEEL		1.8
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TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIRCM)

For additional assets and spares to accomplish testing in a flight scenario	2.3	
Early Operational Assessment		4.9

AV-8B AIRCRAFT - ENG DEV

Litening pod downlink development program (LPDD) to design, build, test and field video downlink upgrades	1.0	
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STANDARDS DEVELOPMENT

Navy/Marine Corps advanced measurement standards R&D	4.2	
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MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT

Multi-mission helicopter legacy subsystems improvement program		1.7
AQS-22 Airborne Low-Frequency Sonar (ALFS)	1.7	

P-3 MODERNIZATION PROGRAM

ALR-95 electronic support measures (ESM) system specific emitter identification (SEI) networking & performance enhancement upgrade		1.5
ALR-95 Radar Frequency Distribution (RFD) upgrade	1.5	
Personal Digital Assistant Maintenance Application Project	1.0	

TACTICAL COMMAND SYSTEM

Tactical 3D common operational picture (T3DCOP)	2.6	
AN/UYQ-70 based IT-21 C4ISR upgrades		4.2
Joint Mission Planning System (JMPS)		4.2
Nonlinear Systems Research Center		1.3

ACOUSTIC SEARCH SENSORS

Littoral acoustic anti-submarine warfare acoustics	1.4	
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V-22A

V-22 Environmental Control System Upgrade		4.0
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AIR CREW SYSTEMS DEVELOPMENT

Night vision tube technology development	1.7	
Light weight armored troop seat (SWATS) for H-60	1.0	
Joint helmet mounted cueing system (JHCMS)		5.1

EW DEVELOPMENT

IR Signature Reduction to Mitigate Terrorist Missile Threat	1.3	
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JOINT TACTICAL RADIO SYSTEM - NAVY (JTRS-NAVY)

Digital modular radio (DMR)		2.0
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SC-21 TOTAL SHIP SYSTEM ENGINEERING

DD(X) alternative engine- for completion of engine construction and delivery for testing	9.5	
Naval smartships that anticipate and manage	1.0	

SURFACE COMBATANT COMBAT SYSTEM ENGINEERING

Silicon carbide MMIC producability program		3.0
AN/SPY-1 Radar system readiness improvement		3.4
Integrated display and enhanced architecture for a family of displays		4.3
Smart Integrated Data Environment (SIDE)	1.0	
AEGIS traveling wave tube circuit		1.8

STANDARD MISSILE IMPROVEMENTS

Insensitive munition improvements, leveraging government		
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and industry investments		5.0	
Real time image processing - Silicon Brain - for developing a high-performance, vision-based processor for missile interceptors	1.5		
MK41 VLS open architecture upgrades		3.0	
Advanced Missile Data Link		3.5	
AIRBORNE MCM			
Countermine LIDAR UAV-Based System (CLUBS)			1.0
SSN-688 AND TRIDENT MODERNIZATION			
Re-alignment of advance processor builds to continue MPP/ARCI SBIR Phase III technology insertion		10.0	
Littoral Tactical Array System		1.0	
ARCI/APB/MPP			4.0
Littoral TB-23 towed array		3.5	
Littoral Array			2.3
AIR CONTROL			
Transportable Transponder landing System		3.5	
COMBAT INFORMATION CENTER CONVERSION			
Integrated display and enhanced architecture for integrated tactical command and control cell (ITC3)	2.5		
NEW DESIGN SSN			
Shipboard wireless mobile computing environment		1.7	
Submarine common electronics equipment replacement		4.0	
Virginia Class SSN Combat System technology Insertion SBIR(S) N96-278 and NO3-049			1.7
HM&E automation and manning reduction technology insertion(SBIR N03-049)			1.0
Virginia Class SSN Combat System Technology Insertion	2.5		
Non-tactical data processing system		2.0	
Enhanced submarine open architecture model		1.5	
Multi-mission modules for additional VA Class payload capacity and flexibility			20.0
Submarine COTS Web Enabled Service Toolkit		3.5	
Submarine Information Assurance		1.5	
Common Submarine Radio Room			8.0
Large Aperture Bow Array			2.5
SUBMARINE TACTICAL WARFARE SYSTEM			
Submarine maintenance free operating periods (MFOP)		1.0	
Submarine warfare system (SWS) weapon status control, remote maintenance and FORCENet integration	1.6		

Submarine Warfare System Strike Weapon Status Control	3.0	
SHIP CONTRACT DESIGN/LIVE FIRE T&E		
Integrated Modernization Environment	2.0	
Dedicated Ocean Exploration research Vessel	18.0	
NAVY TACTICAL COMPUTER RESOURCES		
AN/UYQ-70(V) system technology improvements	4.0	
Compact ultra-fast laser system development	2.0	
LIGHTWEIGHT TORPEDO DEVELOPMENT		
Mk 54 Torpedo		1.5
JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT		
Magneto Inductive Signaling Device (MISC)	3.4	
Anti-Terrorist Explosive Ordnance Disposal (EOD)	1.0	
BATTLE GROUP PASSIVE HORIZON EXTENSION SYSTEM		
Shipboard information warfare exploit	4.3	
Airborne communications intercept pod (ACIP)	1.7	
Smart Signal Parser and actionable intelligence extractor (SSP AIE)		3.2
Ships Signal Exploitation Equipment (SSEE)	1.0	
Anti-Terrorism technology Surveillance System (ATTSS)	1.1	
Navy Intelligent Agent Security module- for research and development of offensive capabilities	1.0	
SHIP SELF DEFENSE (DETECT CONTROL)		
Integrated display and enhanced architecture for Carrier and LH Class based combat systems	3.4	
Underwater intrusion detection sonar	1.0	
Integrated Radar Optical Surveillance and Sighting System (IROSS)		10.2
Autonomous Unmanned Surface Vessel (AUSV)	1.5	
Directed Energy User Scrutiny Equipment (DEUSE)	2.5	
SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)		
Surface ship electronic warfare (EW) R&D improvements	10.2	
Shipboard Leveraged Electronic Warfare System (SLEWS)	3.5	
MEDICAL DEVELOPMENT		
Somatic Cell Processing Program (Diabetes research)	1.4	
Military dental research		3.4
Health Query and Analysis System	3.4	

Discovery, early detection, evaluation, treatment and prevention in Cancer research		7.0
Medical Procedures reference Tool (MPRT)	3.4	
Room-elevated-temperature-stable Hemoglobin-based oxygen carrier		7.0
Acceleration of clinical trial for hemostatic therapeutic	1.5	
Biomedical research imaging core related to bone marrow transplantation, breast and prostate cancer	2.5	
Community hospital telehealth consortium		1.0
Minimally Invasive Surgical Technology Institute (MISTI)	3.0	
Non-invasive vectored vaccine research		1.25
SEE-RESCUE distress streamer		3.0
Multivalent Dengue Vaccine Program		2.0
Coastal Cancer Prevention		3.5
Rare Blood Program		1.0
DISTRIBUTED SURVEILLANCE SYSTEM		
CENTURION surveillance prototype demonstration	3.9	
Network centric warfare enabled off-board sensor	1.0	
JOINT STRIKE FIGHTER (JSF) - EMD		
Engineering activities		26.0
Future weight reduction initiatives	12.0	
INFORMATION TECHNOLOGY DEVELOPMENT		
Continuation of software development for Military and Civilian applications		2.1
Information technology development – Distance Learning IT Center	6.8	
WeCan: Web Centric ASW net		4.3
Navy Readiness Response Center (RRC)		2.6
Fiber optic components for military applications	2.1	
Fiber optic interconnect technology	1.7	
Navy law enforcement information exchange (LiNX)		4.2
NAVAIR maintenance data warehouse		2.2
Vigilant Network Centric Security Data System	0.5	
Digital Access of NCIS Records		1.5
SPAWAR Information Technology Center		6.5
Virtual Perimeter Monitoring System	3.5	
MAJOR T&E INVESTMENT		
Adapting Fleet support and readiness training for a transforming Fleet		2.1
Upgrade and enhance instrumentation and integrated range support at Patuxant River Naval Air Station and Webster Field in support of UAV and UCAV testing	1.1	

