Air Force Installation & Mission Support

Revolutionizing Combat Support

Maj Gen Brad Spacy
AFIMSC/CC
Future Installation

Multi-Functional  Connected  Affordable
Scalable  Resilient  Autonomous
Future Airmen

Light, Lean, Agile

Equipped

Semi-Autonomous

Connected

Autonomous

Sensing

Resilient

Multi-Skilled, Innovative, Agile
What We Need

Partnership

Innovation

Engagement

Industry

Questions

Ideas

Creativity
AFIMSC

The Center of I&MS Innovation!
OVERVIEW

- Who We Are
- What We Do
- Our Priorities
- Outlook – Industry Engagement
- How to do Business with AFSFC
- Q&A
Who We Are
Mission/Vision

AFSFC MISSION
"AFSFC develops, delivers and executes programs that secure US Airpower… to ensure its freedom of maneuver in all environments and protect the USAF’s nuclear deterrent capability"

AFSFC VISION
"USAF’s Force Protection leader…connecting the AFIMSC mission with the USAF Security Enterprise"
AFSFC – What We Do

**S3 – OPERATIONS DIRECTORATE**
- Air Operations
- Law & Order
- Mission Assurance Assessment Team
- Training Development
- Total Force Association

**S2/5/6/8 – STRATEGIC PLANS & REQUIREMENTS**
- Concepts & Futures
- Security IT System
- Defender’s Edge
- Budget/Manpower
- Electronic Security Sys
- Ops Fusion Cell/SF
- SF Requirements/Warfighter
- Lessons Learned
- Support

**S4 – WEAPONS, AMMUNITION, VEHICLES, & EQUIPMENT**
- AF Weapons Management
- AF Security & Protection Category Management
- SF Vehicles & Equipment

**FC – CORRECTIONS & CONFINEMENT**
- Inmate Rehabilitation
- AF Victim/Witness Program
- Detachment 1 Ft Leavenworth
- Detachment 2 Miramar
- Clinical Services Repository
Our Priorities

• Weapons & Equipment Modernization
• Counter-Small Unmanned Aircraft Systems
• Facility Modernization Initiatives
• Sustainment Training
• Information Integration and Dissemination
Remotely Operated Weapons

- Application to Adaptive Basing/Distributed Ops
- Common Remote Operating Weapons System (CROWS) as weapon engagement platform
- Increased volume of fire via M134 mini-gun, anti-armor capability via FGM-148 Javelin Missile, and eliminates direct human handling, increasing accuracy.
- Fixed via Containerized Weapon Station or mobile via tactical vehicle (MAXXPRO, M-ATV, JLTV)
Augmented Reality

- Single, unified platform offers optical overlay, color imagery and camera capture
- Lightweight monocular or binocular configuration
- Fuses optical overlay, image intensified and infrared imagery and real-time video
- Enables covert operation and heads-up situational awareness imagery during day/night operations
Global Defender C3 (GDC3) Capability

- Full-spectrum, multi-mission network
- Enables integration of force-multiplying IP-based technologies
- Adaptive NSA-certified Type 1 secure, closed Radio Frequency (RF) mesh network
- Line of Sight (LOS) and Beyond LOS (BLOS) voice and data communications through customized communications component integration
- Leverages programmable multiple waveform fail-over
- P25 Trunking Land Mobile Radio (LMR) compliant
  - Interoperable with industry-standard Over-the-Air Programming and Rekey (OTAP/OTAR) capabilities
Global Defender C3 (GDC3) Employment

- Provides keystone of Automated Base Defense across garrison and expeditionary mission sets
  - Establishes C3 network necessary to integrate Defenders, weapons and technology
- Dispersed span of control tailorable to meet today’s adaptive basing demands
  - Joint Defense Operations Center (JDOC) – “Theater” C3
  - Base Defense Operations Center (BDOC) – “Region or Hub” C3
  - Tactical Operations Center (TOC) – “Sector or Spoke” C3

GDC3 Core Communications Components

- AN/PRC-160 WBHF
- AN/PRC-158 MCPM
- AN/PRC-117G
- AN/PRC-152A
- RF-800i Intercom
C-sUAS Capabilities (JEON/JUONs)

Requirements

- STRATCOM JEON
- CENTCOM JUONs
- Supt’g AFMC/A3
- EUCOM JUONs
- Roles/responsibilities
- Requirements Dev
What We Need

- **Enhanced Lethality**
  - Augmented Reality
  - Weapons System Procurement

- **Readiness**
  - Set the Theater
  - Global Defender C3 and Modular Ops Centers
  - JLTV fielding

- **Modernization**
  - Automated Base Defense
  - SUAS and Counter-SUAS

“We must not permit the risks associated with change to overshadow the more detrimental risks of stagnation.”

