MCCAIN PORK LIST ON THE FY2003 DEFENSE APPROPRIATIONS ACT

Washington D.C. -U.S. Senator John McCain (R-AZ) submitted for the record the following pork list in relation to his statement on the FY2003 DEFENSE APPROPRIATIONS Act:

Military Personnel, Army
Undistributed
Adopted legislative proposals 6.4
Military Personnel, Navy
Undistributed
Adopted legislative proposals 2.9
Military Personnel, Marine Corps
Undistributed
Adopted legislative proposals 0.6
Military Personnel, Air Force
Undistributed
B-52 force structure 3.7
Adopted legislative proposals 4.2
Reserve Personnel, Army
Other Training and Support
Additional AGR end strength (Transfer from BA1) 11.4
Sustainment of current AGR force 26.1
Undistributed
Adopted legislative proposals 1.0
Reserve Personnel, Navy
Undistributed
Adopted legislative Proposals 0.1
National Guard Personnel, Army
Undistributed
Emergency Spill Response and Preparedness Program 0.6
Adopted legislative proposals 2.1
National Guard Personnel, Air Force
Other Training and Support
Additional AGR end strength 0.8
Operation and Maintenance, Army
Operating Forces
USARPAC C4I PACMERS 5.0
USARPAC C4 shortfalls 6.0
Hunter UAV 10.0
Training and Recruiting
SROTC-Air Battle Captain 2.0
SCOLA Language training 1.0
Ft. Knox Distance Learning 3.0
Administration and service wide activities
LOGTECH 2.0
Biometrics support 10.0

Army conservation and ecosystem management 4.0
Innovative Safety Management 5.0
Rock Island Bridge Repair 2.3
Yukon training infrastructure and access upgrades 2.0
Fort Wainwright Bldg. 600 repairs 4.5
Fort Wainwright Utilidors 10.0
Tanana River Bridge Study 1.5
Undistributed
Classified 41.8
Anti-corrsion programs 1.0
Operation and Maintenance, Navy
Operating Forces
Shipyard Apprentice program 10.0
Warfare Tactics PMRF facilities 20.0
Hydrographic Center of Excellence 3.5
Cntr. for Excellence in Disaster Management 5.0
MK-45 Overhaul 15.0
MK-245 Decoys 2.0
Mobilization
Ship Disposal Project 5.0
Training and Recruiting
Naval Sea Cadet Corps 2.0
Administration and Statewide Activities
Navy-Wide PVCS Enterprise License 5.0
Navy Armory Inventory and Custody Tracking 0.8
Flash Detection System 0.9
Undistributed
Classified 29.4
Anti-Corrosion Program 1.0
Stainless steel sanitary spaces 5.0
Operation and Maintenance, Marine Corps
Operating Forces
Polar Fleece shirts 1.0
Undistributed
Anti-corrosion programs 1.0
Operation and Maintenance, Air Force
Operating Forces
B-52 Attrition Reserve 40.0
B-1 Bomber Modifications 11.0
11th AF Range upgrades - fiber optics and power infrastructure 8.0
University Partnership for Operational Support 4.0
Mobilization
PACAF strategic airlift 3.0
Training and Recruiting
MBU-20 Oxygen Mask 4.0
Administration and Service wide activities
Hickam AFB Alternative Fuel Vehicle Program 1.0
Eielson AFB Utilidors 10.0

ALCOM Wide Mobile Radio Network 0.4
Range Residue recycling program 3.0
Undistributed
Classified 81.4
Anti-corrosion Programs 1.0
MTAPP 6.0
Operation and Maintenance, Defense Wide
Operating Forces
SPECWARCOM: Mission Support Center 2.0
Training and Recruiting
Joint Military Education Venture Forum 0.5
Administration and Service-wide activities
Innovative Readiness Training 10.0
DLA-PTAP 5.0
DODEA-UNI Math Teacher Leadership 1.0
Galena IDEA 5.0
OEA CUHSC, Fitzsimmons Army Hospital 10.0
OEA Relocate Barrow Landfill 4.0
OEA Port of Anchorage Intermodal Marine Facility Program 5.0
OSD Clara Barton Center 3.0
OSD Pacific Command Regional Initiative 6.0
OSD Intelligence Fusion Study Continuation 5.0
Undistributed
Legacy(Programs for Naval Archaeology) 12.0
Impact Aid 30.0
Impact Aid for Children with Disabilities 5.0
Operation Working Shield 5.0
Operation and Maintenance, Army Reserve
Operating Forces
ECWCS 4.0
Operation and Maintenance, Air Force Reserve
Administration and service wide activities
Command server activities 4.0
Operation and Maintenance, Army National Guard
Operating Force
ECWCS 6.0
Homeland Security Training Camp Ground 3.8
1st Bn, 118th Infantry Brigade Rifle Range 3.0
Distributed battle simulation program support 0.9
Administration and service wide activities
Information operations 6.0
Undistributed
Additional Military Technicians 11.3
Distance Learning 50.0
Emergency Spill response 0.5
National Guard Youth Challenge, Camp Minden 1.7
SE Regional Training 2.0
Operation and Maintenance, Air National Guard

