

# BUSINESS AND ENTERPRISE SYSTEMS

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10th Annual  
2018

## Vendor Industry Day

May 23, 2018

### Administrative Remarks

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***Text or Email Questions to  
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|             |   |
|-------------|---|
| 1300 – 1305 | <b>OPENING REMARKS – MS. TRACI HOWELL</b><br>Chief, Strategic Communications  |
| 1305 – 1315 | <b>WELCOME – KYLE A. REYBITZ, COLONEL, USAF</b><br>BES Deputy Program Executive Officer   |
| 1315 – 1430 | <b>BES SPEAKERS</b><br><br><b>MR. HERBERT HUNTER, JR.</b> – Director of Staff<br><b>MR. DAVID SAMPSON</b> – Deputy Chief, Service Management Division<br><b>MR. JOHN HULSEY</b> – Chief Technical Officer<br><b>MS. DENISE BAYLOR</b> – Director of Small Business<br><b>MR. TOY ROBINSON</b> – Director of Engineering |

|             |  |
|-------------|--|
| 1430 – 1445 | <b>BREAK</b>   |
| 1445 – 1615 | <b>UPCOMING ACQUISITION OPPORTUNITIES – PANEL PRESENTATIONS</b><br><br><b><u>LOGISTICS SYSTEMS</u> – ALVIN F. BURSE, COLONEL, USAF</b> , Division Chief<br><br><b>PROGRAMS TO BRIEF:</b><br>- INTEGRATED MAINTENANCE DATA SYSTEM CENTRAL DATABASE (IMDS CDB)<br>- STOCK CONTROL SYSTEM (SCS)<br>- WEAPON SYSTEM MANAGEMENT INFORMATION SYSTEM (WSMIS)<br><br><b><u>BUSINESS SYSTEMS</u> – MR. TIMOTHY NIXON</b> , Division Chief<br><br><b>PROGRAMS TO BRIEF:</b><br>- NEXT GENERATION INFORMATION TECHNOLOGY (NexGen IT)<br>- LOGISTICS FEASIBILITY ANALYSIS CAPABILITY (LOGFAC)<br>- AUTOMATED CIVIL ENGINEER SYSTEM (ACES)<br><br><b><u>ENTERPRISE SERVICES</u> – MR. F.R. SCHNELL</b> , Deputy Division Chief<br><br><b>PROGRAMS TO BRIEF:</b><br>- DIGITAL PRINTING AND IMAGING (DPI)<br>- SOFTWARE ENTERPRISE ACQUISITION MANAGEMENT AND LIFE CYCLE SUPPORT (SEAMLS) |
| 1615 – 1625 | <b>CLOSING REMARKS – KYLE A. REYBITZ, COLONEL, USAF</b><br>BES Deputy Program Executive Officer  |

# BUSINESS AND ENTERPRISE SYSTEMS

*WE run the Systems that run the AIR FORCE...moving MONEY, MANPOWER and MATERIEL*

Explore the **BES Website** @ [www.airforcebes.af.mil](http://www.airforcebes.af.mil)

Reference Guide | SMART Guide | Meeting Request Form ... *and more*

## CONNECT WITH US

### BES Leadership Tweets!

Mr. Richard Aldridge @BES\_PEO

Col Kyle Reybitz @BES\_DPEO

Mr. Herbert Hunter @BES\_DirofStaff



facebook.com/AirForceBES



twitter.com/AirForceBES



linkedin.com/in/airforcebes



Instagram.com/airforcebes

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### BES Mission Overview

*Col Kyle A. Reybitz  
BES Deputy Director*

# PEO BES Strategic Vision 2018 - 2021



*Strategic Vision, 2018-2021*

## BUSINESS AND ENTERPRISE SYSTEMS DIRECTORATE

**One team, empowered, trusted, innovative, & focused on the warfighter**

The men and women of this Directorate have successfully operated and maintained war winning information systems for decades, keeping our promise to support Airmen and their missions across the globe.

Today, information technology's pace of change, emerging mission requirements and increasingly sophisticated cyber threats challenge our ability to meet our commitments.