- USAF Strategic Master Plan
What We Need

- Human Performance Optimization
  - Smaller, lighter & more efficient equipment in order to reduce burden to the Airman

- Human Technology Interface
  - Remote monitoring/response
  - Musculoskeletal tailored injury prevention/feedback

- Integration of Artificial Intelligence
  - Systems interoperability
  - Prioritization of Effort/Work
  - Intelligence/Information integration
What We Need

- **Tactical Communications**
  - Interoperable with all mission partners

- **Detect & Defeat Airborne Delivered Threats**
  - Cost effective solutions for C-SUAS

- **Modernize Detection & Assessment Capability**
  - Base physical security systems for fixed/expeditionary using small weight and power
  - Exploit recent technological advances

- **Command & Control**
  - Common op picture for all emergency responders

- **Short/Medium Range - Direct & Indirect Fire**
  - Modernize weapons systems to engage targets
How to Do Business With AFSFC

• You can reach us through our Air Force Portal webpage:  www.afsfc.af.mil  or through our Requirements Division Organizational Account:  AFSFC.S5.RequirementsDivisio@us.af.mil
Overview

• Who We Are
• What We Need
• How To Do Business with AFCEC
• Q & A
AFCEC Mission

Provide Civil Engineering services & enterprise lifecycle leadership to Air Force installations that enable the warfighter

AFCEC Vision

Lead the way in delivering Civil Engineering enterprise solutions
AFCEC: BATTLE READY...BUILT RIGHT ...

EVERYWHERE!

AFCEC Det. 1
Tyndall AFB, Florida

AFCEC HQ
Joint Base San Antonio-Lackland, Texas

USAFE ‘Storefront’
Ramstein AB, Germany

PACAF ‘Storefront’
Joint Base Pearl Harbor-Hickam, Hawaii
Who We Are
AFCEC Organization

Local Partners
AFLOA/JACE
AFICA

Planning and Integration Directorate (CP)
- Enterprise-wide Output Standards
- AFCAMP Investment Plan
- IPL (Budget year) development / integration
- POM Development
- Enterprise Procurement

Installations Directorate (CI)
- AF Real Estate (RE) Management
- RE Development
- Value-based
- 3rd party financed
- REPI/GSA leases
- Housing Portfolio
- Utilities Privatization
- Base Realignment and Closure

Facility Engineering Directorate (CF)
- Centralized Design & Construction (D&C) for MILCON / FSRM
- Standard Designs
- Expertise in all Facility Construction

Environmental Directorate (CZ)
- Compliance
- Restoration
- Natural & Cultural Resources
- NEPA Center
- Leg and Reg Engagement

Operations Directorate (CO)
- Asset Visibility
- Facility Ops & Maint support
- Preventive Maint Oversight
- Engineer SMEs
- Enlisted Force Development
- Airfield Pavement Evaluation Team
- CE Maint, Inspect & Repair Team

Energy Directorate (CN)
- Energy Resiliency
- Robustness
- Resourcefulness
- Recovery
- Response
- Redundancy
- Energy Pgm Development
- Rates & Renewables
- Automated Meter Reading System

Readiness Directorate (CX)
- Expeditionary Eng, PRIME BEEF, RED HORSE
- Emergency Mgt
- EOD
- Fire & Emer Svcs
- AF Contract Augmentation Program (AFCAP)
- Reach-back center
- CE RDT&E
- JCIDS Reqmts

Battle Ready ... Built Right
Natural & Built Infrastructure Provides Capacity for Mission Capability

What We Manage – The Big Picture

161 Installations, 44 Range Complexes

156K NM² SUA, 350 MTRs, 29K Acres Accident Zones, 309K Acres Noise Zones

> 200 Miles of Coastline

287 Federally-Recognized Tribes Consulted

598K acres of forest, 266K acres of wetlands

9M Acres of Land

115 Threatened/Endangered Species on 45 installations

246 Waste Water Permits
207 Storm Water Permits

224 Water Systems

240 Clean Air Permits
A building analytics system exposes building mechanical equipment sensor data to algorithms that detect operating faults. Once the analytics system is integrated with a facility’s data sources (BASs, meters, etc.), installations are provided prioritized information to:

1. Improve manpower
2. Track device
3. Manage asset life cycle

**INSTALLATION HEALTH**
- Lighting
- Water
- HVAC
- Equipment
- Security
- Layout

**Building analytics system**
- Diagnostic and predictive analytics
- IoT-enabled fault detection
- Work order integration
- Reduced operating costs
- Reduced energy footprint
- Optimum performance

How can we leverage technology to increase resiliency?
Challenges In The Combat Environment

• How can we recover bases after attack…

• With a minimal footprint…

• In a distributed basing environment…

• To enable combat power in air, space and cyberspace?
How You Can Help Us

• Leveraging disruptive technologies to enhance lethality and increase readiness
  – AI/Machine learning
  – Autonomous data transport
  – Advance sensor technology
  – Blockchain technology applications
  – App-based business systems
  – Resilient construction materials
  – Exoskeleton suits
How To Do Business With AFCEC

www.afcec.af.mil

All Solicitations

Projects executed by AFCEC (SATOC, AE13, OASIS, etc)

Construction, Environmental, and Housing Projects with authority (majority executed by installation)
Air Force Services Activity

2018 I-WEPTAC Industry Day

AFSVA Overview
Overview

- Who We Are
- What We Do
- Outlook – Industry Engagement
- How To Do Business with AFSVA
- Q & A
Who We Are

Mission/Vision

**AFSVA Mission**

Deliver innovative Services capabilities to generate combat-ready, resilient warfighters … Airmen taking care of Airmen!