Operating Forces
ECWCS 4.0
Administration and service wide activities
Information Operations 5.0
Undistributed
Defense Support Evaluation Group - NW 4.0
Montana Air National Guard
Training Range Planning and Study 1.0
Aircraft Procurement, Army
Utility F/W (MR) Aircraft
2 UC-35 aircraft 15.2
UH-60 Blackhawk (MYP)
9 Blackhawk helicopters 96.3
Helicopter-New Training
6 TH-67 helicopters 9.6
AH-64 MODS
Apache engine Spares 64.0
Bladefold kits 2.0
UH-60 MODS
Army NG Pacific CSAR Mods 3.0
DCS-HUMS 6.0
Common Ground Equipment
HELO Maintenance Work Platform System 2.0
Missile Procurement, Army
Patriot System Summary
Additional Missiles 25.0
HIMARS Launcher
Additional Launchers 5.0
Weapons and Tracked Combat Vehicles Procurement, Army
Bradley Base Sustainment
Electronics Obsolescence Reduction 4.5
BFVS Series
Bradely Reactive Armor 35.0
Ammunition Procurement, Army
81MM Mortar, All Types
81MM Mortar, Infared M816 4.0
CTG, Mortar, 120 MM, All Types
White Phosphorus Facility Equipment 13.0
Proj ARTY 155MM HE M107
Additional Funding 1.0
Bunker Defeating Munition (BDM)
SMAW-D Bunker Defeating Munition 5.0
Rocket, Hydra 70, All Types
Additional Funding 40.0
Demolition Munitions, All Types
MDI Demolition Initiators 2.0
Ammunition Peculiar Equipment
Additional Funding 3.0

Provision of Industrial Facilties
Munitions Enterprise Technology Insertion 1.3
Conventional Ammo Demilitarization
Additional Funding 10.0
Arms Inititivae
Additional Funding 10.0
Other Procurement, Army
Tactical Trailers/Dolly Sets
M871A3 22.5 Ton Trailers 3.5
HI MOB Multi-Purp WHLD Vehicles
Additional Vehicels for NG 7.5
Additional Vehicles for Reserve 7.5
Up-Armored Vehicles 29.0
Firetrucks & Associated Firefighting Equipment
Tactical Firefighting Equipment 10.0
Armored Security Vehicles
Additional Vehicles 25.0
Combat Identification Program
Quick Fix Program 1.0
Comms-Elec Equip Fielding
Virtual Patch Crisis Communication Coordination 3.2
Base Support Communications
AK Wide Mobile Radio Program 7.7
Information Systems
USARPAC C4 Equipment 6.0
Sentinel Mods
AN/MPQ-64 20.0
Striker Family
Additional Units 3.5
Automated Data Processing Equip
NG Distance Learning Courseware 7.5
Rock Island Arsenal Automatic Identification Technology 3.0
Regional Medical Distributive Learning 8.0
Digitization of DoD Technical Manuals 40.0
Tactical Bridge, Float-Ribbon
Common Bridge Transporter 4.0
GRND Standoff Mine Detection System
Handheld Standoff Mine Detection System 5.0
Combat Support Medical
Hemorrhage Control Dressings 4.0
Rapid Intravenous Fusion Pumps 2.5
Mission Modules' Engineering
2 Additional Companies 7.0
Logistic Support Vessel
Vessel Completion 8.1
Training Devices, Nonsystem
EST 2000 5.0
Advanced Aviation Institutional Training Simulator 10.0

MOUT Intrumentation at Ft. Campbell 4.0
MOUT Instrumentation at Ft. Richardson 4.3
172nd SIB Army Range Improvement Program 7.5
Aircraft Procurement, Navy
MH-60R
AQS-22 Airborne Low Frequency Sonar (ALFS) 5.0
AH-1W Series
Tailboom strakes 6.5
Night Targeting System 6.0
SH-60 Series
Integrated Mechanical diagnostics 9.0
Special Project Aircraft
AMOSS 5.0
Common Ground Equipment
Direct Squadron Support Training 5.0

Weapons Procurement, Navy
RAM 10.0
Drones And Decoys
ITALD 20.0
CWIS MODS
Block 1B 38.0
Procurement of Ammunition, Navy & Marine Corps
.50 Caliber
.50 Caliber SLAP 0.3
Shipbuilding and Conversion, Navy
Carrier Replacement Program
Advance Procurement 229.0
LCAC SLEP
Additional Craft 22.0

Other Procurement, Navy
Items Less than $5 Million
ICAS 8.0
Operating Forces IPE
IPDE Enhancement and PDM Interoperability 10.0
PHNSY Equipment 15.0
Weapons Range Support Equipment
Mobile Threat Emitter 10.0
PMRF Equipment 9.8
Other Aviation Support Equipment
Joint tactical Data Integration 15.0
SSN Combat Control Systems