Our values, skills and abilities are key to the success of this strategy, and will position us to provide the world class support our Airmen expect and deserve.



**We run the systems that run the Air Force:  
moving money, manpower, and materiel**



## Our Strategic Vision



**OPERATE**  
our systems in a cost effective manner to increase the lethality of today's AF and Joint weapon systems



**INTEGRATE**  
existing & future technologies and commercial best practices to deliver enterprise capabilities cost effectively and with greater velocity



**INNOVATE** by adopting new technologies and processes to assure information dominance

## Our Operating Principles



**Simplify...**integrate Agile practices across the entire portfolio, end-to-end and top-to-bottom



**Care for our people** while we take care of our mission

Collaborate with functional, Joint, and industry partners to **solve Air Force problems**



Recruit **tomorrow's workforce**; retain and develop today's



**Everyone** is empowered to innovate



Work as **one directorate**, with unity of purpose, to remove barriers to capability delivery

Eliminate waste and align our efforts to delivering capabilities & **impacting missions**



**Set goals**, with actionable plans, measures & checkpoints to realize our vision





# PEO BES "Mission at a GLANCE"



## MISSION

*Rapidly acquire, operate, sustain and enable flexible war-winning business system capabilities*

## VALUES

**ONE TEAM, EMPOWERED, TRUSTED, INNOVATIVE and FOCUSED on the WARFIGHTER**

141 Programs  
~3.3M Total Users



4 States  
AL, OH, TX and UT

|    |          |
|----|----------|
| 3  | BCAT I   |
| 9  | BCAT II  |
| 90 | BCAT III |
| 1  | ACAT I   |
| 1  | ACAT III |
| 6  | NSS      |
| 25 | SUPPORT  |
| 7  | SCAT     |

### BUSINESS AREAS

|                   |                |
|-------------------|----------------|
| Civil Engineering | Logistics      |
| Communications    | Personnel      |
| Transportation    | Medical        |
| Contracting       | Infrastructure |
| Finance           | Operations     |
| IT Services       | Munitions      |
| Acquisition       | Maintenance    |

400+ apps, 7 IDIQ contract vehicles w/\$24B ceiling

\$1.025B  
PORTFOLIO VALUE  
\$30M Procurement  
\$394M RTD&E  
\$598M O&M  
\$3M Reimburse

2,315  
PERSONNEL  
122 Officers  
321 Enlisted  
789 Civilians  
1,083 Contractors

### ACCOMPLISHMENTS

- ❖ 1,025 Contract Actions valued at \$496M
- ❖ 132 S/W Releases/ **1000+** patches
- ❖ 74 Major Milestone Reviews
- ❖ 354 Acq Docs approved

89 DISTINCT CUSTOMERS and 200+ STAKEHOLDERS  
Most at the GO/SES Level

WE run the SYSTEMS that run the AIR FORCE...moving MONEY, MANPOWER and MATERIEL

# SAF/AQ Memorandum for the Acquisition Workforce – 10 Apr 18

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- Seven Steps for Incorporating Rapid Prototyping into Acquisition; “options to aim higher and run faster...Speed is a winning strategy”
  - Have an aggressive goal; “If X goes right, then Y happens much better”
  - Bound your risks; “Some of worst failures result from too many concurrent high risks”
  - Be aggressive but not greedy; “Traditional IOC (if X completely fails) and a rapid IOC (if X is completely achieved)”
  - Constrain time and budget, not the final performance; “[Unyielding] devotion to schedule and budget constraints is a must”
  - It takes a team to go fast; “Finding a mutually agreeable 80-90% solution is octane for speed
  - Get a signature from me [Dr. William Roper]
  - GO FAST\*

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\* “Not EVERYTHING can go fast” Dr. Roper, 11 Apr 18 @ SML Summit, Dayton OH

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# DSB Task Force on the Design and Acquisition of Software for Defense Systems – Feb 18