TECHNICAL INFORMATION SERVICES			
Illinois technology Transition Center		1.3	
Center for Commercialization of Advanced Technology		6.8	
Supply chain practices for affordable Navy systems (SPANS)		1.0	
Pacific Based Joint Information technology Center (HTDV)	4.2		
Integrated Manufacturing Enterprise		3.9	
TEST AND EVALUATION SUPPORT			
Protective pumice technology			2.1
SEW SURVEILLANCE/RECONNAISSANCE SUPPORT			
Radiant Sunrise development, integration, deployment		1.0	
MARINE CORPS PROGRAM WIDE SUPPORT			
Marine Corps Corrosion Center of Excellence			1.4
Expeditionary Warfare Logistics Testbed (EWLT)		2.6	
USMC Cost of Readiness (COR) Initiatives		1.0	
Multi-Sensor Analyzer-Detector (MSAD) III			1.7
Odor Signature Reduction Baselayer Garment evaluation		0.4	
Field Rapid Assay Biological System			2.5
Chemical Warfare Agent Detector Badge			2.1
STRATEGIC SUB & WEAPONS SYSTEM SUPPORT			
Advanced conventional strike capability demonstration		10.0	
Thin Plate Pure Lead Technology in Submarine Batteries		4.9	
SUBMARINE ACOUSTIC WARFARE DEVELOPMENT			
Submarine littoral warfare weapon			3.0
F/A-18 SQUADRONS			
Screen display system			1.0
Military flight operations quality assurance/flight data analysis			1.0
Military Rapid Response Command Information System		1.7	
E-2 SQUADRONS			
Non-cooperative combat identification capability		1.7	
Magneto Rheological Shock Engine Mount			1.0
E-2C Hawkeye aircraft propeller safety and reliability	1.0		
E-2C program Support Activity			1.1
Airborne Data Terminal Set (DTS) with Embedded Encryption		2.8	
Network Centric Warfare Testbed			5.1
FLEET TELECOMMUNICATIONS (TACTICAL)			

Programmable integrated Communications Terminals (PICTS)	1.4	
MRC-105 emergency radio		1.0
Floating Area Network		1.0
TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)		
Precision Terrain Aided Navigation (PTAN)	4.0	
INTEGRATED SURVEILLANCE SYSTEM		
MSS Mission planning, automation and adaptive bandwidth management		4.9
Fiber Optic Fixed Surveillance System	3.3	
AMPHIBIOUS TACTICAL SUPPORT UNITS		
Improved Navy lighterage system Causeway ferry, extended capability		1.1
CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT		
Total ship training system (TSTS)- Training Exercise and Management System (TEAMS)		1.0
SH-60B Hellfire Sea Target Laser Aim Scoring System (STLASS)	1.0	
HARM IMPROVEMENT		
Spectral beam combining fiber lasers	1.0	
AARGM Development		1.8
Embedded National Tactical Receiver Integration with Advanced Anti-Radiation Guided Missile (AARGM)	1.1	
SURFACE ASW COMBAT SYSTEM INTEGRATION		
Surface ship ASW R&D improvements (SQQ-89)		7.5
Common surface and undersea warfare- standardize essential undersea warfare functionality and performance capabilities	1.4	
AVIATION IMPROVEMENTS		
Automated wire analysis (AWA)		4.3
Nano-composite hard-coat for aircraft canopies	2.3	
Center for Defense Sustainment Technology	1.0	
Development of next generation technology for the inspection of aircraft engines, diagnostics and repair	3.3	
Age exploration model validation and enhancement	3.0	
Digital integrated cockpit display system for the TH-57	1.0	
Corrosion Inhibiting Coatings		1.4
NAVY SCIENCE ASSISTANCE PROGRAM		
LASH MCM/ISR		3.4
MARINE CORPS COMMUNICATION SYSTEMS		
Metamodel		1.5

Advanced Ferrite Antenna (AFA)		2.1	
Miniaturized Combat Identification System	1.0		
Marine Corps Wideband Communications		4.25	
Next Generation mobile Electronic Warfare Support	3.4		
USMC Hitchhiker			1.7
Display Technology Program		1.7	
Marine Airborne Re-Transmission System (MARTS)		3.4	
Covert SIGINT for Urban warfare (XR-2000 Receiving System)	1.5		
Critical Infrastructure Protection Center	1.5		
Improved Ground Based Transportable Radar		2.1	
U.S. Marine corps Electronic Battlefield Fusion	1.0		
MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS			
Advanced Integrated Digital Cameral Rifle Scope (ADCRS)	1.0		
USMC LAV integarated digital and collaboration environment service net			2.0
Complimentary Medal Oxide Semiconductor (CMOS) Machine			
Vision Readout			1.0
Marine Advanced combat Suit (MACS)		2.1	
MARINE CORPS COMBAT SERVICES SUPPORT			
Battlefield Management System			1.0
SATELLITE COMMUNICATIONS (SPACE)			
Joint Integrated Systems for Advanced Digital Networking (JIST-NET)			4.9
INFORMATION SYSTEMS SECURITY PROGRAM			
SECUREnet			4.6
Collaborative Information Warfare Network	3.5		
NAVY METEOROLOGICAL AND OCEAN SENSORS-SPACE (METOC)			
Scalable Signal Processing Architecture		2.0	
TACTICAL UNMANNED AERIAL VEHICLES			
Center for Coastline Security Technology	2.5		
Joint Operational Test Bed (JOTBS)		4.5	
Advanced Airship Flying Laboratory		3.0	
AIRBORNE RECONNAISSANCE SYSTEMS			
Passive collision avoidance and reconnaissance (PCAR) for Unmanned Aerial Vehicles			1.0
Modular Upgrades to Airborne Reconnaissance Sensors	3.4		
MANNED RECONNAISSANCE SYSTEMS			
Shared Reconnaissance Pod (SHARP)			6.8

DISTRIBUTED COMMON GROUND SYSTEMS		
Enterprise targeting and strike system (eTSS)	2.8	
TES-N/DCGS-N node at Patuxant River Naval Air Station	3.8	
MODELING AND SIMULATION SUPPORT		
Global Engineering Methodology Initiative for Naval Integration and Interoperability	2.8	
Joint Analytical modeling Improvement Program (JAMIP) JWARS	3.9	
Modeling and Simulation to Support C4ISR Development	6.0	
INDUSTRIAL PREPAREDNESS		
Nano-imprint at a Manufacturing Scale	2.8	
Improve manufacturability demonstration of exhaust components for military aircraft	1.0	
DEFENSE RESEARCH SCIENCES		
Demonstrating Space Research and Applications	1.0	
Microwave Vacuum Electronics Power Research Initiative	2.1	
Chabot Space & Science Center	2.0	
National Hypersonic Research Center	2.0	
Nanomaterials Research, Non-manufacturing for Military Applications		2.3
Corrosion Protection of Aluminum Alloys Used in Aircraft	1.8	
Network, Information, and Space Security	2.5	
Quantum Gate		1.0
Non-lethal Stunning/Immobilizing Weapons	0.5	
UNIVERSITY RESEARCH INITIATIVES		
Bio/Nanotechnology Infrastructure and Technology Oriented Research	3.0	
21 st Century Information Operations Workforce	1.1	
Griffith Observatory Programming	1.0	
Information Security Solutions	1.6	
Agile Response Chameleon Coatings	1.5	
SMART Pilot Scholarship Program	2.5	
MATERIALS		
Computational Tools for Material Development	1.0	
Advanced Wide Bandgap Materials for RF Technology	2.6	
Advanced Silicon Carbide Device Technology	1.7	
Domestic Titanium Powder Manufacturing Initiative	2.0	
Cost Effective Composite Materials for Manned and Unmanned Flight Structures		1.0
Advanced Magnetic Random Access Memory Modules	2.1	
Optimal Design of Materials Processes	1.0	