SSN Modernization 13.0
Surface ASW Support Equipment
MK 32 SVTT Remnaufacture 5.0
Submarine Training Device Mods
INTERLOCKS Development Tools 4.0
Tactical Vehicles
Additional MTVR 35.0
Other Supply Support Equipment
Serial Number Tracking System 6.0
Procurement, Marine Corps
COMM SWITCHING & CONTROL SYSTEM
Joint Enhanced Corps Communication System 25.0
Material Handling Equipment
Tram 5.0
Training Devices
Live Fire Training Range Upgrades 2.0
Aircraft Procurement, Air Force
C-17(MYP)
Fully Fund Purchase of 15 Aircraft 585.9
Maintenance Trainer 11.3
EC-130J
Purchase 1 additional aircraft 87.0
C-40 ANG
Leasing costs 30.6
B-52
Attrition reserve 25.2
B-52 electronic countermeasures 10.0
F-15
Block Upgrades 15.0
E-kit modifications 20.0
AN/AL-67 (V) 3&4 countermeasure ser 5.0
ALQ-135 Band 1.5 20.0
APG-63 (v)1 Program 7.5
C-130
AAN/AYW-1 dual autopilot (ANG) 0.8
Senior Scout; COMINT system 3.0
NP2000 propeller support upgrades 10.0
MISC Production Charges
Magnetic bearing cooling turbine technology 5.0
LITENING targeting pod upgrades (ANG) 24.9
Missile Procurement, Air Force
AGM-65D MAVERICK
Additional Missiles 4.0
Evolved Expendable Launch VEH
Mission Assurance 14.5
Procurement of Ammunition, Air Force
Sensor Fuzed Weapon
Additional Funding 20.0

Flares
BOL IR MJU-52/B Expendables for ANG 1.0
Other Procurement, Air Force
Intelligence Comm Equipment
Eagle Vision 25.0
Theater Air Control System Improvements
AN/TPS - 75 12.0
Air Force Physical Security
Containment Air Processing System 4.0
Combat Training Ranges
Mobile Remote Emitter Simulators 11.0
AK air Training Upgrade/ P4BE Pods 5.0
11th AF Unmanned Threat Emitter Modification Program 11.0
11th AF JAWSS-Scoring System Processor 6.7
Base Information Infrastructure
AK Wide radio (LMR) Program 6.7
Items Less than $5 Million
Emergency Bailout Parachute System 3.0
Wall Style Troop Seats 3.0
Mechanized Material Handling
Point of Maintenance Initiative-POMX 8.0
Items less than $5 Million
Vaccine Facility Project 1.0
Heilbasket Technology 4.5
Procurement, Defense-Wide
SOF Rotary Wing Upgrades
ATIRCM/CMWS 12.0
SOF Intelligence Systems
Portable Intelligence Collection and Relay Capability 6.0
LAW Trajectory Mounts (M72) 1.0
Maritime Equipment Mods
Mk V Advanced Shock Mitigating Seats 2.0
Individual Protection
M40 Masks 3.0
M45 Masks 1.0
M48 Masks 0.5 MEU Masks 2.5
Decontamination
M12 Decon System upgrades 6.0
M291 Decontamination Kits 1.0
M100 Sorbent Decontamination Kits 1.0
Joint Biological Defense Program
Bio-Detection Kit storage 1.0
JBPDS-BIDS 10.0
Collective Protection
Chem-Bio protective shelters 7.0
Filter Surveillance Program 1.5
M49 Fixed Installation Filter 1.0

Contamination Avoidance
M22 Automatic Chemical Agent Alarms 7.0

Research, Development, Test, and Evaluation, Army
Defense Research Sciences
Animal Modeling Genetics Research 1.0
Biofilm Research 1.0
Integrated Desert Terrain Analysis 4.0
Knowledge Management Fusion Center 5.0
Optical Technologies Research 2.0
Prediction of Land-Atmosphere Interactions 2.5
University and Industry Research Centers
Armor Materials Design - Laser based material processing 2.5
Composite Materials Center of Excellence 0.8
Dendrimer Nanotechnology Research 3.5
Ferroelectric Materials Nanofabrication 1.5
Institute for Creative Technologies 5.0
Jidoka Project 3.0
University Research Coalition for Manufacturing and Design 4.0
University Program in Mobile Robotics 3.0
Materials Technology
Advanced Materials Processing 4.0
Electronics Components Reliability 2.5
FCS Composite Research 3.0
Future Affordable Multi-Utility Materials for FCS 2.0
Low Cost Enabling Technologies 3.0
Sensors and Electronic Survivability
Advanced Sensors and Obscurants 2.0
Missile Technology
Advanced Composite Chassis 2.0
E-Strike Short range Air Defense radar 3.0
Advanced Concepts and Simulation
Institute for Creative Technologies - Interactive training tech... 5.0
Photonics 5.0
Combat Vehicle and Automotive Technology
21st Century Truck 17.0
Advanced Coatings Research 1.5
COMBAT 5.0
Fastening and Joining Research 1.8
Next Generation Smart Truck 4.0
Chemical, Smoke, and Equipment Defeating Technology
Vaporous Hydrogen Peroxide Technology 8.0
Weapons and Munitions Technology
Nanotechnology Consortium 2.0
Phyto-Extraction Technology 3.0

