



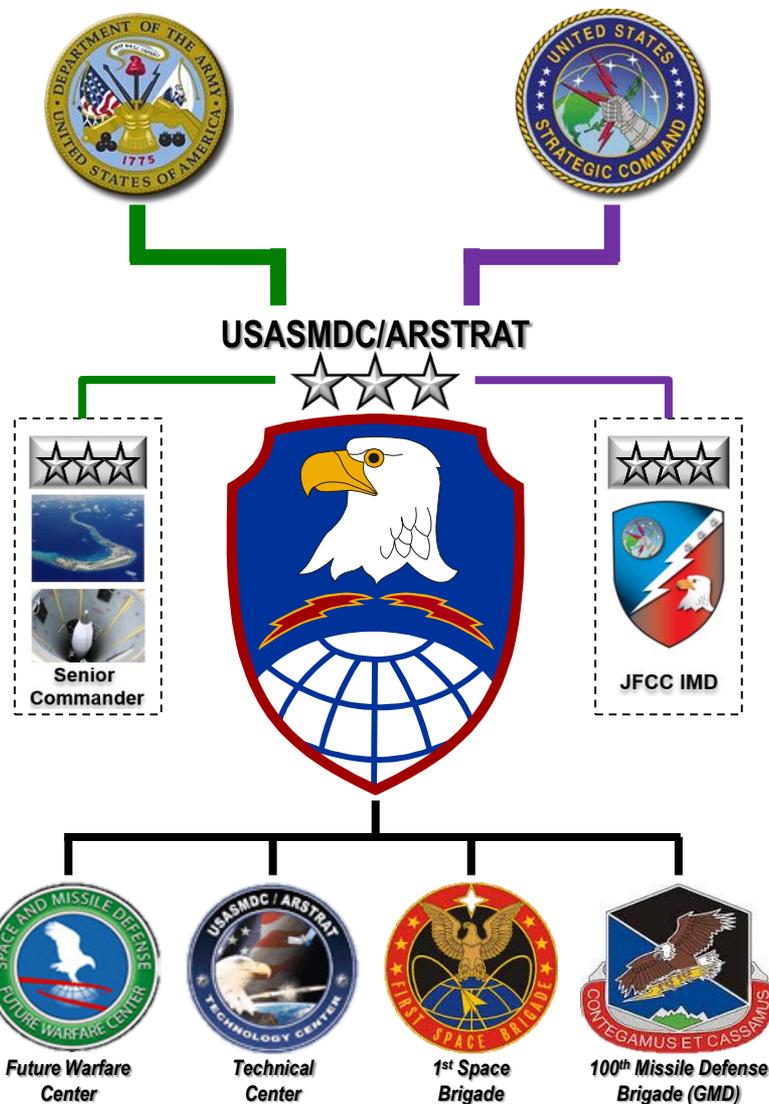
USASMD/ARSTRAT

Mr. Bill Colson
Technical Center Director

March 2016



Command Overview



USASMD/ARSTRAT Mission

USASMD/ARSTRAT develops and provides current and future global space, missile defense, and high altitude forces and capabilities to the Army, the Joint Force, and our interagency, intergovernmental, and multinational Allies and partners to enable mission command, enhance deterrence and detection of strategic attacks, and protect U.S. vital interests in all domains.

Mission Areas

ASCC/Operational Support

Service Activities

Army Proponency

Enduring Priorities

- Defend the Homeland
- Support the Warfighter
- Prepare for the Future
- Develop Emerging Technologies
- Sustain Strategic Advantage
- Be Responsible Stewards of our Nation's Resources