- GOAL: Determine whether iterative s/w development practices evolved in the commercial world are applicable to the development and sustainment of s/w for the DoD...Seven recommendations:
  - S/W Factory; efficacy of the offeror's s/w factory in source selection criteria
  - Continuous Iterative Development; "SAEs/PEOs/PMs/J8 identify minimum viable product (MVP) approaches and delegate acquisition authority to the PM"
  - Risk Reduction and Metrics for New Programs; "...allow multiple vendors to begin work...down-select..., retain several vendors through dev to reduce risk, as feasible" Metrics: Sprint, Epic and Release Burndown, Velocity, Control Chart, Cumulative Flow Diagram
  - Current and Legacy Programs in Dev, Prod and Sustainment; USD(A&S) task PMs/PEOs for current programs to plan transition to a s/w factory and continuous iterative dev...ktrs incorporate continuous iterative dev into a long-term sustainment plan
  - Workforce; "CEO brief USD(A&S) at least annually...on adapting modern s/w practices, including their corporations' proficiencies in establishing effective s/w factories"
  - S/W is Immortal – S/W Sustainment; "Selection...based on the ability of AF to reconstitute s/w framework..., re-run tests, procedures and tools against delivered s/w and docs
  - Independent Verification and Validation for Machine Learning



# Internal/External Influences on BES Future Acquisitions

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- EITaaS (PEO C3I&N)
- Cloud (OSD, PEO C3I&N)
- IT Category Management (AFICA and SAF/MG)
- Agile “Everything” (MGen Zabel)
- Data Mgmt (MGen Crider and many others)
- Network Traffic (PEO C3I&N, 24AF, AFNIC, CYBERCOM)
- Mobile (HAF/A4)
- FY16 NDAA Section 809 Panel, Streamlining and Codifying Acquisition
- DoDI 5000.75, Business Systems Requirements and Acquisition (OSD, SAF/AQ, SAF/MG)

# Industry Expectations

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- Continue partnership and communication
  - Invite and provide frequent feedback
  - Innovation ideas
  - Help us manage functional expectations
- Be careful of intelligence gathering
  - Inappropriate discussions can occur on both sides of the fence

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### Policy Updates

*Mr. Herbert “Herb” Hunter, Jr.  
BES Director of Staff*

# Business Capability Acquisition Cycle (BCAC) Business System Category (BCAT)



- Why BCAC?:
    - DoDI 5000.02 milestones, models and documentation did not provide the proper structure for managing business systems
    - In practice... tailoring for a business system often took too much time and effort, making it hard to justify the benefits it produced
  - The biggest differences from previous state of practice:
    - Alignment of acquisition, functional, infrastructure and IT investment governance to streamline decision-making
    - Information-centric approach to evaluating programs rather than reliance on acquisition and requirements documentation
    - Drives toward COTS and existing GOTS solutions and away from home-grown, customized solutions
    - Ensures acquisition is a joint responsibility of the functional and acquisition communities; provides requirements earlier in the process
  - Projected BCAT Levels for BES
    - BCAT 1 – 2
    - BCAT 2 – 9
    - BCAT 3 – 88
    - \*NSS – 11
    - \*Support Systems – 31
  - Projected BCAC Entry Phase
    - Phase 2 – 3
    - Phase 3 – 4
    - Phase 4 – 6
    - Phase 5 – 86
- \*5000.75 will not apply to National Security Systems (NSS) or Support Systems

Defense Business Systems should not be acquired like Weapon Systems!