Electronics and Electronic Devices
Display and Development and Evaluation Laboratory 3.5
Flat Panel Displays 10.0
Low Cost Reusable Alkaline Manganase Zinc 0.6
Portable Hybrid Electric Power Systems 2.0
Countermine Systems
Acoustic Landmine Detection 3.0
Polymer based landmine Detection 2.0
Environmental Quality Technology
Environmental Response and Security Protection (ERASP) Program 5.0
Military Engineering Technology
Center for Geo-Sciences 2.0
Stationary Fuel Cell Initiative 10.0
University Partnership for Operational Support 4.0
Warfighter Technology
Chemical/Biological Nanoparticle Materials 3.5
Medical Technology
Dermal Phase Meter 1.5
EndoBioligics Vaccination Program 2.0
Gulf War Illness 1.0
International Rehabilitation Network 5.0
Hemorrhage Control Dressings 3.5
Remote Acoustic Hemostasis 4.6
Tissue Replacement and Repair for Battlefield Injuries 2.5
Warfighter Advanced Technologies
Biosystems Technology 5.0
Personnel Navigation for Future Warfighter 5.0
Scorpian Future Combat Helmet 8.0
Medical Advanced Technologies
Brain, Biology, and Machine Initiative 5.0
Center for Integration of Medicine and Innovative Technology 10.0
Juvenile Diabetes Research 3.0
Laser Fusion Elastin 5.0
Medical Simulation training Initiative(MSTI) 1.0
National Bioterrorism Civilian Medical Response(CIMERC) 1.0
Rural Telemedicine Demonstration Project 1.3
Texas Training & Technology for Trauma and Terrorism 11.0
Aviation Advanced Technology
UAV Data links-AMUST 3.0
Combat Vehicle and Automotive Advanced Technology
Composite Body Parts CAV Technology Transition 3.0
Hybrid Electric Vehicles 7.5
IMPACT 5.0
Mobile parts Hospital 8.0
NAC Standardization Exchange for Product Data (N-STEP) 3.0
Pacific Rim Corrosion Project 3.0
Rapid Prototyping 2.0
Tracked Hybrid Electric Vehicle 1.0

Command, Control, Communications, Advanced Technology
Networking Environmental for C3 Mobile Services 4.0
Manpower, Personnel, and Training Advanced Technology
Army Aircrew Coordination Training 2.0
Missile Simulation Technology 11.0
Landmine Warfare and Barrier Advanced Technology
Advanced Demining Technology 5.0
Electromagnetic Wave Detection and Imaging Transceiver 2.5
Joint Service Small Arms Program
Objective Crew Served Weapons 5.0
Night Visions Advanced Technology
Night Vision Fusion 4.5
Warfighter/Firefighter Position, Location, and Tracking Sensor 3.0
Military Engineering Advanced Technology
Canola Oil Fuel Cell 1.5
Proton Exchange Membrane (PEM) Fuel Cell Technology 5.0
Solid Oxide Fuel Development 5.0
Advanced Tactical Computer Science and Sensor Technology
IMRSV Program for Simulation Based Operation 3.0
Army Missile Defense System Integration 14.0
Kodiak Launch Infrastructure, Transportation and Security 10.0
SMDC Institute for Chemical Assembly of Nanoscale 3.0
Targeted Defense for Asymmetric Biological Attack(TDABA) 1.0
Army Missile Defense Integration (DEM/VAL)
Advanced Tactical Operations Center 1.0
Battlefield Ordnance Awareness (BOA) 6.5
Cooperative Micro-Satellite Experiment (CMSE) 5.0
Eagles Eyes 4.0
Enhanced Scamjet Mixing 3.0
Family of Systems Simulator(FOSSIM) 2.0
Low Cost Interceptor (LCI) 8.0
MTHEL 20.0
P-3 Micro-Power Devices for Missile Applications 3.0
Radar Power Technology 4.5
Supercluster Distributed Memory Technology 4.0
Tank and Medium Caliber Ammunition
MRM/TERM TM3 15.0
Environmental Quality Technology Dem/Val
Army Environmental Enhancement Program 1.0
Casting Emissions Reductions Program 8.0
Transportable Detonation Chamber 5.0
Waste Minization and Pollution Prevention 3.0
Logistics and Engineer Equipment - Adv. Dev
Composite Prototype Hull Design for Theater Support Vessel 5.5
All Source Analysis System
Non-traditional Intelligence Analysis Toolset (NTIAT) 1.0
Family of Heavy Tactical Vehicles
HEMTT 2 Technology Insertion Program 16.0