WBI-Nanostructured Materials for Advanced Air Force Systems		2.8
Titanium Matrix Composites	2.5	
Nanostructured Materials for Advanced Air Systems	3.6	
Gallium Nitrate RF Power Technology	2.5	
Thermal Sprays for Structural Protection	2.1	
ONAMI Safer Nanomaterials and Nanomanufacturing	2.5	
Non-Linear Optical Materials	1.0	
Durable Hybrid Coatings for Aircraft Systems	1.0	
Material Science Manufacturing	1.0	
AEROSPACE VEHICLE TECHNOLOGIES		
Intelligent Flight Control Simulation Research Laboratory	1.3	
Unique Stealth UAV Houck Aircraft Design Program	1.1	
HUMAN EFFECTIVENESS APPLIED RESEARCH		
Networked Warfighter Decision Support	1.1	
AFSOC Battlefield Operations Kit	1.1	
Bio-Medical DNA Program		1.0
Imprint for UAVs		1.5
Photovoltaic Hydrogen and Flexible PV for Portable Power	1.0	
Laser Bioeffects		1.4
Special Operations Target Acquisition and Control Suite	1.4	
Solid Electrolyte Oxygen Separator	6.9	
AEROSPACE PROPULSION		
HVEPS		3.1
Jet & Rocket Engine Test Site (JRETS)	6.8	
Aerospace Lab Equipment Upgrade	1.0	
Advanced Cooling Technology for High Flux Military Diode Laser Arrays		1.3
Cell-Level Battery Controller	1.5	
Versatile Affordable Advanced Turbine Engine - Titanium Matrix Composite		1.0
Advanced Vehicle Propulsion Center	4.0	
Advanced Vehicle Cooling Technology	1.0	
Remote-Base Power Demonstration	1.5	
Wavelength Agile Spectral Harmonic Oxygen Sensor	1.0	
High Regression Rate Hybrid Rocket Fuels	0.75	
Center for Flow Physics and Control	1.9	
Engineering Research Lab Equipment Upgrade	1.0	
Center for Security of Large-Scale Systems	1.9	
Intense, Ultra-fast Laser Microfabrication & Diagnostics	1.0	
High Powered Electrical Aircraft Capabilities	6.5	
Integrated Cooling and Power System with MBTG	2.8	

AEROSPACE SENSORS

General Purpose Reconfigurable Signal Processor System	2.0	
Optical Signature Recognition System for Authenticity Verification	1.0	
Phased Array Antenna Control Computer		1.3
Three-Dimensional Packaging Technology for High Speed RF Communication		2.0
Center for Advanced Sensor and Communication Antennas	3.0	
Watchkeeper UWB Demonstration Program		1.6
Super-resolution Sensor System		2.0
Minority LEADERS		4.9
Compact Optical Receiver for Smart and Loitering Standoff Weapons		1.0

MULTI-DISCIPLINARY SPACE TECHNOLOGY

Internet Protocol Commanding of Satellites	1.0	
ETIP - Engineering Tool Improvement Program		5.0
Photonics Technology		1.7
Upperstage Engine Technology		4.0
Stable Articulating Backbone for Ultralight Radar Project	1.5	

SPACE TECHNOLOGY

ICASS		2.0
Converted Silicon Carbide for High Performance Optic Structures		1.5
EM Gradiometer for the Detection & Confirmation of Underground Hiding Places & Passageways		2.8
Toughened Silicone Substrates for Flexible Solar Cells	1.0	
Lightweight and Novel Structures for Space Program	3.4	
USAF Center for National Security Research - Signature Exploitation		1.1
HAARP		5.5
Foldable Articulated Structures for Next Generation Spacecraft		1.5
Seismic Monitoring Program		2.8

DIRECTED ENERGY TECHNOLOGY

Adaptive Optics Lasercom		2.5
Ultra Short Pulse Laser Technology Development	5.0	

COMMAND CONTROL AND COMMUNICATIONS

MASINT Visualization Tools Program		2.5
Joint Battlespace Infosphere		1.0

HIGH ENERGY LASER RESEARCH

Joint High Power Solid State Laser Program	2.4	
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Manufacturing Technology Development Solid State of Advanced Components for High Solid State Laser High Energy Laser Research	2.0	1.0
ADVANCED MATERIALS FOR WEAPONS SYSTEMS		
Advanced Polymer Technology for Agile Combat Support	1.1	
Transparent Conductive Polymer Technology Development	1.5	
Metals Affordability Initiative	7.5	
Quantitative Inspection Techniques for Assessing Aging of Military Aircraft	1.2	
Plasma Enhanced Chemical Vapor Disposition for Advanced Laser Program		1.7
Large Panel Sapphire Producability	1.5	
Advanced Composite Processes		1.4
Fast Field Repair of Coated Aircraft and Equipment	2.8	
Materials Integrity Management Research	1.1	
Hybrid Bearing		1.4
Stealth RAM Coatings		3.5
Titanium Matrix Composites	3.0	
Plasma Arc/Waste to Energy Production	3.4	
Continuous Integrated Vehicle Health Monitoring System (CIVHMS)		0.5
ADVANCED AEROSPACE SENSORS		
Testbed for Accelerated Transition - Advanced Multi- Discriminating Sensing		1.0
National Operational Signature Production and Research Capability		11.5
Phase Diversity - Imaging Through Volume Turbulence	1.1	
FLIGHT VEHICLE TECHNOLOGY		
Ultra-Lightweight Composites for Ballistic and Bomb Protection		1.0
AEROSPACE TECHNOLOGY DEVELOPMENT/ADMINISTRATION		
3-D Weaving/Braiding Technology	2.0	
National Aerospace Leadership Initiative	21.0	
WBI - Capabilities Planning Support	3.5	
Haleakala Laser Communications Testbed	1.0	
Capabilities Planning Support	3.3	
AEROSPACE PROPULSION AND POWER TECHNOLOGY		
Advanced Satellite Thermal Control Program	1.0	
IPHTET Phase III Tech Demonstrator		3.5
CREW SYSTEMS AND PERSONNEL PROTECTION TECHNOLOGY		

