

Line Title	Committee Recommended
Defense-wide	
1 DTRA UNIVERSITY STRATEGIC PARTNERSHIP BASIC RESEARCH	
Combat Effective Facial Armor Research and Development	1,500
Dual Use Technologies for Bio-defense	1,500
2 DEFENSE RESEARCH SCIENCES	
Nanoscience Nanotechnology Institute	3,000
High Energy Laser for Detection, Inspection and Non- destructive Testing	2,000
Illinois Institute of Technology	1,300
Nanocrystal Source Display	1,500
Bacterial Ghost Influenza Vaccine Development	2,000
Advanced Research to Further National Security Goals	1,000
3 GOVERNMENT/INDUSTRY COSPONSORSHIP OF UNIVERSITY RESEARCH	
Nanotechnology initiative at Shaw University	1,000
New York Structural Biology Center	2,000
Integrated Cryo-cooled High Power Density Systems	2,000
Focus Center Government-Industry Constoria for University Research	3,000
6 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	
Detection of Biological Agents in Water	2,500
Diamond MEMS Sensors for Real-Time Sensing of Weaponized Pathogens	1,000
Portable Continuous Monitor for Biodetection	2,000
Portable Rapid Bacterial Warfare Detection Unit	5,500
Rapid Response Database Systems Initiative	1,000
Initiative for Defense Against Bio-Warfare and Bio- Terrorism	2,000
Zumwalt National Program for Countermeasures to Biological and Chemical Threats	1,000
Chemical/Biological Preparedness Center - Advanced Development of Mobile Rapid Response Prototype	4,250
Garden State Cancer Center Vaccine Development Program	1,000
Novel Viral Biowarfare Agent Identification and Treatment (NOVBAIT)	4,000
8 MEDICAL FREE ELECTRON LASER	
Medical Free Electron Laser	2,000
11 INFORMATION AND COMMUNICATIONS TECHNOLOGY	
National Repository of Digital Forensic Intelligence/Center for Telecommunications and Network Security	1,400
Secure Open Systems Institute	3,000
Software Assurance Education and Research Institute	1,000
13 BIOLOGICAL WARFARE DEFENSE	
Biomedical Engineering Initiative	500
14 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	
Asymmetrical Protocols for Biodefense: Rapid Acting Broad Spectrum Protection Against Biological Threat	3,000
Chemical Warfare Agent Fate Model Verification and Validation	1,000
Point-of-Care Diagnostic System	1,000

Line Title	Committee Recommended
Defense-wide	
Biosurety Development and Management Program	800
Strategic Bioterrorism Response for Battlefield Survival	1,800
Virus Mutation and Virus Transfer from Humans to Animals	3,000
Mixed Oxidants for Chemical and Biological Decontamination	5,000
Self-Decontaminating Polymer System for Chemical and Biological Warfare Agents	7,000
Rapid Forensic Evaluation of Microbes in Biodefense	1,000
Continuation of Unmanned Vehicle CBRNE Unitary Sensor Suite Development and Demonstration	2,000
Countermeasures to Chemical/Biological Control-Rapid Response	5,000
Multifunctional Particles for Defeating CBWA (Chemical and Biological Warfare Agents)	1,000
HyperAcute Vaccine Development	1,850
16 TACTICAL TECHNOLOGY	
Optinet Sensor System	1,000
21 WEAPONS OF MASS DESTRUCTION DEFEAT TECHNOLOGIES	
Fissile Material Detection Research	26,500
University Strategic Partnerships	3,000
Simulated Virtual Prototype Environment Development	1,000
Comprehensive National Incident Management System	3,000
Center for Nonproliferation Studies, Monterey Institute for International Affairs	2,000
Remote Sighting System	1,000
PROTECTOR-DACS	3,000
National Center for Blast Mitigation and Protection	1,000
23 SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT	
Pulsed Energy Projectile (PEP)	1,000
Special Operations Forces Network Centric Sharing and Storage	1,000
Nickel Boron Metal Coating Technology for USSOCOM Vehicle Systems	2,000
Athena - Threat Signal Locator	1,000
Advanced Multi-Purpose Microdisplay System	1,000
Flashlight Soldier-to-Soldier Combat ID System (FSCIS)	2,000
Improved Sensor Systems	2,500
27 SO/LIC ADVANCED DEVELOPMENT	
Aerial Canopy Sensor Delivery System (ACSDDS)	1,000
BIGFOOT Tag Airborne Receiver	5,000
Extended-Lifetime Radioisotope Batteries	1,000
Day Night Wide Area Surveillance System	2,000
28 COMBATING TERRORISM TECHNOLOGY SUPPORT	
Automated Language Translation	3,000
Counterinsurgency Biometrics Tactical Census Authentication Enrollment and identification System	2,500
CT-OAS Counterterrorism-Quality Assurance Science program	1,500
DICAST System Enhancement	3,000