Future Combat Systems SDD (formerly Armored Systems Modernization)
Non-Line of Sight Cannon Development 173.0
Combined Arms Tactical Trainers (CATT) Core
AVCATT A Upgrade 1.5
Aviation Eng. Dev.
High Level Ballistic Protection 0.5
Weapons and Munitions - Eng. Dev
Commonly Remotely-Operated Weapons System Station (CROWS) 2.0
Mortar Anti-Personnel Anti-Material (MAPAM) 5.0
Command, Control, Communications Systems -Eng. Dev 9.0
Applied Communications and Information Networking (ACIN) 17.0
SLAMRAM 2.0
Combat Identification
Integrated Battlefield Combat Situational Awareness System(IB-CSAS)4.6
Information Technology Development
JCALS 25.0
Electronic Commodity Program 1.0
Threat Simulator Development
Multi-Made Top Attack Threat Simulator Program 3.0
RF/SAM Threat Simulator 3.0
Concepts Experimentation Program
Battle Lab Fort Knox 3.0
Army Test Ranges and Facilities
Cold Region Test Activity Infrastructure 2.5
Hybrid Electric Vehicle testing only at Cold Region Test Activity 5.0
Non-Discarding SABOT Technology only at Cold Region Test Activity 2.0
DOD High Energy Laser Test Facility
HELSTF infrastructure Upgrades 3.0
Technical Information Activities
Knowledge Management Fusion 1.5
Munition Standardization, Effectiveness Safety
Plasma Ordnance Demilitarization System (PODS) 2.0
Combat Vehicle Improvement Program
Abrams M1A1 Fleet Sidecar/Embedded Diagnostics 3.5
Aircraft Modification/Product Improvement Program
Blackhawk Dual Digital Flight Control Computer 4.0
Integrated Mechanical Diagnostics - HUMS, UH60L Demonstration 20.0
Digitization
University XXI Digitalization Support At Fort Hood 2.0
Special Army Program
SASC add 4.0
Security and Intelligence Activities
Language training Software 5.2
Base Protection and Monitoring System 4.0
Contiguous Connection Model (CCM) 4.0
Information Systems Security Program
Biometrics 5.6
ISSP 3.5

End Item Industrial Preparedness Activities
Bipolar wafer cell NiMH 2.0
Continuous Manufac Process for Metal Matrix Composites 0.5
MANTECH for Cylindrical Zinc Air Battery for Land warrior Sys. 3.0
MERWS - Phase II 5.7
Army Space & Missile Defense Command
Domed Housing 2.0

Research, Development, Test, and Evaluation, Navy
Defense Research Sciences
Consortium for Military Personnel Research 2.0
Robotic Mine Countermeasures 3.0
Power Projection Applied Research
Interrogator for High Speed Research 2.0
Low-cost Fused Remote Sensors for Target Identification 2.0
Force Protection Applied Research
Anti-Corrosion Modeling Software 2.5
Endeavor 4.0
Fusion Processor 4.0
Integrated Fuel Processor - Fuel Cell System 3.0
Laser Welding and Cutting 3.0
Miniature Autonomous Vehicles (MAVs) 1.5
Modular Advanced Composite Hull Form 2.0
Small Watercraft Demonstrator 5.0
Unmanned Sea Surface Vehicles 9.0
Communications, Command and Control, Intelligence, Surveillance
Common Senor Module 3.0
Materials, Electronics and Computer Technology
Innovative Communications Materials - Thick Film 1.0
Common Picture Applied Research
Modular Command Center 15.0
Tactical Component Network Applications Integration 35.0
Theater Undersea Warfare 10.0
UESA 15.0
Warfighter Sustainment Applied Research
Advanced Fouling & Corrosion Control Coatingss 7.0
Advanced Materials and Intelligent Processing 3.0
Biodegradable Polymers for Naval Applications 1.3
Bioenvironmental Hazards Research Program 2.0
Carbon Foam for Navy Applications 0.5
Modernization Through Remanufacturing and Conversion (MTRAC) 4.0
Ceramic and carbon based Materials 2.0
Titanium Matrix Composites Program 2.6
Visualization and Technical Information 2.0
RF Systems Applied Research