**AFSVA Vision**

Services professionals investing in Airmen and families, anywhere, anytime!
<table>
<thead>
<tr>
<th>What We Do</th>
<th>A1S Portfolio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fitness Operations</td>
<td>Recreational Gaming</td>
</tr>
<tr>
<td>APF Food Service</td>
<td>Recreational Shooting</td>
</tr>
<tr>
<td>CDCs and School Age Programs</td>
<td>Arts and Crafts / Auto Hobby Shops</td>
</tr>
<tr>
<td>Family Child Care Homes</td>
<td>Aero Clubs</td>
</tr>
<tr>
<td>Youth Programs</td>
<td>Air Force Entertainment</td>
</tr>
<tr>
<td>Airmen and Family Readiness Ctrs</td>
<td>Mortuary Affairs Operations (Dover AFB)</td>
</tr>
<tr>
<td>Libraries</td>
<td>Mortuary/Survivor Asst/Search &amp; Recovery</td>
</tr>
<tr>
<td>Outdoor Recreation</td>
<td>Survivor Assistance/Wounded Warrior</td>
</tr>
<tr>
<td>Lodging</td>
<td>Honor Guard</td>
</tr>
<tr>
<td>Resiliency Programs</td>
<td>Awards, Decorations, and Uniforms</td>
</tr>
<tr>
<td>Protocol</td>
<td>AF Sports/World Class Athlete Program</td>
</tr>
<tr>
<td>Central Ticket Programs</td>
<td>NAF Financial Mgmt &amp; Shared Service Ctr</td>
</tr>
<tr>
<td>Leisure Travel</td>
<td>NAF Capital Improvement Program</td>
</tr>
<tr>
<td>Clubs / Golf / Bowling / Snack Bars</td>
<td>NAF Employee Benefits &amp; Insurance Prgs</td>
</tr>
<tr>
<td>Community Centers</td>
<td>NAF Purchasing</td>
</tr>
<tr>
<td>Installation Support</td>
<td>Strategic Marketing</td>
</tr>
</tbody>
</table>
What We Do

- Execute Policy
- Worldwide Training
- Program Management Reviews
- Research & Development
- Installation Support
- Manage Central Programs
- Market/Needs Assessment Teams
- Implementation Teams
- Technical & Functional Support
- Measure Success

Building and Sustaining Resilient Airmen & Families
How To Do Business with AFSVA

Doing Business with AFNAFPO

AFNAFPO prides itself on marketing vendors who participate in the CSBP to Department of Defense (DoD) Nonappropriated Fund operations worldwide. Vendors looking to partner with the AFNAFPO should contact a contract specialist handling their product or service. Vendors shall be evaluated for contracts based upon customer need, vendor’s ability to ship both domestically and abroad, reporting capabilities, pricing, and service after the sale. In the event that a contract is not in the best interest of either party, vendors are encouraged to contact any of the listed contracting officers for direct sales.

PRODUCT REVIEW

Product selection for a Nonappropriated Fund Purchasing Agreement (NPA) involves various processes and determinations. There are no specific rules or guidelines. We operate like a business, and make our decision based on what is ultimately best for our customers. Products selected for NPAs could be based on:

A. Industry or trade survey reports, or data submitted by the manufacturer.
B. Quality products that bear a brand name on which the brand itself may influence our customers’ acceptance of the product.
C. Products where brand name has no significance, but selection is based on overall value to the customer.
D. Individual repetitive purchases through our office, or our bases, of a particular product.

All of these things would be key indicators of what our customers are using in their day-to-day operations.

In addition, we will ask companies with minimal usage by military MWR/Services activities to distribute their product brochure to our customers and report to us after approximately six months on the response they received.

For business opportunities with the Air-Force, select the links below:

AFNAFPO Business Opportunities FedBizOpps

https://www.afnafpo.afsv.net

Business Opportunities

STRATEGIC BUSINESS AND INITIATIVES DIVISION

STRATEGIC BUSINESS BRANCH
mailto: afsva_svcsb_strategicbusiness@us.af.mil

COMMANDERS SMART BUY PROGRAM (CSBP) BRANCH
Mail to: afsvasvcrecreation@us.af.mil

HOSPITALITY, FACILITIES, LODGING DIVISION

FOOD SERVICE AND FACILITIES BRANCH
Mail to: afsvasvcfoodservicefacilities@us.af.mil

LODGING & INTERIOR DESIGN BRANCH
Mail to: afsvasvlodging@us.af.mil