Virtual Warriors		1.1	
ELECTRONIC COMBAT TECHNOLOGY			
Receiver and Processing Concepts Evaluation Program	1.0		
Lightweight Modular Support Jammer		5.6	
Detect and Avoid for UAVs		1.4	
Affordable Visible Missile Technology Program	3.3		
BALLISTIC MISSILE TECHNOLOGY			
Ballistic Missile Technology Common Advanced Guidance Technology		10.0	
Pacific Ballistic Missile Technology Program	1.7		
UNMANNED AIR VEHICLE DEVELOPMENT/DEMONSTRATION			
Protector UAV for AC-130 Aircraft		8.5	
ADVANCED SPACECRAFT TECHNOLOGY			
Robust Aerospace Composite Materials and Structures	4.5		
Intelligence Free Space Optical Communications	1.5		
Boron Energy Cell System Development		1.0	
Vehicle Risk Reduction (RSLV)		4.0	
Advanced Life Cycle Cost/Risk Model For Space Concepts Development		1.0	
Integrated Spacecraft Engineering Tool (ISET)	1.0		
Systematic Hierarchical Approach to Radiation Hardened Electronics		1.5	
Streaker – Small Launch Vehicle		3.0	
Radiation Hardening Microelectronics		1.4	
Geosynchronous Laser Imaging Testbed		4.9	
Hardening Technologies for Satellite Protection	3.5		
MRAM Innovative Communications Materials		1.2	
Vortex Cold Wall Low Cost Rocket Engines	3.3		
AC Coupled Interconnect		1.0	
MAUI SPACE SURVEILLANCE SYSTEM (MSSS)			
MSSS Operations and Research		33.9	
CONVENTIONAL WEAPONS TECHNOLOGY			
High Speed Strike Weapon		1.0	
BLU-109 Bunker Buster - Heavy		3.0	
Fuze Air-to-Surface Technology		1.1	
ADVANCED WEAPONS TECHNOLOGY			
Advanced Tecnology for IRCM Component Improvement			2.1
Low Speed Air Speed System	3.4		

Near Earth Space Initiative	2.8	
LIVAR		2.1
Water Integrated Semiconductor Laser	3.0	
Massively Parallel Optical Interconnects for Microsatellites Datacom		2.0
Applications of LIDAR to Vehicles with Analysis (ALVA)	8.0	
C3I ADVANCED DEVELOPMENT		
Dynamic Targeting Capability		1.5
Collaboration Archive Server	1.0	
Cyber Security - Advanced Course in Engineering	1.0	
Rivet Joint Advanced Wideband Processor		2.1
J-P 900 Coal Based Jet Fuel		1.0
HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM		
Joint High Power Solid State Laser Program	1.3	
PHYSICAL SECURITY EQUIPMENT		
Smart Camera System with Target Motion Cueing	0.2	
Military Base Protection Using X-Ray System		2.0
POLLUTION PREVENTION (DEM/VAL)		
Laser Applications to Improve Air Force Operations and Readiness		1.7
O2 Diesel Particulate Emissions Reduction	1.1	
Advanced Rocket Components		1.0
COMMON AERO VEHICLE (CAV)		
Common Aero Vehicle		5.0
B-1B		
FLIR and Datalink Upgrades	25.0	
B-2 ADVANCED TECHNOLOGY BOMBER		
EHF SatCom		14.4
GBU-28 Integration		7.2
Radar Modernization Program		8.4
EW DEVELOPMENT		
Rapid Replacement of Mission Critical Logistics Electronic Components at Warner Robbins AFB		2.3
AN/ALQ-172 Airborne Electronic Attack Upgrade	5.4	
PLAID		4.0
SUBMUNITIONS		

Self-Destruct Fusing for BLU-97 Submunitions in AF CUB-87 Area Attack Munition		1.0	
AGILE COMBAT SUPPORT			
Biostatic Protective Clothing for AFSOC		1.0	
Advanced Casualty Care for AFSOC		1.0	
Isolation Units with Reactive Nanoparticle Materials	4.2		
AERO Medical Readiness - Water Sterilization		2.8	
LIFE SUPPORT SYSTEMS			
Integrated Mission Helmet		1.8	
COMBAT TRAINING RANGES			
Virtual Teleoperation for Unmanned Aerial Vehicles (ISU)	2.8		
INTEGRATED COMMAND & CONTROL APPLICATIONS (IC2A)			
JSTARS Net-Centric Enhancements Using Web Services	1.0		
C2 Manager for AFSOC			1.0
Distributed Mission Interoperability ToolKit (DMIT)	5.6		
Net-Centric Information Visualization Services	2.0		
Integration of Global Expeditionary Medical System with Global Combat Support System			2.5
Global Awareness Presentation System		2.5	
Asset Source for Software Engineering Technology eWing Program			4.7
JOINT STRIKE FIGHTER EMD			
Engineering Activity		26.0	
JSF Second Source Tire Research, Aircraft Bias, Radial Tire Materials			1.25
RDT&E FOR AGING AIRCRAFT			
Advanced Aircraft Avionics & Electronics Insertion	1.0		
TER-0 MIL-STD-1760 ("Smart") Modification		1.7	
Enterprise Availability and Cost Optimization System	1.0		
Fleet Capability Assessment		1.3	
Aging Landing Gear Life Extension		4.6	
Academic Center for Aging Aircraft		4.2	
Fleet Readiness			1.3
LEAN Depot Engine Repair			1.3
LINK-16 SUPPORT AND SUSTAINMENT			
Enhanced Tactical Data Link and Data Display		3.0	
Pocket Link 16			3.4

FAMILY OF INTEROPERABLE OPERATIONAL PICTURES (FIOP)		
Command and Control Service Level Management		3.8
Command and Control Enterprise Services (C2ES)	2.4	
MAJOR TEST & EVALUATION INVESTMENT		
Documentation - Edwards AFB		1.5
Air Armament Center/ILIAD		2.0
3-D Data Track Assembly (3-DATA) Imaging System		2.1
INITIAL OPERATIONAL TEST & EVALUATION		
Air Force Operational Test and Evaluation Center		2.0
TEST AND EVALUATION SUPPORT		
Consolidated Fighter Combined Test Force		1.0
Big Bend Range		2.5
B-52 SQUADRONS		
B-52 Re-engine Study		5.6
A-10 SQUADRONS		
Three-Dimensional Modeling, Design and Engineering Assessment		3.5
A-10 Propulsion Modernization		5.0
F-16 SQUADRONS		
AN/APG-68(V) 10 radar development		8.0
F-15E SQUADRONS		
F-15C APG-63 Radar Upgrade		14.6
F-15 ALR-56C Radar Warning Receiver Upgrade Program	2.6	
AF TENCAP		
FOGLITE		4.3
GPS Jammer Detection and Location System		3.3
EVALUATION AND ANALYSIS PROGRAM		
Adaptive Information Protection Technologies		2.6
WARGAMING AND SIMULATION CENTERS		
Synthetic Theater Operations Research Model		1.0
INFORMATION SYSTEMS SECURITY PROGRAM		
Worldwide Infrastructure Security Environment		2.0
ESC/SAF Deployment Planning		1.0
Center for Information Assurance Security		2.0
Lighthouse Cyber Security Program		2.5

GLOBAL COMBAT SUPPORT SYSTEM		
Air Force Knowledge Service		2.8
GLOBAL COMMAND AND CONTROL SYSTEM		
Applied Research in Computing Enterprise Services		1.8
WEATHER SERVICE		
Pacific Islands Ocean Typhoon Experiment (PILOT)	1.0	
AIR TRAFFIC CONTROL, APPROACH AND LANDING SYSTEM		
Transportable Transponder Landing System	2.5	
AIR FORCE TACTICAL MEASUREMENT AND SIGNATURE INTELLIGENCE		
Advanced Remote Ground Unattended Sensor Program	2.0	
SPACELIFT RANGE SYSTEM (SPACE)		
Reservoir Assessment, Detection and Response Project	1.5	
CSIP		1.0
AIRBORNE RECONNAISSANCE SYSTEMS		
Software Communications Architecture Compliance	6.1	
MANNED RECONNAISSANCE SYSTEMS		
Lightweight SIGINT System	2.0	
Combat Sent Tactical ELINT System Modernization	1.0	
Cobra Ball Long Wave Infrared Mid-Course Data		
Collection Capability	2.1	
Cobra Ball Hi-Res E/O Signature Capability	1.1	
Collaborative Information Operations	2.3	
DISTRIBUTED COMMON GROUND SYSTEMS		
Battle Damage Assessment Process Analysis	1.0	
PREDATOR UAV (JMIP)		
Predator B LYNX SAR		2.6
SPACETRACK (SPACE)		
S-BAND Upgrade		5.4
C-130 AIRLIFT SQUADRON		
Real-Time Measurement Weight and Balance System	2.0	
C-17 AIRCRAFT		
C-17 Test Flight Data Archive		2.0
INDUSTRIAL PREPAREDNESS		