Advanced Semiconductor Research 1.5
High Brightness Electron Source Program 3.0
Maritime Synthetic Range 6.0
Nanoscale Science and Technology Program 3.0
Silicon Carbide High Power Diode Development 2.5
Wide Bandgap Silicon Carbide Semiconductor Research 2.5
Ocean Warfighting Environment Applied Research
Hydrography Research 2.5
SEACOOS - Southeast Atlantic Coastal Ocean Observing System 8.0
Undersea Warfare Applied Research
Acoustic Temperature Profiler 3.0
Low Acoustic Signature Motor (LAMPREY) 3.5
SAUVIM 2.0
Magnetorestrictive Transduction (TERFENOL-D) 5.4
Power Projection Advanced Technology
HYSWAC Lifting Body Development 7.0
LSC(X) 12.0
Precision Strike Navigator 1.0
Variable Engine Nozzle 3.0
Vectored Thrust Ducted Propeller Helicopter Tech. Demo 4.0
Force Protection Advanced Technology
HTS AC Synchrous Propulsion Motor and Generator 10.0
Wave powered Electric Power Generating System for Remote Naval 4.0
Common Picture Advanced Technology
Improved Shipboard Combat Information Center 6.0
Warfighter Sustainment Advanced Technology
Energy and Environmental Technology 4.0
Integrated Aircraft Health 2.0
Wire Chaffing Detection Technology 2.0
Marine Corps Advanced Technology Demonstration
Project Albert 7.0
Environmental Quality and Logistics Advanced Technology
National Surface Treatment Center 4.0
Undersea Warfare Advanced Technology
University Oceanographic Laboratory System(UNOLS)) 5.0
Advanced Technology Transition
Man-portable Quadrople Resonance Landmine Detection Program 5.0
Aviation Survivability
Modular Helmet 3.0
Rotorcraft External Airbag Protection System (REAPS) 4.0
ASW Systems Deployment
LASH ASW 5.0
Surface Torpedo Defense
Anti-Torpedo 2.0
Carrier Systems Development
Advanced Battlestation/Decision Support System 6.0
Shipboard System Component Development
MTTC/IPI 8.0

REPTILE - Regional Electric Power Tech Integration and Leveraging 1.0
Surface Vessel Torpedo Tubes-Airbag Technology 5.0
Advanced Submarine System Development
Electronic Motor Brush Technology 3.0
Electromagnetic Actuator Development 1.9
Fiber Optic Multi line Towed Array (FOMLTA) 5.0
High Performance metal Fiber Brushes 7.5
Rotary Electromagnetic (Torpedo) Launcher System 2.0
Ship Concept Advanced Design
Advanced, Integrated Low-Profile Antenna(HF, VHF, UHF) 4.0
Marine Corps Ground Combat/Support System
Innovative Stand-off Door Breeching Munition 2.5
Nanoparticles for the neutralization of Facility Threats 3.0
Navy Energy Program
Proton Exchange Membrane (PET) Fuel Cell Technology 5.0
Thermally Activated Chiller/Heater 2.5
Land Attack Technology
Semi-Automated IMINT Processing (SAIP) 2.0
Nonlethal Weapons Dem/Val
Joint non-lethal Weapons Technology Innovation 2.0
Urban Ops Environment Research 2.0
E-2C Radar Modernization
E-2C Technical Upgrade for Optimized Radar 8.0
SC-21 Total Ship Engineering
Littoral Combat Ship Research and Development 30.0
Power Node Control Centers 2.0
Surface Combatant Combat System Modernization Program
Silicon Carbide MMIC Producibility Program 3.0
DDG-51 Optimized Manning Initiative 5.0
Solid-State Spy-1E Multi Mission Radar 3.0
Shipboard Aviation Systems
IASS/ITI 4.0
SSN-21 Developments
SEAFAC Range Upgrade 15.0
Submarine Tactical Warfare System
CCS MK2 -Submarine Combat System Modernization Program 14.5
Unguided Conventional Air-launched Weapons
Light Defender 6.0
Lightweight Torpedo Development
Align lightweight and heavyweight torpedo baselines 5.0
Navy Energy Program
Photovoltaic Energy Park 2.5
Battle Group Passive Horizon Extension System
Cooperative Outboard Logistics Update Digital Upgrade 5.0
Ship Self Defense (Engage: Hard Kill)
Phalanx SEARAM 15.0
Ship Self Defense (Engage: Soft Kill)
NULKA decoy improvements 9.2

Radar Tiles for Reduced Surface Ship Signature 1.0
Medical Development
Coastal Cancer Center 5.0
Naval Blood Research Laboratory 3.0
Treatment of Radiation Sickness Research 4.0
Distributed Surveillance System
Advanced Deployable System 5.0
Joint Strike Fighter(JSF)- EMD
F136 Interchngable Engine 35.0
Information Technology Development
Condition Based Maintenance Enabling Technologies 0.6
Management, Technical & International Support
Combating Terrorism, Wargamming & Research 2.0
Marine Corps Program Wide Support
Nanoparticles Responses to Chemical and Biological Threats 3.0
Navy Science Assistance Program
LASH Airship Test platform Support 2.0
LASH ISR/Mine Countermeasures 8.0
Marine Corps Communications Systems
Improved High performance Long-Range Radar Transmitter 3.0
Marine Corps Ground Combat/Supporting Arms System
Navy Body Armor Upgrades 1.0
Information Systems Security Program
HG-40A Modernization Program 2.0
Joint C4ISR Battle Center (JBC)
Strategic Interoperability Initiave 4.0
Modeling and Simulation Support
Naval Modeling and Simulation 3.0