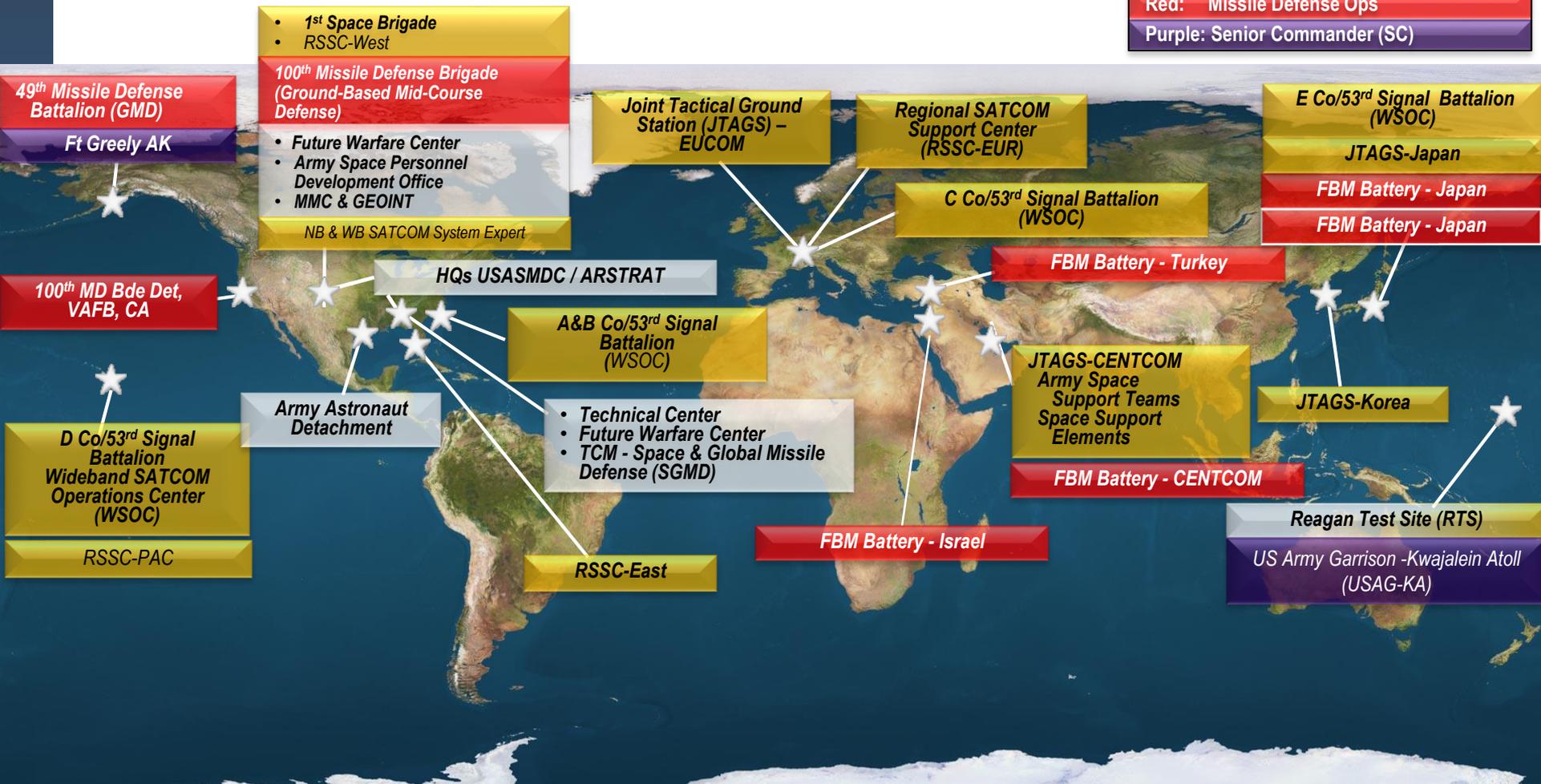
Other CG Roles & Responsibilities

- Commander, Joint Functional Component Command for Integrated Missile Defense (JFCC IMD)
- Senior Commander for U.S. Army Garrison - Kwajalein Atoll and Fort Greely, Alaska
- Army Integrator for Air and Missile Defense
- Personnel Developer, Functional Area 40 Space Operations Officers



A Global Command

White: HQs, FWC, Technical Center and Army Astronauts
Gold: Space Ops
Red: Missile Defense Ops
Purple: Senior Commander (SC)