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Defense-wide	
Early Responders Distance Learning Center (ERDLC): Scenario and Incident Based Port Security Training	1,000
EDIT Advanced Shallow Subsurface Tunnel, Bunker and Cache Detection	1,000
DIFAR Sensor System	2,000
Roll-On, Roll-Off Reconnaissance Pellet Improvement	6,000
Facility Security Using Tactical Surveys	3,000
Law Enforcement Test Bed for Counter-Insurgency Tactics, Techniques and Practices	2,000
Port and Hull Security 3D, Real Time Sonar-System Echoscope	3,000
Comprehensive Maritime Domain Awareness	3,000
Accelerated DT&E of Affordable Robust Mid-Sized UGVs for Defense & Homeland Security Applications	1,000
Contextual Arabic Blog and Slang Analysis Program	1,000
29 COUNTERPROLIFERATION INITIATIVES- PROLIFERATION PREVENTION & DEFEAT	
Low Power Next Generation Portable Radionuclide Detection & ID Systems	2,000
Stand-off Chemical Detector for SOF Venture	2,000
AELED IED Detection for Naval UAVs	1,000
Continuation of Advanced Materials Research for Nuclear Detection, Counter-proliferation and Imaging	2,500
30 BALLISTIC MISSILE DEFENSE TECHNOLOGY	
Advanced Surface Radar Technologies (ASuRT)	3,000
Aluminum Nitride for Substrates and Devices	2,000
34 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - ADVANCED DEVELOPMENT	
Develop & Test Environmentally Safe Biocides for Bio- Defense	500
Fraunhofer USA Center for Molecular Biology	1,000
Hand-held Nanotechnology Enabled Bio-warfare Agent identification System	3,000
Long Range Stand Off System for Detection of Biological Materials	1,000
Myeloid Progenitor for Acute Radiation Syndrome	3,000
Carbon Nanotube Chemical Detector	1,000
Surface Enhanced infrared Detection of Threats	3,300
Regenerative Chemical Biological Filtration Systems	2,500
Small Accelerators and Detection Systems for Homeland Defense and National Security Applications	2,000
Total Perimeter Surveillance (TPS)	2,000
Warfighter Personnel Decontamination	1,000
Acinetobacter Baumannii Research	2,000
Antioxidant Micronutrient Therapeutic Countermeasures for Chemical Agents	1,000
Anthrax Monoclonal Antibody Therapeutic and Prophylaxis Program	2,000
UCLA High Speed and High Volume Laboratory Network for Infectious Diseases	5,000
Modular Raman Chem/Bio Detection System	1,000
Photo Catalytic Oxidation (PCO) Demonstration for Water Reuse	2,500
Environmental Bioterrorism Detection Program	2,500