e-LINCS		1.0
WR-ALC Maintenance Operations Support (MOS) Simulation Model		1.0
Aerial Multi-Axis Platform	1.0	
Rapid Manufacturing using Computers and Lasers	1.0	
Affordable Multi-Junction Solar Cells		1.5
Tide Program		5.0
LO Coatings Production Scale-up		3.5
Laser Peening for F119 Engine		1.0
Bipolar Wafer-cell NiMH Aircraft Battery	1.3	
Advanced Nanomaterials Research, NanoPhotonic Components		1.9
Supply Chain Optimization Universal Tool Kit	1.0	
LOGISTICS SUPPORT ACTIVITIES		
REMISS		1.0
SUPPORT SYSTEMS DEVELOPMENT		
C-5/C-17 IDE (Aging Aircraft)		5.0
Develop Rapid Retargeting Capability at Warner Robins Air Logistics Center Depot	1.0	
Information Assurance for Reengineering and Enabling Technologies		2.0
Special Operations Forces Program Directorate (WR-ALC/LU) Integrated Data Environment (IDE)		1.0
Center for Aircraft & System/Support Infrastructure		1.0
ACC Support Systems Development		2.7
Heavy Duty Hybrid Electric		2.0
Common Core Power Production Program		2.0
Teleoperated Semi-autonomous Robot for Aging Aircraft Maintenance	1.0	
Air Force Center of Acquisition Reengineering and Enabling Technologies		2.0
P301-349		
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE		
DEFENSE RESEARCH SCIENCES		
Spin Electronics		16.2
Comparative Genomics for National Security Goals		3.0
Nano-photonics Systems Fabrication	3.0	
Advanced Photonic Composites Research	3.5	
Biological Detection of Unexploded Ordnances and Land Mines		1.9
Molecular Electronics	1.9	
Photonics Technology Access Program	1.0	

Space Based Active Sensors		1.4	
Material Characterization and Meteorology Center	0.5		
Repeatable and Robust Lithographic Processes on the Nanoscale			1.0
DEFENSE EXPERIMENTAL PROGRAM TO STIMULATE COMPETITIVE Additional Funding			
			3.8
CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM			
National Center for Biodefense		1.0	
Fluorescence Activated Sensing Technology (FAST) Integrated Threat Management System		4.0	
Research to Discover Neutralizing Antibodies to Mycotoxins			0.25
Bug to Drug			6.0
New York Structural Biology Center		1.0	
Biodefense Research		1.0	
Therapeutic Approaches to Anthrax and Ricin Toxins	2.0		
Therapeutic Phosphorodiamidate Morpholino Oligomer Approaches			3.0
HISTORICALLY BLACK AND HISPANIC SERVING INSTITUTE SCIENCES			
Hispanic Serving Institution RDT&E Project Grants	4.25		
Tribal Colleges – Science Lab and Computer Equipment	2.25		
Montford Point Marine Corps Project		0.5	
BIOLOGICAL WARFARE DEFENSE			
Center for Tropical Disease Research and Training		2.8	
Chemically Programmable Immunity		1.0	
Asymmetric Protocols for Biological Defense		2.0	
Center for Water Security-Aquatic Technology and Environmental Research			1.0
New Approaches to Weaponized Infectious Organisms		1.0	
Antimicrobial Research Program		2.1	
BioScience for Informatics		1.0	
Non-invasive Biomodulation		2.6	
CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM			
Agent Detection and Neutralization System (AFSOC)		1.0	
Agent Fate Program			1.0
Air Contaminant Monitoring System – SCAQMD		1.0	
Alternative Delivery Methods for Recombinant Protein Vaccines			3.9
Bio-Chem Vaporooous Hydrogen Peroxide Decon for Military Aircraft and Equipment		1.5	
Chem-Bio Protective Sui Membrane Research		3.75	

Early Warning and Detection Program	1.0	
Future Force Warrior :Program – Nanowire Mesh Fabrics for Chem-Bio Agent Defense	1.3	
Genetic Reassortment by Mismatched Repair-Enhanced Acute Biowarfare Therapy Program	1.0	
Global Pathogen Portal		1.4
Heat Shock Protein Rapid Vaccine	1.8	
Heteropolymer Anthrax Monoclonal Antibody	1.0	
IMS Sample Concentration and Bioagent Detection	1.0	
Integrated Biodefense Research	1.0	
Low-cost Automated Gas Chromatograph/Flame Photometric Detector System		1.5
Low-cost Chem-Bio Protective Shelter Development	3.75	
LSH-SAW Hand-held Biosensor		4.2
Multi-Purpose Biodefense Immunoarray	1.1	
Rapid Antibody-Based Biological Countermeasures (RABB-C)		1.4
Real Time Non-specific Viral Agent Detection	2.0	
Remote Optical Sensing Program	1.0	
Systems for Sampling and Detecting Bioaerosols	1.5	
Technology for the Protection of Water and Air Systems	1.2	
Virginia Bioinformatic Institute	2.5	
Zumwalt Program for Countermeasures to Biological and Chemical Threats		2.0
BioTerNet Networking and Strain Tracking	1.0	
CBRN Countermeasures		2.5
Chemical Agent Persistence Model	2.175	
Chemical Imaging for Food and Water Safety	3.5	
Novel Viral Biowarfare Agent ID and Treatment	2.8	
Research on a Molecular Approach to Hazardous Materials Decontamination	1.0	
Vaccines and Therapeutics to Counter Biological Threats	2.8	
Neurotoxin Mitigation Research	1.0	
TACTICAL TECHNOLOGY		
National Cyber Security Center	1.0	
Tactical Awareness for Friend or Foe CEROS	1.3	7.0
NASEC Through Wall Radar Imaging		2.55
MATERIALS TECHNOLOGY		
Advanced Materials for Electromagnetic Devices	2.0	
Strategic Materials		3.4
Friction Stir Welding of High Temperature Materials	1.3	
Cryo-Power Electronics Development for the All-Electric Ship Program	1.3	

MMI/MBI Nanotechnology Solutions		2.0
Advanced Processing and Prototyping Center at SEMATCH	5.0	
ELECTRONICS TECHNOLOGY		
Characterization, Reliability and Applications of Microstructures		1.8
Nanoscale Organic Spontronic Program	1.4	
Nanoelectronic Defense and Security Initiative	1.5	
Testing and Evaluation of Advanced Composite Ground Radomes		1.4
Center for Optoelectronics and Optical Communications	5.0	
WMD DEFEAT TECHNOLOGY		
Xenon Filled Gamma Ray Detectors	1.0	
Center for Nonproliferation Studies	1.0	
Force Protection Applied Technology	1.0	
Center for Blast Mitigation Protection	1.0	
STRATEGIC DEFENSE TECHNOLOGIES		
Integrated WMD Detection Network	1.0	
MEDICAL TECHNOLOGY		
Hibernation Genomics		3.4
MEDICAL ADVANCED TECHNOLOGY		
Ex-Rad Radiation Protection Program		1.5
Integrated Medical Information Technology System	1.2	
SO/LIC ADVANCED DEVELOPMENT		
Wide Area Surveillance System (WASS)	1.7	
High Rate Packet Inspection "Packet Storm"	1.0	
USSOCOM Reconnaissance and Surveillance Program	1.0	
COMBATING TERRORISM TECHNOLOGY SUPPORT		
Counter-Terrorism – Intelligence Surveillance Reconnaissance System (CT-ISR)	2.8	
Early Responder Distance Learning Center	1.69	
Asymmetric Warfare Initiative		3.25
Collaborative and Virtual Reality Training Pilot	1.5	
Collaborative First Responder Training	1.0	
3D Facial Recognition Technology	1.0	
Distributed Intrinsic Chemical Agent Sensing and Transmission		4.25
WMD Emergency Responder Training at the National Terrorism Preparedness Institute	2.975	
CBRNE Force Response Element – Education, Development,		