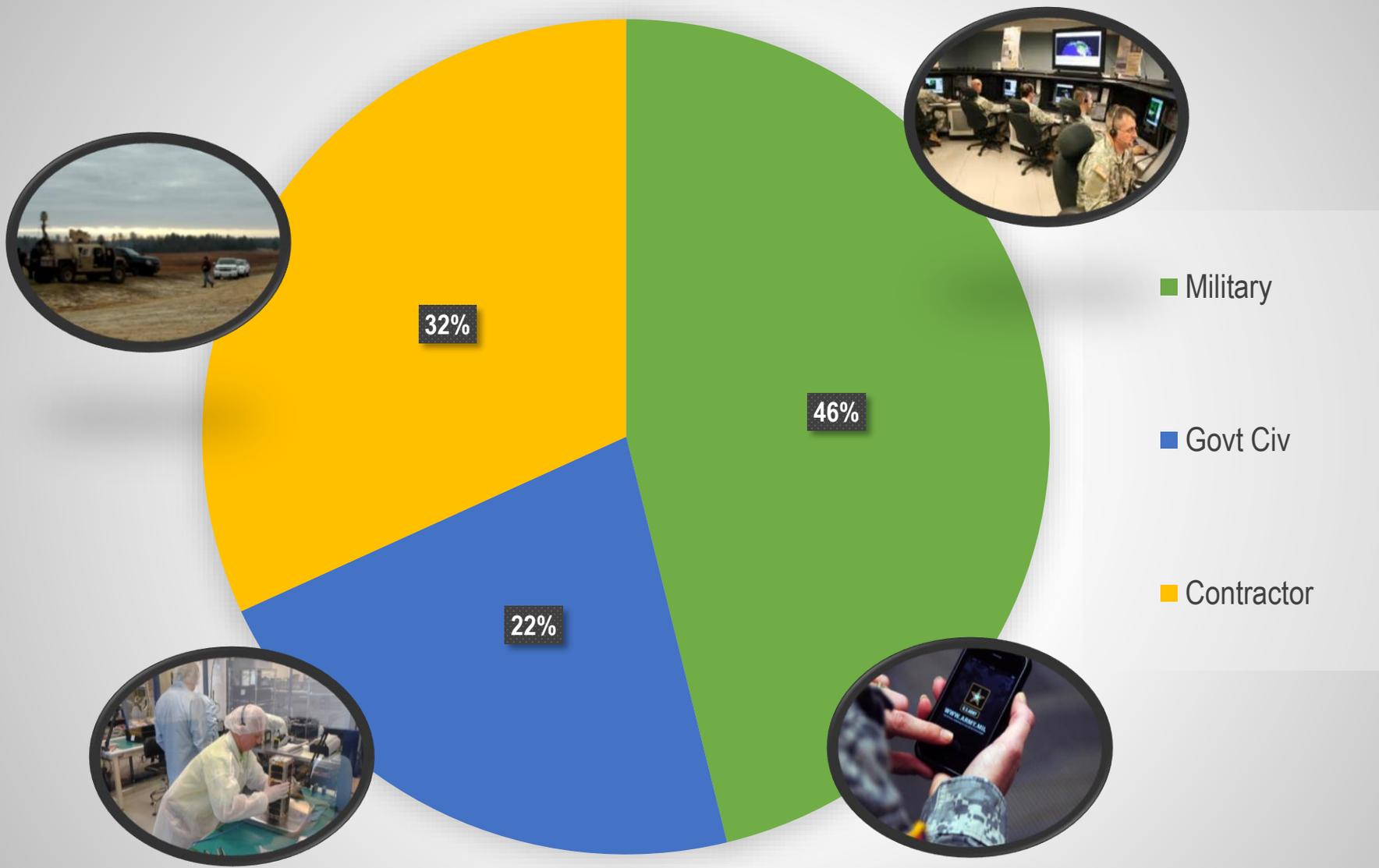


Uniquely Organized, Geographically Well-Positioned



Unclassified

Workforce Composition





Enterprise Contracts

- **Systems Engineering and Technical Assistance Contract (SETAC) 2010**
- **Design Development Demonstration and Integration (D3I) Domains 2 and 3**
- **Test Execution Services and Launch Augmentation (TESTLA)**
 - Bridge to D3I Contract
- **Concepts and Operations for Space and Missile Defense Integration Capabilities (COSMIC)**
- **Space and Missile Defense Initiatives Support III (SMDIS III)**
 - Transitioning to SMDA2S Contract

Other MA/SA IDIQ Contracts

- **Environmental, Technical, and Operational Support (ETOSS – Staff)**
- **Integrated Technology and Analysis (ITAC – Technical Center)**
- **Warfighter Modeling, Simulation, Analysis and Integration Support (WMSA&IS – FWC)**



Upcoming Enterprise Awards

Design, Development, Demonstration and Integration (D3I)