# 5000.02 vs 5000.75



## ■ 5 Step Process:

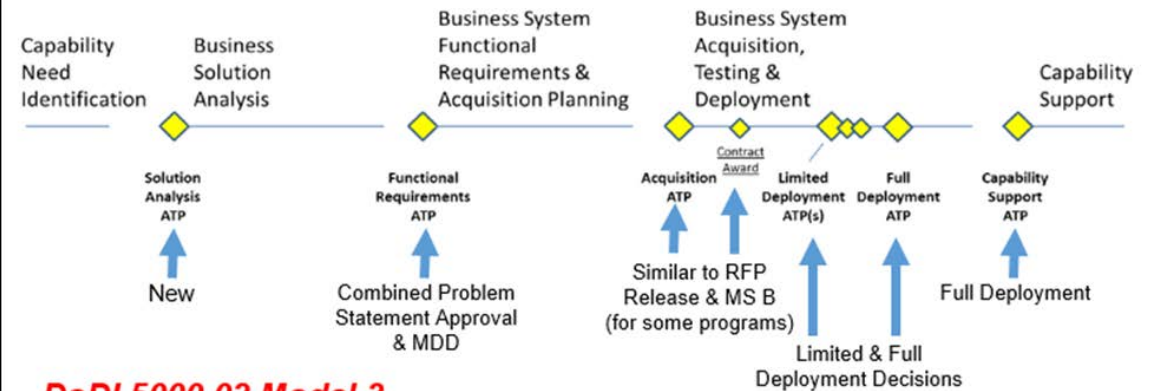
1. Capability Need Identification
2. Business Solution Analysis
3. Business System Functional Requirements and Acquisition Planning
4. Business System Acquisition Testing and Development
5. Capability Support

## ■ Keys to Success:

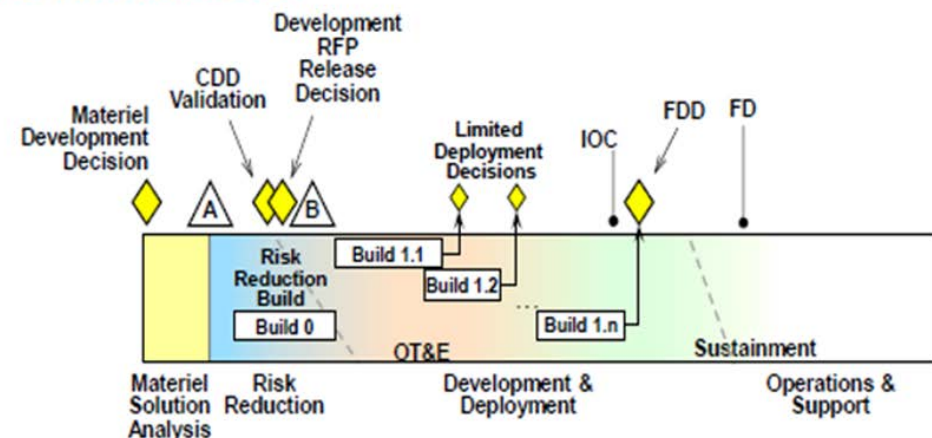
1. Tailorable, Agile Approach
2. Teamwork, not stovepipes
3. Inputs – Process – Outputs
4. Information, not Documents

## DoDI 5000.75 compared to DoDI 5000.02, Model 3

### New DoDI 5000.75 model



### DoDI 5000.02 Model 3





# DoD Reform for IT and Business Systems



- Mr. John Bergin – October 2017 appointed the DoD's reform lead for the IT Business Systems
  - Effort is an expansion of his Business Technology Officer role
  - Responsible for working across the Department to roadmap and deploy systems that support business reforms
  - Reduce the total number of systems
  - Ensure systems have the necessary controls to support audit and information integrity



# IT and Business Systems Reform Initiatives

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- Streamline IT Commodity Purchasing – reduce quantity of Top 5 vendor contracts by 5% by the end of FY22
- Enterprise Collaboration Suite – migrate 97% of DoD population to single enterprise collaboration tool by FY22
- One NIPR/One SIPR – decrease number of NIPR and SIPR networks by 50% by FY22
- Mission Partner Environment (MPE) Platform Consolidation – reduce cost of Mission Partner systems by 10% by FY22
- Consolidate Cyber/IT Responsibilities – a spin-merge of DISA functions will result in right-sized Cyber and IT capabilities across the Department. Will provide better visibility on capability and costs
- Rationalize Business Systems – a range of solutions from single system approaches to establishing a business intelligence layer across existing systems to produce enterprise level information



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### Service Management

*Mr. David Sampson*

*Deputy Chief, Service Management Division*

# AFPEO BES Division Overview



## OPERATE

Our systems in a cost effective manner to **increase the lethality of today's AF and Joint weapons systems**