Research, Development, test, and Evaluation, Air Force
Materials
Composite materials training program 0.5
Nanostructured Materials 5.0
Advanced materials Deposition for Semiconductor Nano 1.5
Closed cell foam material 1.0
Durable coatings for aircraft systems 4.0
Free electron laser materials processing 3.0
Titanium Matrix 4.4
Metals affordability initiative 7.5
Nanstructured protective coatings 2.0
Strategic partnership for nanotechnology 6.0
Cost-effective composite materials for UAVs 2.5
Human Effectiveness Applied Research
Human effectiveness applied research 9.8
Aerospace Sensors

AFRL information and sensors directorate 2.5
Space Technology
Lightweight and novel Structures 1.0
HAARP incoherent scatter radar 3.0
ICASS 2.0
Seismic nuclear Test Monitoring research 5.0
Substrates for solar cells 2.0
Carbon foam for aircraft and spacecraft 0.5
TechSat 21 5.0
Command, Control, and Communications
Information protection and authentication 3.0
Secure Knowledge management 5.0
Advanced Materials for Weapons Systems
Low bandwidth medical collaboration 2.0
Powdered programmable process 5.0
Assessing aging of military aircraft 2.0
Ceramic matrix composites for engines 5.0
Flight Vehicle Technology
E-SMART threat agent network 5.0
Aerospace Technology DEV/DEMO
Sensor Craft (UAV) 5.0
Aerospace Propulsion and Power Technology
Advanced Aluminum aerostructures 4.0
Crew Systems and Personnel Protection
TALON 5.0
Advanced Spacecraft Technology
Robust aerospace composite materials/structures 3.5
Thin amorphous solar arrays 10.0
MAUI space Surveillance System (MSSS)
MSSS operations and Research 35.0
PANSTARS 15.0
Multi-Disciplinary Advanced Development Space Technology
Aerospace relay mirror system 7.0
Conventional Weapons Technology
LOCAAS 7.0
C31 Advanced Deployment
Fusion SIGNIT enhancements to ELINT 4.0
Pollution Prevention (DEM/VAL)
02 Diesel air quality improvement at Nellis, AFB 1.0
B-2 Advanced Technology Bomber
LO maintenance improvements 10.0
EW Developments
BLAID upgrade to ALR-69 14.7
MILSTAR LDR/MDR Satellite Communications
Painting and coating pollution prevention 1.0
Agile Combat Supprt
Deployable Oxygen System 2.5
Life Support Systems

Crew Seating 2.5
SEE-RESCUE distress streamer 4.0
Distributed Mission interoperability toolkit (DMIT) 4.0
Combat Training System
Air Combat training ranges 3.0
Integrated C2 Application
ASSET/eWing 3.0
RDT&E For Aging Aircraft
Landing gear life extension 10.0
Link-16 Support and Sustainment
611th AOG enhanced tactical data display link 8.0
Major T&E Investment
Mariah II hypersonic wind tunnel 10.0
AF TENCAP
GPS jammer defection and location 3.0
National Air Intelligence Center
NAIC space threat assessment 1.0
NAIC threat modeling 2.0
Information Systems Security Program
Lighthouse cyber security program 7.5
Endurance Unmanned Aerial Vehicles
Global Hawk lithium batteries 2.0
Airborne Reconnaissance Systems
SYERS 4.0
Ultra-wideband airborne laser communications 3.0
Theater airborne reconnaissance (TARS) P31 13.6
Manned Reconnaissance Systems
Network-centric collaborative(NCCT) 4.0
Industrial Preparedness
Bipolar wafer-cell NiMH battery 2.0
Productivity, Reliability, Availability (PRAMPO)
Modeling/Re-engineering for Oklahoma City ALC 4.0

Research, Development, Test, and Evaluation, Defense-Wide
Defense Research Sciences
Advanced photonics composites 2.0
University optoelectronics 2.0
Life Science Education and research 5.0
Molecular electronics 2.0
University Research Initiatives
Infotonics 4.0
MEMS Sensor for rolling element bearings 1.5
Nanoscience and nanomaterials 5.0
Corrosion protection of aluminum alloys in aircraft 2.0
Fastening and joing research 1.0

Secure Group communications 2.0
University Bioinformatics 2.0
AHI 4.0
Defense Experimental Program to Stimulate Competitive Research
DEPSCOR 10.0
Chemical and Biological Defense Program
Bug to drug countermeasures 5.0
Chemical Warfare protection 1.2
Detection of chem-bio pollutant agents in water 5.0
Nanomulsions of decontamination 5.0
Bioprocessing Facility 7.0
Historically Black Colleges and Universities
American Indian Tribal Colleges 3.5
Technical assistance program 3.0
Embedded Software and Pervasive Computing
Software for autonomous robots (AE-02) 2.0
Biological Warfare Defense
Bioscience Center for Infoscience 2.1
Chemical and Biological Defense Program
Chem-bio defense initiatives fund 25.0
Tactical Technology
CEROS 7.0
Materials and Electronics Technology
Heat actuated coolers 2.0
Optoelectronics 5.0
Fabrication of 3-D structures 4.0
Strategic Materials 4.0
Friction stir welding 1.0
WMD Defeat Technology
Deep Digger 3.0
Explosive Demilitarization Technology
Explosives demilitarization technology project 3.0
Hot gas decontamination HWAD 3.2
Innovative demilitarization technologies 4.0
Metal reduction and processing 1.5
Rotary furnace- HWAD 0.6
Water gel explosive/program delays 0.6
Combating Terrorism Technology Support
Asymmetric warfare initiative 3.0
Blast mitigation testing 5.0
Counter-Terrorism ISR system (CT-ISR) 3.0
Electrostatic Decontamination System 9.0
NG multi-media security technology 2.5
Ballistic Missile Defense Technology
Massively parallel optical interconnects 2.0
Wide Bandgap Silicon Carbide semiconductor research 5.0
Gallium Nitride high power microwave switch 4.0
Bottom anti-reflective coatings (BARC) 5.0