- Multiple Award IDIQ with \$4.6B Ceiling: Product Development Focus
- Targeted Award Date for Domain 1: 3QFY16
- Domain 1 - Space, High Altitude, and Missile Defense
\$3.038B / Full-and-Open Competition
- Domain 2 - Information Integration and Data Exploitation (Awarded 18 Feb 16)
\$504M / Small Business Set-Aside*
- Domain 3 - Enhanced Warfighter Capabilities (Awarded 17 December 15)
\$1.058B / Small Business Set-Aside*
- POC: Melissa Mitchell, ACC-Redstone, melissa.d.mitchell.civ@mail.mil

* 35.4% Small Business Goal, Achieved 39.6% in FY14



Enterprise Awards

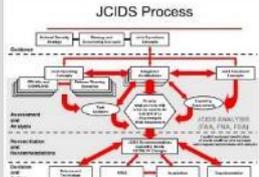
Space and Missile Defense Advisory and Assistance Services (SMDA2S)

- Multiple Award IDIQ with \$496M ceiling
- Advisory and Assistance Services (A&AS) for space, missile defense, C4ISR, information operations, and global strike missions in support of 1st Space Brigade, JFCC-IMD and USASMDC/ARSTRAT staff
 - *Infrastructure and Organizational Support*
 - *Exercise Planning and Execution*
 - *Intelligence*
 - *System Engineering and Integration*
 - *Integrated Logistics*
 - *Emerging Technologies*
 - *Operations*
 - *Training*
 - *Communications*
 - *Staff Support*
 - *Test and Evaluation*
- Award Date: April 2015
- Point of Contact: Katherine Aldaz, Contracting Officer, katherine.d.aldaz.civ@mail.mil

* 35.4% Small Business Goal, Achieved 39.6% in FY14



Future Warfare Center

TRAINING AND DOCTRINE		CAPABILITY DEVELOPMENT		CAPABILITY INTEGRATION					
Accredited Individual Training		Concepts Development & Wargaming		TCM GBMD					
FA-40 ASIs 3Y, T3, Q4, Y7, D4 Special Skills (MIGS, TSOC, EBUCs, etc)		 ASF 2025 NAVWAR Unified Quest							
Collective Training Development		JCIDS and DOTMLPF Enhancements							
<table border="1"> <tr> <td>TC 3-27.9</td> <td>TC 3-27.91</td> </tr> <tr> <td>GMD Gunnery</td> <td>GMD Crew Drills</td> </tr> </table>		TC 3-27.9	TC 3-27.91	GMD Gunnery	GMD Crew Drills	 			
TC 3-27.9	TC 3-27.91								
GMD Gunnery	GMD Crew Drills								
Leadership Development									
Doctrine Development		Experimentation and Prototyping		TCM Space					
<table border="1"> <tr> <td>FM 3-14 ARMY SPACE OPERATIONS</td> <td>FM 3-27 ARMY GBMD OPERATIONS</td> <td>ATP 3-14.5 JTAGS Ops</td> <td>ATP 3-27.5 AN/FPY-2 FBM Ops</td> </tr> </table>		FM 3-14 ARMY SPACE OPERATIONS	FM 3-27 ARMY GBMD OPERATIONS	ATP 3-14.5 JTAGS Ops	ATP 3-27.5 AN/FPY-2 FBM Ops				
FM 3-14 ARMY SPACE OPERATIONS	FM 3-27 ARMY GBMD OPERATIONS	ATP 3-14.5 JTAGS Ops	ATP 3-27.5 AN/FPY-2 FBM Ops						
Operational Analysis									
Models and Simulation									
High Performance Computing									



Future Warfare Center

Description	Objective	Type	Est. \$	Award
TRADOC	TRADOC Capability Manager (TCM) Ballistic Missile Defense System (BMDS), USASMDC/ARSTRAT Support. (Follow-on to SMDIS III 1503)	SMDA2S Task Order	\$ 3M	Apr 2016
JFCC-IMD	Ballistic Missile Defense asset management, training requirements, future operations and crisis action planning, Missile Defense planning, analysis/advocacy support in support of USSTRATCOM and JFCC-IMD. (Follow-on to SMDIS III 1406)	SMDA2S Task Order	\$ 30M	Mar 2016
DISN Flag	Information assurance support of Defense Information System Network (DISN) Flag. (Follow-on to SMDIS III 1506)	SMDA2S Task Order	\$ 2M	Mar 2016