Line Title	Committee Recommended
Defense-wide	
36 JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS	
Distributed Network Switching Joint Capability Demonstration	2,000
40 DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM	
Light Weight Composite Brakes for Armored Wheeled Vehicles	1,000
Clafin University Detection and Remediation Response to Biological and Chemical Weapons Protect	2,500
41 JOINT ROBOTICS PROGRAM/AUTONOMOUS SYSTEMS	
Joint Robotics Initiative	5,000
Autonomous and Semi-autonomous Manipulation for Ground Robots	500
42 GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS	
Advanced Mobile Microgrid System	3,000
Aging Systems Sustainment and Enabling Technologies (ASSET)	2,500
Emerging Critical interconnection Technology Program (EXIT)	1,000
Parts Backorder Reduction	3,000
Advanced Mobile Microgrid System	5,500
45 MICROELECTRONIC TECHNOLOGY DEVELOPMENT AND SUPPORT	
Agile JTRS Integrated Circuits	2,000
Defense Command Integration Center	1,000
End to End Semi Fab Alpha Tool	2,000
Semi Conductor Photomask Technology Initiative	3,000
High Specific Energy Rechargeable Battery	2,000
Superlattice Nanotechnology	2,000
University Materials Characterization and Metrology Center	1,500
Spintronics Memory Storage Technology	3,000
3D Electronics	1,000
Carbon Nanotube Thin Film Near Infrared Detector	1,000
Next Generation Supercomputer IA Prototype for the NRL	5,000
Advanced Dynamic Optics Program	1,500
Foliage Penetrating Acoustically Cued Imagery Sensor	3,000
47 ADVANCED ELECTRONICS TECHNOLOGIES	
Computing and Nanoscale Electronic Processing	1,500
The Center for Advanced Microelectronics Manufacturing	2,000
49 ADVANCED CONCEPT TECHNOLOGY DEMONSTRATIONS	
Power Dozer Side-Casting Technology Operational Capability/Integration Evaluation	2,000
50 HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM	
Data-intensive, High-Performance Computing-Phase 4	2,000
60 QUICK REACTION SPECIAL PROJECTS	
Semi-Autonomous Robotic Manipulation and Sensing	1,500
Counter Sniper Protection System (CSPS) Turret	1,400
61 JOINT EXPERIMENTATION	
Cultural and Societal Modeling & Simulation	3,200

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Defense-wide	
Joint Urban Fires Prototype (JUFP)	1,500
Joint Experimentation Visualization	2,000
64 TECHNOLOGY LINK	
First Link/Mil Tech First Responder Product Engineering and Test & Evaluation Program	2,000
65 SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT	
11m RIB Replacement Craft Design	1,000
Field Experimentation Program for Special Operations	2,000
Information Networking For Operational Reporting and Monitoring (INFORM)	2,500
Waterway Threat Detection Sensor System	3,000
Improved Information Transfer for Special Forces	4,000
66 NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT	
Integrated Base Defense Operation Planning Process	1,000
Integrated High Activity Response System (INHARS)	5,000
Digital Network Centric Remotely Operated Weapons System	1,000
69 JOINT ROBOTICS PROGRAM '	
Joint Robotics Initiative	5,000
71 ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM	
Inland Empire Well Treatment of Perchlorate Contaminated Welts	2,500
Multi-Sensor UXO Detection and Recovery System Reacquisition and Removal Phase at Camp Lejeune	2,000
Green Product Evaluation and Implementation Program	3,000
72 BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT	
Joint Short Range Ballistic Missile Program	19,000
75 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	
Protective Self-Decontaminating Surfaces	2,000
Vacuum Sampling Pathogen Collection and Concentration	3,000
76 BALLISTIC MISSILE DEFENSE SENSORS	
Airborne Infrared Surveillance (AIRS)	2,500
77 BALLISTIC MISSILE DEFENSE SYSTEM INTERCEPTOR	
CG(X) Modular Launch System	2,000
82 AEGIS BMD	
Ballistic Signal Processor/Open Architecture	22,000
Upgrade 2 additional Aegis DDG's	20,000
Asymmetric Defense Initiative	15,000
84 MULTIPLE KILL VEHICLES	
Safe High Power (High Rate) Lithium Battery for MKV (Missiles) with Long Storage Life	3,100
88 BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT	
Joint National Integration Center (JNIC)	2,500
100 JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM	
Secure Miniaturized Free Space Optical Communications	1,500
104 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	