Operations, and Mitigation (FREEDOM)		2.55	
Technical Support Working Group		5.0	
Facility Security			6.8
Remote Detection of Concealed Explosives	1.0		
Security Perimeter Awareness Network (SPAN)		1.4	
Advanced Robotic Vehicle Development		1.95	
Blast Mitigation			7.0
Explosive Loading Laboratory Testing		7.6	
QR Technology Based Vehicle Bomb Detection		1.5	
COUNTERPROLIFERATION ADVANCED DEVELOPMENT			
Advanced Materials Research for Nuclear Detection			
Counter-proliferation		1.7	
Detective (HPGe) Radio-Isotope Identifier	1.0		
Guardian Portable Radiation Search Tool		15.0	
BALLISTIC MISSILE DEFENSE TECHNOLOGY			
Advanced Processing Architecture (APA)		1.0	
Next-Generation Radiation Hard CMOS		2.7	
Ultra-Thin Integrated Electronics Miniaturization			
Trusted Foundry			1.0
Center for Optical Logic Devices		1.0	
Silicon Carbide Wide Band Gap Research		2.8	
Multiple Target Tracking Optical Sensor Array			
Technology (MOST)			1.7
Advanced RF Technology Development			4.25
SiC Thick Film Mirror Coatings		2.55	
Porous Silicon			2.55
Tulane Missile Defense			1.0
JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT			
Advanced Metallized Gelled Propellants		2.45	
SPACE PROGRAMS AND TECHNOLOGY			
Improved Suborbital Operations		4.8	
Joint NASA/DOD Development			8.5
CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM –ADVANCED DEVELOPMENT			
Adaptation Gaseous and Liquid Technology			
Decontamination			1.0
Advanced Engineered Enzyme Decontamination Systems	2.0		
Bioterrorism Preparedness		2.0	
Center for BioDefense			1.0
Countermeasures to Chemical and Biological			
Defense/Rapid Response			8.5
Detecting Contaminants in Drinking Water	2.6		
Dual Use Detection Technology for Sick Building			

Syndrome			1.0
E-Smart Threat Agent Network		3.0	
Hand Held Biological Agent Detection (HBAD)	2.0		
Hand Held Biosensor and Continuous Monitor for Biodetection		3.4	
Industry-Based Research to Miniaturize Chemical and Biological Detectors		1.7	
National Testbed for Rescue Robotics	1.0		
Polymer-Based Bio-Mems		1.2	
Protection Against Toxic Industrial Chemical	1.0		
Rapid Response Bio-Chem Decon, Liquid and Dry	1.75		
Rapid Response Database Systems Center		1.0	
Removal of NBC Agents in Drinking Water		2.8	
Bioadhesion Research to Combat Biological Warfare		3.85	
Hi-Int Pulsed Radiation for Chem & BioAgent Defeat	1.0		
Immunochemical Biological/Chemical Threat Agent Detector			2.3
Laser Interrogation of Surface Agents (LISA) Inspector	4.2		
Oral Adjuvants			1.0
Plant Vaccine Development		3.5	
Rapid Response Sensor Networking for Multiple Applications			1.0
Reactive Air Purification for Individual and Collective Protection(RAPICP)			5.6
Polyclonal human antibody production system		3.0	
JOINT UNMANNED COMBAT AIR SYSTEMS (J-UCAS) ADVANCED TECHNOLOGY DEVELOPMENT AND RESEARCH			
Program Adjustment			77.0
Lithium Ion Battery for Joint Unmanned Combat Air System			2.0
SPECIAL TECHNICAL SUPPORT			
MultiView: Data Standards for Integrated Digital Environmental			3.0
GENERIC LOGISTICS R&D TECHNOLOGY			
Advanced Microelectronics Feature Size Migration	1.0		
Advanced Microelectronics Yield Enhancement		1.0	
Aging Systems Sustainment and Enabling Technologies (ASSET)			1.5
California Center for Nano-science Innovation for Defense (CalCNID)			8.5
California Manufacturing Technology Center (CMTC)		6.8	
Connectory for Rapid Identification of Technology Sources for DOD			1.5

Distributed Inventory Management System	1.0	
DMS Center of Excellence Program	1.0	
Emerging/Critical Interconnection Technology Program	1.5	
High Temperature Superconducting Transceiver Program	1.0	
Long Term Support of Microelectronic Technology Research		5.95
Miniature Tunable RF Front End	2.55	
New England Manufacturing Supply Chain	5.6	
Optical Manufacturing for Extreme Ultraviolet (EUV) Lithography		3.0
Optimized Electronics for Advanced Controlled Environment Systems (ACES)		6.8
Ruggedized Military RFID Tags		3.4
Secure Digital Coherent Optical Communications	2.975	
Spray Cooling Migration Program	6.3	
Superlattice Nanotechnology	3.0	
Chameleon Miniaturized Wireless System	7.7	
Diminishing Manufacturing Source (DMS)	1.0	
Government Industry Data Exchange Program	2.5	
Manufacturing Extension Partnership - Midwest Consortium		2.0
Nano-structured Carbon for Radiation Shielding of Microelectronics		2.0
Next Generation Air Start Cart		1.4
Smart Scanning RFID Tag Reader	2.1	
Spray Technique Analysis and Research for Defense	1.0	
STAR4D Painting and Coating Pollution Prevention	1.0	
Ultra-low Power Battlefield Sensor System	21.0	
Vehicle Fuel Cell Program	5.25	
STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM		
Institute of Environmental and Human Health Toxic Chemical Cleanup		1.0
JOINT WARFIGHTING PROGRAM		
Joint Navigational Warfare	1.0	
ADVANCED ELECTRONICS TECHNOLOGIES		
Embedded Intelligence: Migrating PreAct Symbolic Constructs into Hardware		2.85
Three-dimensional Imaging Technology Development	1.0	
Crystals Materials for Electro-Optic Imaging and Communication		1.0
Advanced Lithography-thin Film Excellence	3.85	
MIL Tech Extension		1.0

ADVANCED CONCEPT TECHNOLOGY		
Low Cost Autonomous Attack System		1.0
Remote Unattended Sensing System (RUSS)	1.05	
Maria Tactical Mapping System		1.05
HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM		
Data Intensive High Performance Computing	2.1	
Army High Performance Computing Research Center	15.0	
High Performance Computer Prototype – Naval Research Lab		4.25
High Performance Computing Visualization Initiative	2.8	
Multithread Architecture (MTA) Upgrade	2.8	
Simulation Center HPC Upgrade		3.5
ARSC		5.6
MHPCC Technology Upgrade		15.5
SENSOR TECHNOLOGY		
Sandia National Laboratories Intelligent Systems and Robotics Center		3.5
360 Degree Portable Surveillance and Reconnaissance Unit		2.4
Wireless Vibration Sensor Initiative	1.0	
DISTRIBUTED LEARNING ADVANCED TECHNOLOGY		
NetCentric Warrior Training (NetCWT)	2.55	
TECHNOLOGY LINK		
IEE Technology Transfer Project	1.5	
Remote Presence		1.7
Technology Matching System		1.95
Environmental Bioterrorism Detection	1.0	
SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT		
Long Range Biometric Target Identification System	2.0	
PHYSICAL SECURITY EQUIPMENT		
Persistent Perimeter Security with Unmanned Mobile Sensors		6.3
Demonstration and Evaluation of Environmental Management System for Defense Facilities	1.0	
Security Enhancements through Mobile Devices (SEMD)	2.8	
Family of Integrated Rapid Response Equipment	7.8	
JOINT ROBOTICS PROGRAM		
Digital Communicator		1.0