## INTEGRATE

Existing and future technologies and commercial best practices to **deliver enterprise capabilities cost effectively and with greater velocity**



## INNOVATE

By adopting new technologies and processes to **assure information dominance**

**HIA**  
Logistics Systems



**HIB**  
Business Systems



**HIC**  
Enterprise Services



**HIG**  
Enterprise Accounting & Management



**HIH**  
Human Resources System



**HIQ**  
Services Management



**HIZ**  
Operations



**Develop, standardize and execute customer-focused, BES enterprise-wide IT Service Management capabilities that drive improved service delivery, quality and interoperability across the BES Directorate**

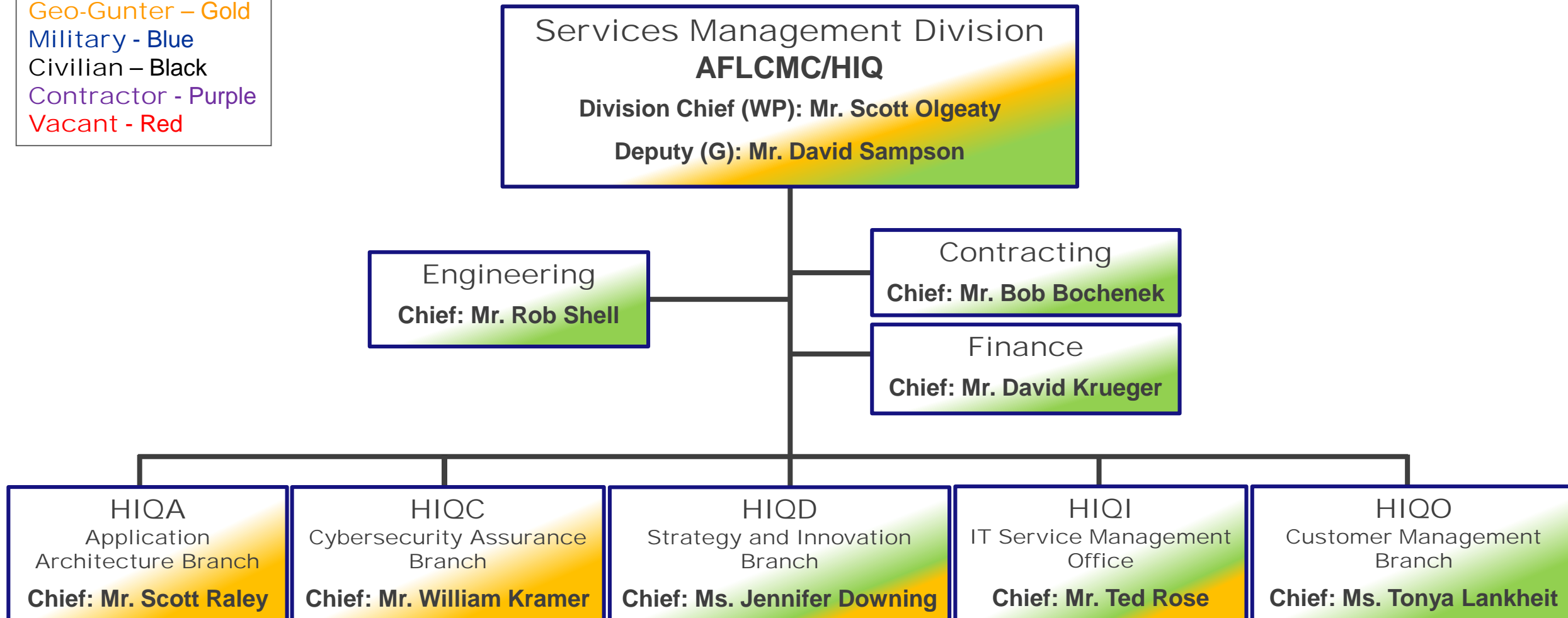
**WE run the SYSTEMS that run the AIR FORCE...moving MONEY, MANPOWER and MATERIEL**



# HIQ Organizational Construct



Geo-WP – Green  
Geo-Gunter – Gold  
Military - Blue  
Civilian – Black  
Contractor - Purple  
Vacant - Red