Future Warfare Center

Description	Objective	Type	Est. \$	Award
Experimentation	Support participation in TRADOC-sponsored and other experiments to examine space and high-altitude concepts and capabilities. (Follow-on to COSMIC 1502)	D3I, Domain TBD Task Order	\$ 2M	Jul 2017
SPEID	Software Prototyping, Engineering, Integration and Development (SPEID) Support. Support further development of AWARE visualization software suite. (Follow-on to COSMIC 1503)	D3I, Domain TBD Task Order	\$ 16M	Aug 2017
NCR-IADS	National Capitol Region Integrated Air Defense – Support to integration, testing and sustainment of the ground-based air defense components in the NORAD system. (Follow-on to COSMIC 1605)	D3I, Domain TBD Task Order	\$ 12M	Jan 2018



Future Warfare Center

Description	Objective	Type	Est. \$	Award
SETI	Space Enablers / Enhancements Technology and Innovation (SETI). (Follow-on to COSMIC 1604)	D3I, Domain TBD Task Order	\$ 12M	Jan 2018
JFFT	Joint Friendly Force Tracking (JFFT) Testbed. Support technology insertion, architecture improvements, accreditation, and information assurance of the Testbed and Mission Management Center. Examine and integrate new capabilities into JFFT information. (Follow-on to COSMIC 1408)	Competed COSMIC Task Order 1607	\$ 14M	May 2016
	(Follow-on to COSMIC 1607)	D3I, Domain TBD Task Order	\$ 15M	Mar 2019
STEW	Space Testbed Enablers Workshop (STEW). Support examination and integration of new concepts, technologies, and techniques into a Classified system. (Follow-on to COSMIC 1405)	Sole Source COSMIC Task Order 1608	\$ 20M	Jul 2016
	(Follow-on to COSMIC 1608)	D3I, Domain TBD Task Order	\$ 20M	Jul 2018



Future Warfare Center

Description	Objective	Type	Est. \$	Award
Joint Analysis for Missile Defense and Space (JAMDS) – SETAC 10	Joint Analysis, Experimentation, and Exercise Support to include current and future systems concepts, architectures, technologies, joint and service initiatives, exercises, experiments, for space, high altitude, cyber, missile defense, other advanced technologies and topics as directed by government	MAIDIQ Task Order	48M	Sol Nov 15 Mar 16
BC3 OM Mod, COSMIC 1501	Battlespace Command and Control Center (BC3) AN/TYQ-23 Operations Module System Modification (OM Mod) Support	MAIDIQ Task Order	25M	Sol Feb 15 Mar 15
SPEID III, COSMIC 1503	Software Prototyping, Engineering, Integration and Development (SPEID) Support. Support further development of AWARE visualization software suite	MAIDIQ Task Order	12M	Sol Jun 15 Sep 15



TC Primary Focus

	Small/Nano Satellites	Launch Vehicles	Space Operations
SPACE	<ul style="list-style-type: none"> Operationally Relevant Small Satellites and Payloads <ul style="list-style-type: none"> SNaP Kestrel Eye Ka Band Comms Space Superiority (Overmatch) 	<ul style="list-style-type: none"> Responsive Launch Technology Small Satellite Payload Deployment Capability 	<ul style="list-style-type: none"> Continual Space Surveillance Network Support from Reagan Test Site Space Object Identification <ul style="list-style-type: none"> 138 hrs per Week 500 Images per Year 
TECHNOLOGIES	<h3>Directed Energy</h3> <ul style="list-style-type: none"> High Power Solid State Lasers Laser Beam Control Atmospheric Compensation Laboratory, Lethality & Field Testing Integrated Demonstrations Basic Research  	<h3>Hypersonics</h3> <ul style="list-style-type: none"> Alternative Payload Delivery Vehicle for Prompt Global Strike Program <ul style="list-style-type: none"> Thermal Protection System Materials Advanced Guidance, Navigation & Control Boost-Glide Trajectory Anti-Access / Area Denial Ground & Flight Testing 	<h3>Advanced Concepts</h3> <ul style="list-style-type: none"> High Power Microwave Devices Pulsed Power Devices Improvised Explosive Device Forensics Radiation Hardened Electronics 
TESTING	<h3>Reagan Test Site</h3> <ul style="list-style-type: none"> Strategic Weapon Systems Testing Distributed Operations to Include CONUS Control Supporting MDA and USAF Testing and Commercial Space Launches 	<h3>Targets</h3> <ul style="list-style-type: none"> Low Cost Target Development and Operations Target Launcher / Delivery Systems EO/IR Signature Modeling 	<h3>Lethality</h3> <ul style="list-style-type: none"> Hyper Velocity Impact Lethality Testing Develop Surrogate Interceptor and Target Vehicles Conduct and Assess High Velocity Sled Tests 