Robotics Curriculum Partnership	1.0		
Under Vehicle Mobile Inspection/Search UGV (ODIS)	4.25		
Remotely Operated Electronic Ballistic Technology	1.0		
National Unmanned Systems Experimentation Environment	2.8		
ADVANCED SENSOR APPLICATIONS PROGRAM			
Ceramics for Next Generation Tactical Laser System	1.5		
Force Protection - Advanced Tactical Geolocation	1.95		
Multi-Wavelength Surface Scanning Biologics Sensor	1.5		
Secure Airborne Freespace Optical Communication	2.1		
Advanced Solid State Dye Laser		2.1	
ENVIRONMENTAL SECURITY TECHNICAL			
Perchlorate Remediation R&D, Rialto-Colton Basin	4.0		
Perchlorate Destruction by UV Catalyzed Iron Reaction	1.5		
BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT			
S-Band Advanced Radar (SBAR) Algorithm Research and Analysis in Support of MDA- Specific Applications	15.0		
Allen Army Airfield Upgrades		22.0	
Fort Greely Power Plan Feasibility Study	2.2		
GMD Enhancements		200.0	
PMRF Upgrades			22.575
Sensor Data Fusion and Communications	2.55		
Range Mission Tool		2.55	
SHOTS			4.25
Multi-Frame Blind Deconvolution	2.55		
BALLISTIC MISSILE DEFENSE BOOST DEFENSE SEGMENT			
Combined Environment Radiation Effects Simulator	1.5		
International Cooperation	4.25		
CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM DEM/VAL			
Nano Intelligent Detection System Handheld Biological Agent Detectors		4.0	
BALLISTIC MISSILE DEFENSE SENSORS			
Improved Materials for Optical Memories		3.85	
Ground-Based Studies of Rocket Plume Signatures	1.0		
BALLISTIC MISSILE DEFENSE TEST & TARGETS			
Scorpius Sub-Orbital Family of Responsive, Low-Cost Rockets			3.0
BALLISTIC MISSILE DEFENSE PRODUCTS			
ACT - Army Counter-Space Technology	14.0		

BALLISTIC MISSILE DEFENSE SYSTEMS CORE		
Electro-Optic Components for Missile Defense	1.3	
Sensor Electronics Life Cycle Cost Reduction	2.55	
Wide Bandwidth Technology (WBT)	1.0	
JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM		
Delta Mine Training Center	4.3	
HIPAS		4.3
CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - EMD		
Chem Bio Defense Initiative	20.0	
Passive Materials for Chemical and Biological Agent Decontamination		1.0
Joint Biological Point Detection	3.5	
Joint Warning and Reporting Network (JWARNS)	2.1	
Array Biosensor Biological Agent Detection System Implementation		2.55
ParallelVax Rapid Vaccine Testing Technology	2.45	
MANPADS DEFENSE PROGRAM		
Counter ManPads Airspace Protection System	2.1	
MANPADS Defense		2.5
JOINT ROBOTICS PROGRAM -EMD		
Joint Robotics Initiative	6.0	
National Center for Defense Robotics	1.5	
INEEL Unmanned Systems Research		2.7
Robotics Greenhouse Initiative	1.75	
Joint Robotics		3.4
Integrated Test Support		4.25
INFORMATION SYSTEMS SECURITY PROGRAM		
JITC Information Assurance Trend/Metric Analysis Support		1.9
Center for Secure Telecommunications	1.0	
JOINT COMMAND AND CONTROL PROGRAM (JC2)		
Internet Protocol Version 6	1.0	
DEFENSE ACQUISITION CHALLENGE PROGRAM		
DACP		4.25
UNEXPLODED ORDNANCE DETECTION AND		
Project Renew		5.0
Wide Area Site Assessment Pilot Program for UXO Cleanup		5.0

TECHNICAL STUDIES, SUPPORT AND ANALYSIS			
NDU Technology Pilot Program			1.0
FOREIGN MATERIAL ACQUISITION AND EXPLOITATION			
Weather Scout UAV			1.0
SUPPORT TO NETWORKS AND INFORMATION			
Pacific Disaster Center			7.0
SMALL BUSINESS INNOVATION			
Electro-Magnetic Flak Impulse Systems Technology		1.5	
FORCE TRANSFORMATION DIRECTORATE			
Operationally Responsive Satellite		20.0	
C4I INTEROPERABILITY			
System of Systems Engineering Center of Excellence	2.55		
INFORMATION SYSTEMS SECURITY PROGRAM			
Center for Computer Security		0.5	
CyberTA			1.0
GLOBAL COMMAND AND CONTROL SYSTEM			
National Information Assurance and Training		1.0	
Joint Information Technology Project - Alaska	10.2		
SPECIAL APPLICATIONS FOR CONTINGENCIES			
Tactical Imagery Communications Unit (TICU)		1.7	
DEFENSE JOINT COUNTERINTELLIGENCE PROGRAM			
Defense Joint Counterintelligence Center, Research and Technology Protection Program			16.0
INDUSTRIAL PREPAREDNESS			
Copper-base Casting Technology Program (C-BCT)	1.2		
Next Generation Manufacturing Technologies Initiative	3.75		
Defense Supply Chain Technology		6.8	
Defense Procurement Technical Assistance Initiative for Small Businesses		1.275	
Manufacturing Engineering of Spray Cooling		12.75	
Advanced Manufacturing Institute		1.5	
Laser Additive Manufacturing			2.0
SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT			
SPIKE Missile Development and Production	2.5		

SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT		
Snapshot Synthetic Aperture Radar	1.0	
Battery-free Remote Sensing	1.5	
ANGELFIRE Active Protection Integrated	7.0	
Sensor/Countermeasure Package Neptune		
Maritime Unmanned Aerial Vehicle	1.2	
Surveillance Augmentation Vehicle-Insertable on Request		1.0
Remote Video Weapon Sight	1.7	
Advanced Multi-purpose Microdisplay System	1.5	
Compact Three-Dimensional Imaging		1.0
Autonomous Navigation Sensor Suites	1.3	
Foliage Penetrating Solid State Synthetic Aperture Radar		5.1
SOF Experimental Technology Integration	2.0	
Land and Sea Special Operations Mobility Systems	1.7	
SPECIAL OPERATIONS TACTICAL SYSTEMS DEVELOPMENT		
Multi-Role, Anti-Armor, Anti-Personnel Weapon System (MAAWS) Multi-Target Warhead	3.4	
Mark V Patrol Boat Replacement Craft Prototype	2.5	
Tactical Systems Development for a SOF Covert Waveform Program	1.0	
Sensor Integration with Lithium Polymer Batteries	2.5	
MBITR Blue Force Tracking capability	2.0	
Tactical Communication Systems Testbed Initiative	2.6	
Next Generation Navigation System	1.0	
Identify Friend or Foe (IFF) Advanced Target Identification for AC-130U	1.3	
Covert Waveform Program		2.3
Maritime Tagging, Tracking, and Locating Program	1.0	
ASDS Budget Realignment/Restructure	18.4	
SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT		
Special Operations Forces Teletraining System	1.0	
Multipurpose Antenna, X-Band (SMAX)	1.7	
SOCOM Microelectromechanical Systems and Nanotechnology		2.6
Foreign Language Translator	1.4	
High Altitude Long Endurance		1.5
Application Specific Integrated Circuit (ASIC) Development		3.5
Joint Threat Warning Systems		4.9