# Benefits of Implementing IT Service Management

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- Stronger organizational agility
  - Consolidate redundant capabilities and target resource efficiencies; free up resources to take on new work/additional workload
  - Flexible demand management – quicker reaction to changing customer needs
  - Many common services provided through a single division
- Greater organizational productivity
  - Standard service delivery via standard processes
  - Consistent execution targeting customer needs
  - Higher levels of customer support at lower costs

# HIQ Capabilities and Services Overview



## HIQA

Application  
Architecture Branch



## HIQC

Cybersecurity  
Assurance Branch



## HIQD

Strategy and Innovation  
Branch



## HIQI

IT Service Management  
Office



## HIQO

Customer Relationship  
Management Branch



### SERVICES OFFERED

- Software Design/Code Assessment
- Technical Requirements Definition
- Performance Evaluation
- Continuous Integration and DevOps Support
- CCE Development Environment Support
- Incident Management Working Group ("Firehouse")
- Enterprise Architecture

- Centralized ISSO/ISSM Support
- Security Control Assessment (A4 and FM Systems)
- Static/Dynamic Code Scanning
- Security Engineering
- Cybersecurity Assurance
  - Gunter NIPR/SIPR ATOs
  - Network Incident Response
  - Local Registration Authority
  - Vulnerability Assessment

- Early Acq Services for Capability Initiatives (e.g., PLM, Item Master, PBES, TIGRS)
  - Acquisition Planning
  - Alternatives Analysis
  - Early Systems Engineering
  - Transition Planning
- Enterprise Solution Planning
  - App Solution Planning and Engineering
  - Application Migration
  - Tech Baseline Management
- Innovation Services
  - Concept Exploration
  - Prototyping
  - Consultation
  - Policy Change Management

- BES IT Service Management Governance
- DESMF Domain Analysis
- Service Process Definition and Modeling
- BES Process Directory (BPD) Management
- Acquisition/Engineering Process Development
- Continuous Process Improvement (CPI)
- Continual Service Improvement (CSI)
- BES Service Catalog Management

- IT Support
- Human Resource Management
- Facilities Management
- Security Management
- Training Management
- Safety Program/Emergency Management
- Records Management
- SharePoint Support
- COR Support
- MICP Program Management
- Self Assessment Program Management
- Protocol
- Morale / Welfare Events

WE increase CAPACITY to accomplish the overall BES MISSION



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# Current Initiatives

# Incident Management



- Description: Provide the capability to diagnose and restore capabilities to accepted services levels to in order minimize adverse impact on BES mission and program operations. Focus is on restoring a service, determining the root cause of the incident and reducing the duration and consequences of a service outage. The SMD is analyzing execution of Incident Management (IM) capabilities across the Directorate
  - Phase 1: HIQ has established an IPT focused on creating the HI IM “Firefighting Team” and Playbook; IPT focused on identifying key roles, responsibilities and POCs to employ when a service outage is encountered; target is rapid diagnosis of issues and restoration of services
  - Phase 2: HIQ will analyze IM capabilities in place across the BES Directorate including identifying help/service desk, standardizing processes, federation/consolidation of resources, tooling, etc. targeted at identifying recommended improvements/efficiencies. This initiative integrates with a planned longer-term event/problem management initiative.



# Cybersecurity Resource Centralization

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- Description: Centrally deliver all ISSO/ISSM support for BES Programs; centrally manage all contract actions used to acquire ISSM/ISSO support. The SMD is analyzing the composition and alignment of Information System Security Operators (ISSOs) and Information System Managers (ISSMs) across BES
  - Phase 1: BES-wide data call asking division to identify all military, civilian and contractor personnel performing ISSO and ISSM duties to define the “as-is” model
  - Phase 2: HIQ will develop and present potential COAs/recommendations for implementation to BES Senior Leadership (“to-be” model)