Improved materials for Optical memories - Phase II SBIR 3.3
PMRF upgrades 25.0
ESPRIT 3.5
Range Data monitor 3.5
Thick Film silicon coatings 3.0
SHOTS 5.0
High data rate communications 5.0
Advanced RF technical development 4.0
AEOS MWIR adaptive optics 3.0
Wafer scale (ultra flay) planarization 5.0
High resolution color imaging 5.0
Chemical and Biological Defense Program
Bio-adhesion research 3.0
Advanced Chemical detector 6.0
Agroterror prediction and risk assessment 5.0
High intensity pulsed radiation facility for chem-bio defense 2.0
Vaccine Stabilization 3.0
Special Technical Support
Graphic Oriented Electronic Technical Manuals 1.5
Generic Logistics R&D Tech. Demonstrations
Fuel Cell locomotive 1.0
Computer assisted technology transfer (CATT) 4.0
Microelectronics testing tenchnology/obsolescence program 10.0
Ultra-low power battlefield sensors 25.0
Chameleon mini wireless system 5.0
Vehicle fuel cell program 10.0
Agile Part Demonstration (CCDOT) 5.0
New England Manufacturing supply chain 6.0
Advanced Electronic Technologies
Defense Tech Link 1.5
Advanced lithography - thin film research 6.0
Advanced Concept Technology Demonstrations
Guardian portable radiation search tool 5.0
High Performance Computing Modernization Program
Missile Defense engineering and assessment center 20.0
High Performance visualization initiative 1.5
MHPCC 5.0
Simulation Center HPC upgrades 2.0
Sensor and Guidance Technology
Large Millimeter telescope 3.0
Joint Wargamming Simulation Management Office
rapid 3-D visualization database 2.0
Joint Robotics Program
Deployable/mission-oriented robots 5.0
Tactical unmanned ground vehicle 2.0
Unmanned ground vehicles 2.0
CALS Initiative
CALS 7.0

Ballistic Missile Defense System Segment
Maintain T&E Levels 10.0
Ballistic Missile Defense Terminal Defense
Arrow 80.0
Ballistic Missile Defense Sensors
Airborne infrared surveillance (AIRS) 10.0
Ramos solar arrays 10.0
Joint Service Education and training Systems Development
Academic advanced distributed learning co-lab 1.0
Joint electromagnetic Technology Program
HIPAS observatory 3.0
Delta Mine training Center 3.0
Joint Robotics Program -EMD
Field testing support 10.0
Tactical mobile robot 4.8
General Support to C31
Pacific Disaster Center 7.0
Classified Programs
Information Security Scholarships 10.0
Development Test and Evaluation
Big Crow test support activities 5.0
Partnership for Peace (PFP) Info. Management
Information Systems 1.0
Information Security System Program
Network, Information, and Space Security Center 4.0
Global Command and Control System
Joint Information Technology Center 7.0
Defense Imagery and Mapping Program
Feature Level database development 4.2
Intelligent spatial technologies for smart maps 1.0
BRITE 4.0
PIPES 9.0
Defense Joint Counter Intelligence Program
Joint Counterintelligence Assessment group(JCAG) 15.0
Industrial Preparedness
Laser additive manufacturing 6.0
Special Operations Tactical Systems Development
Joint threat warning systems 1.8
Precision Target Locator Designator (PTLD) 4.1
TACNAV light vehicle-mounted land nav system 3.0
Special Operations Intelligence Systems Dev
Embedded IBS receivers 1.0
SOF Operational Enhancements
Fusion goggle system 5.0
Nano-technology research 5.0

Operational Test & Evaluation, Defense
Test 7 Evaluation Technology
Test & Eval. Science & Tech, 4.0
Central Test and Evaluation Investment Development (CTEIP)
T&E Transfers from DOD - Wide Acquisition programs 70.0
Joint Directed Energy Combat Operations And Employment (JDECOE) 1.0
Live Fire Testing
Live Fire Test and Training Program 4.0
Reality Fire Fighting/Homeland Security Training 1.5
TOTAL FY2003 DEFENSE APPROPRIATIONS MEMBER ADD-ONS = $5.2 Billion