SOF

Only for development of enhancements to Digital Intelligence Situation Mapboards		1.0	
Tactical Radio Frequency Environment Monitor (TREX)	1.0		
Tactical Surveillance Equipment Integrated Remote Video Surveillance		3.2	
Force Protection Electronic Attack Systems CSWAN	5.1		5.25
B-Band Covert Night Vision System		4.9	
Nano-Technology Research Effort		5.6	
TACTICOMP			1.4

CENTRAL TEST AND EVALUATION INVESTMENT

Joint Gulf Range Complex Upgrade		2.0	
UAV Systems and Operations Validation Facility	4.9		
Film Elimination Project			1.0

LIVE FIRE TESTING

Joint Test and Training Rapid Advanced Capabilities	1.0		
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DEFENSE HEALTH PROGRAM

IN-HOUSE CARE

Army Fisher House NAFI		9.5	
Boorda Center		0.65	
Colon Cancer Program (NNMC)		6.0	
Defense and Veterans Head Injury Program	6.0		
Graduate School of Nursing		2.5	
Landstuhl Army Medical Center SRM		8.5	
White River Junction-Fort Ethan Allen Resource Sharing Demonstration		0.5	
Madigan Army Medical Center Trauma Assistance	1.3		
Military-Civilian Education and Sexual Health Decision-Making Program			0.2
Paralyzed Veterans Association		1.0	
Smart Shelf Chain of Custody and Control of Medical Records			4.4
US Air Force Medical Service Database		0.5	
USUHS Training for Medical Readiness against WMD		1.5	
Alaska Federal Health Care Network		2.5	
Automated Clinical Practice Guidelines		5.5	
Brown Tree Snakes			1.0
Center for Disaster Humanitarian Assistance Medicine	1.0		
Digital Access and Analysis of Historic Records at AFIP			17.0

Health Study at the Iowa Army Ammunition Plant	1.0	
Pacific Island Health Care Referral	4.25	
Special Operations Injury Prevention Program	1.65	
Tri-Service Nursing Research Program	6.0	
Tripler Cancer Care		8.5
Walter Reed Army Medical Center SRM	8.5	
Walter Reed Army Medical Center Cancer Screening and Diagnostics	9.8	
INFORMATION MANAGEMENT		
Medical Data Records Conversion at WRAMC	1.0	
Medical Data Records Conversion at NNMC		1.0
PROCUREMENT		
Support Equipment for Amputee Center at Walter Reed Army Medical Center	1.4	
Protected Health Information Initiative	1.0	
RESEARCH, DEVELOPMENT, TEST AND EVALUATION		
Air Force Environmental and Occupational Factors in Womens Health Program	1.3	
Air Force Integrated Medical Information Technology System (IMITS) Initiative	2.6	
Army Peer-Reviewed Breast Cancer Research Program	150.0	
Army Peer-Reviewed Prostate Cancer Research Program	85.0	
Assessment and Demonstration Center for USAF Surgeon General		3.4
Cancerous Brain Tumors Drug Research	1.0	
Military Complementary and Alternative Medicine (MIL-CAM)		2.1
Computer Assisted Medical Diagnostics	1.5	
Direct Real-Time Secure Collaborative Application/Analysis Sharing Environment for the USAF Surgeon General	1.0	
DNI Anthrax Therapeutic		1.7
Genetic Cancer Research in Women	1.5	
Global HIV/AIDS Prevention	7.5	
Healthcare Informatics Testbed	1.7	
Leukemia Research (CLMRP)		4.25
Metabolic Defense		2.2
Life Sciences Research Initiative	0.5	
Muscular Dystrophy Research		2.5
Muscle Research Consortium	3.5	
National Diabetes Model Program	16.0	
Neuroscience Research		4.25
Ophthalmology Training and Education	1.5	
Ovarian Cancer Research Program	10.0	

Periscopic Surgery		2.2
Portable Remote Medical Collection and Relay Capability	1.0	
Preventing Epilepsy after Traumatic Brain Injury		1.0
Prosthetics and Orthotics Education Program		0.575
Rapid Identification and Treatment for AFSOC Forces	4.0	
Real Time Healthcare Management Integration Demonstration with the USAF Surgeon General		1.0
Spinal Cord Injury Research		1.5
Tuberous Sclerosis Complex (TSC)		3.2
United States Military Cancer Institute		5.0
Virtual Colonoscopy - WRAMC		1.3
Virtual Medical Trainer		1.0
Peer Reviewed Medical Research Program		50.0
Aircrew Laser Eye Protection (ALEP)		5.5
Clinical Coupler Integration		2.8
Gulf War Illness		3.75
Hawaii Federal Health Care Network		23.0
Integrative Healing Practices for Veterans	1.4	
Medical Error Reduction Initiative		1.0
National Prion Research Program		1.5
Preventive Medicine Research for Prostate Cancer	1.4	
Telerobotic and Minimally Invasive Surgery at WRAMC	4.1	
Computer-Aided Detection and Diagnostics of Breast Cancer		1.1

DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES

Criminal Information Sharing Alliance Network		4.3
Florida National Guard Counter-Drug Activities		3.0
Indiana National Guard Counter-Drug Activities		0.5
Joint Task Force-6		1.3
Multi-Jurisdictional Counter-Drug Task Force Training		3.5
Nevada National Guard Counter-Drug Activities		1.5
Project Athena Beta Site		1.3
Southwest Border Fence		5.0
Tennessee National Guard Counter-Drug Activities		1.2
Young Marines		2.6
Alaska National Guard Counter-Drug Program		2.6
Hawaii National Guard Counter-Drug Program		2.7
Appalachia High Intensity Trafficking Area		1.1
West Virginia National Guard Counter-Drug Program		2.6
Kentucky National Guard Counter-Drug and HIDTA Program		2.7
Nevada National Guard CD RAID Program		2.3
New Mexico National Guard Counter-Drug Program		1.0
Regional Counter-Drug Training Academy, Mississippi		2.1
Northeast Regional Counter-Drug Training Center		2.8

Midwest Regional Counter-Drug Training Center	3.5
National Guard Counter-Drug Support	18.0
Section 8113 Amended by Conferees providing grants:	
Intrepid Sea-Air-Space Foundation	5.0
Presidio Trust	1.9
Fort Ticonderoga Association	1.0
Military Aviation Museum of the Pacific	8.5
Wings of Liberty Military Museum at Fort Campbell	10.0
United Services Organization	2.6
Galena IDEA Distance Learning Program	5.0
Wing Luke Asian Museum	1.5
Center for Applied Science and Engineering	8.0
Women in Military Service for America Memorial Foundation	1.0
American Red Cross Alleghenies Blood Services Center	2.0
Clarksville-Montgomery County School System, Tennessee	4.0
National Museum of Cavalry and Armor at Fort Knox	1.0
Section 8126-Hi-Desert Memorial Health Care District, Health Demonstration Project, Joshua Tree, CA	2.5
Section 8215-Widening Adobe Road, Twenty Nine Palms, CA	3.9
Section 8135-Flood Control, Naval Magazine, Lualualu, HI	2.6
Section 8136-Chicago Public Schools for Naval Military Academy High School, Chicago, IL	2.1
Section 14005-District of Columbia Public Schools	10.6
TANKER REPLACEMENT TRANSFER FUND	100.0

TOTAL PORK FY 2005 DEFENSE APPROPRIATIONS CONFERENCE REPORT
– \$8.8 Billion