Space and Strategic Systems Directorate

Description	Objective	Type	Est. \$	Award
Small Satellites and Payload development	Nano/Micro-satellites developments and demonstrations of new Communications and On-Demand Imagery payloads; next generation frequencies and waveforms; miniaturized power; high data rate transfer subsystems	TBD	5-15M	FY16
Space-Related Cyber Initiatives	Follow-on efforts to continue cyber vulnerability assessments on command assets; develop and integrate cyber-hardened web services and handheld apps; image and full motion video exploitation using advanced algorithms to aid space intelligence analysts	TBD	2.8-4M	FY17



Air and Missile Defense Directorate

Description	Objective	Type	Est. \$	Award
Laser Integration	Integration and demonstration of 60 kW-class laser into the HELMTT	TBD	TBD	RFI 4QFY16 Award FY17
High Energy Laser Tactical Vehicle Demonstrator (HELTVD) Integrated System Development	Design, fabricate, and demonstrate an advanced high energy laser pre-prototype weapon system.	TBD	~\$100M +	RFP TBD Award FY17



Reagan Test Site

Description	Objective	Type	Est. \$	Award
Range Safety	Range safety analysis for Reagan Test Site	Single Award Small Business Set-Aside	5-10M	Apr 16
Meteorological Support Services – Kwajalein	Collection, processing and interpreting meteorological data for Kwajalein Atoll	Single Award 8a Set-Aside	15-20M	Sol Apr 16 Mar 17



Operations and Staff

Description	Objective	Type	Est. \$	Award
Environmental / Engineer Technical Support (ETOSS)	Environmental compliance, studies to ensure compliance with environmental requirements	Single Award 8a Set-Aside	40-50M	June 16
Minor Construction (ETOSS)	Planning, programming, design, construction, repair and maintenance	Single Award 8a Set-Aside	90-100M	June 16



Other Opportunities

- **Kwajalein Range Support Services Contract Re-Compete**
- **SETAC Follow-On**
- **Wideband System Operations Center (WSOC) Opportunities**

Watch FedBizOpps.Gov for More Information



Points of Contact

TESTLA: Contracting Officer, Diana McCown, diana.h.mccown.civ@mail.mil

SETAC 10: Contracting Officer, Netausha Stoudmire, netausha.c.stoudmire.civ@mail.mil

COSMIC: Contracting Officer, Janet Schwarzbart, janet.l.schwarzbart.civ@mail.mil

D3I: Melissa Mitchell, ACC-Redstone, melissa.d.mitchell.civ@mail.mil; Cynthia Smith, cynthia.j.smith7.civ@mail.mil; Janet Schwarzbart, janet.l.schwarzbart.civ@mail.mil

SMDA2S: Contracting Officer, Katherine Aldaz, katherine.d.aldaz.civ@mail.mil

BMD Mission Support Services (Ft. Greely): Contracting Officer, Brian Gaines, sven.b.gains.civ@mail.mil

Simulation Center: Contracting Officer, Dianne Trimble diane.f.trimble.civ@mail.mil

ETOSS: Contracting Officer, James Kenny, james.p.kenny.civ@mail.mil

Range Safety: Contracting Officer, Diana McCown, diana.h.mccown.civ@mail.mil

Meteorological Services Kwaj: Contracting Officer, Diana McCown, diana.h.mccown.civ@mail.mil

The image features a sunset background with a gradient from dark purple at the top to bright orange at the bottom. In the foreground, the silhouettes of five soldiers are visible, standing in a line and facing away from the viewer. The soldier on the far left is the largest, wearing a helmet and carrying a large backpack. The other four soldiers are progressively smaller, suggesting a line of troops. The text 'The Sun Never Sets on USASMDC/ARSTRAT' is positioned in the upper right quadrant, and 'The American Soldier Our first priority!' is in the lower left quadrant.

**The Sun Never Sets on
USASMDC/ARSTRAT**

The American Soldier
Our first priority!