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Defense-wide	
ParallelaVax Rapid Vaccine Testing Technology	2,000
106 JOINT ROBOTICS PROGRAM	
Joint Robotics Initiative	5,000
116 BUSINESS TRANSFORMATION AGENCY R&D ACTIVITIES	
National Defense University Technology Research Program	1,000
127 TRAINING TRANSFORMATION (T2)	
USJFCOM's Joint Warlighting Center (JWFC) Joint Training Blended Learning Initiative	2,500
131 CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT	
Advanced SAM Hardware Simulator Development- !TEAMS	4,500
Joint Guff Range Complex Test and Training Interdependency Initiative	1,000
UAV Systems and Operations Validation Program (USOVP)	2,000
Range Tactical Data Link (TEL) & Relay Capability	3,000
135 TECHNICAL STUDIES, SUPPORT AND ANALYSIS	
Capabilities Study for Improvised Explosive Devices Detection	1,000
Countering Missile-related Technology Proliferation	2,000
Foreign Test Range Analysis - Measurement and Signature Intelligence (MASINT)	1,000
140 CLASSIFIED PROGRAM USD(P)	
Classified Adjustment	98,200
150 SMALL BUSINESS INNOVATION RESEARCH/CHALLENGE	
Directed Energy Systems for UAV Payloads	1,000
190 INFORMATION SYSTEMS SECURITY PROGRAM	
Security for Critical Communication Networks (SCCN)	3,000
200 SPECIAL APPLICATIONS FOR CONTINGENCIES	
Mobile Optical Wireless Networking for Intelligence, Surveillance, and Reconnaissance	2,000
207 POLICY R&D PROGRAMS	
improved Collapsible Urethane Fuel Storage Tanks	1,000
215 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	
Constant Look Operation Support Environment (CLOSE)	2,000
226 INDUSTRIAL PREPAREDNESS	
Castings for Improved Defense Readiness	2,000
Corrosion Resistant Ultrahigh-Strength Steel for Landing Gear	2,000
Military High Pressure Packaging Project	2,000
Northwest Manufacturing Initiative	1,000
Technology Roadmapping and Strategic Investment Planning	2,000
Advanced Microcircuit Emulation (AME)	4,000
233 SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT	
Coved WPM Waveform Modules	2,000
Special Operation Forces Advanced Mission Planning Tools	2,000
Expendable Airdrop Delivery Systems (EADS)	1,000
Command and Control Mission Manager (C2MM) Spiral 5	2,000

Line Title	Committee Recommended
Defense-wide	
Semi-autonomous or Unattended Psychological Operations and Reconnaissance Tool (SUPPORT)	2,000
Small Boat Family Integrated Combat System	2,000
SOF Special Purpose Tagging, Tracking and Locating Tool Kit	1,000
234 SPECIAL OPERATIONS TACTICAL SYSTEMS DEVELOPMENT	
OF Light Advanced Packaging and Direction Finding In Support of Joint Threat Warning System	1,500
Unattended SIGINT Node	4,000
Integrated Bridge System	1,000
SOF Mission Training and Preparation Systems Interoperability	1,500
SOCOM Imagery Dissemination System	2,000
Tactical SIGINT and Geo- location Cognitive Analysis	500
235 SOF OPERATIONAL ENHANCEMENTS	
Partnership for Defense/Innovation Wi-Fi Test Laboratory	2,700
Application Specific Integrated Circuits Fabrication Facility	2,000
	Total
	600,300