# Enterprise Architecture Analysis

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- Description: Collaborate with BES program stakeholders, both leadership and SMEs, to build a holistic view of how individual programs support business strategies, processes and standards in order to ensure that business and IT strategies are in alignment. The SDM is analyzing the execution and implementation of Enterprise Architecture functions in order to provide standardization and governance of all architectural components and activities across the BES portfolio
  - Phase 1: HIQ will be reaching out to all BES division and stakeholders to capture current requirements, processes, resources, etc. to build the “as-is” model
  - Phase 2: HIQ will develop and present potential COAs/recommendations for implementation to BES Senior Leadership (“to-be” model)

# Development Operations (DevOps) Implementation

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- Description: Provide a continuous process of applying software quality control on and throughout the software development lifecycle through continuous integration/continuous development (CI/CD) capabilities, including automated code quality scanning, automated testing and automated application builds. The SMD is analyzing services to support the development, test and release of mission capabilities with increased speed, predictability, efficiency, security and maintainability
  - Phase 1: HIQ has established an IPT consisting of HN and HI personnel to define services required by BES programs to develop, test and deploy capabilities in a more standardized and efficient manner with a focus on integrating with AF CEE operational services
  - Phase 2: HIQ will develop and present DevOps service recommendations and implementation schedules for implementation to BES Senior Leadership

# Lifecycle Management Tools Consolidation

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- Description: The SDM is analyzing the Lifecycle Management Tools (LCMT) employed across the Directorate to find potential efficiencies in reducing the variability of tools; tools supporting the following disciplines are in the assessment: requirements management, scheduling, test management, architecture, help desk, risk management, configuration management and release management
  - Phase 1: HIQ conducted a data call to determine tools in use and potential consolidation opportunities; BES actively participating on a SAF/MG-led IPT to implement LCMT at the AF level (targeting IT Lifecycle Management Library (ITLML) tool suite)
  - Phase 2: HIQ will evaluate level of effort to transition programs into the ITLML to further consolidate tool usage and eliminate redundancy; includes data transition, change management, user training, etc.; potential exists to integrate tooling initiatives within CCE

# Early Acquisition Support Services

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- Description: Identify risk drivers/opportunities for effective early acquisition lifecycle planning/transition through BCAC acquisition planning, early system engineering, alternatives analysis and transition planning
  - Acquisition Planning: Successful mapping of SDDP to BCAC Framework; Item Master Functional Requirements ATP Approval
  - Alternatives Analysis: Successful utilization of Commercial Technologies for Maintenance Activities (CTMA) as risk reduction efforts for PBES and Item Master
  - Early Systems Engineering: Item Master interface analysis and cyber strategy development
  - Transition Planning: Successfully transitioned PBES Capability Initiative to Program Office in HIB; executing transition of Item Master to HIA



# Enterprise Solution Planning Services

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- Description: Standardize/optimize technical infrastructure usage within the enterprise through application engineering expertise, application migration and technical baseline management
  - Application Solution Planning and Engineering: Infusing BES programmatic needs into Common Computing Environment (CCE) Technical Roadmap (e.g., development environments, services and support services)
  - Application Migration: Facilitating application migration from GCSS to commercial cloud; technical interchange and advisory services provided to inform BES program offices
  - Technical Baseline Management: Capturing technical baseline data for BES applications (BES Operational Baseline Database – BOB-DB); leveraging BES technical baseline data to help inform application rationalization processes

# Innovation Services

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- Description: Capitalize on adaptive concepts and emerging solutions approaches through concept exploration, prototyping techniques, consultation and policy change management
  - Concept Exploration: Developing Business Process Management as a Service concept to develop innovative DBS acquisition approaches
  - Prototyping: Exercised Commercial Technologies for Maintenance Activities (CTMA) projects for PBES, PLMi and Item Master
  - Consultation: Collaborated with Oracle/Gartner/Mitre on Core ERP requirements analysis to ease integration among Logistics Capability Initiatives (LCIs)
  - Policy Change Management: Leading BCAC policy changes; crafting BCAC BoK and playbook for prospective DBS initiatives



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### CTO Overview

*Mr. John Hulse*  
*Chief Technology Officer*



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# *1. Operate, Integrate, Innovate are inseparable*

**OPERATE**

Ms. Lambert

**INTEGRATE**

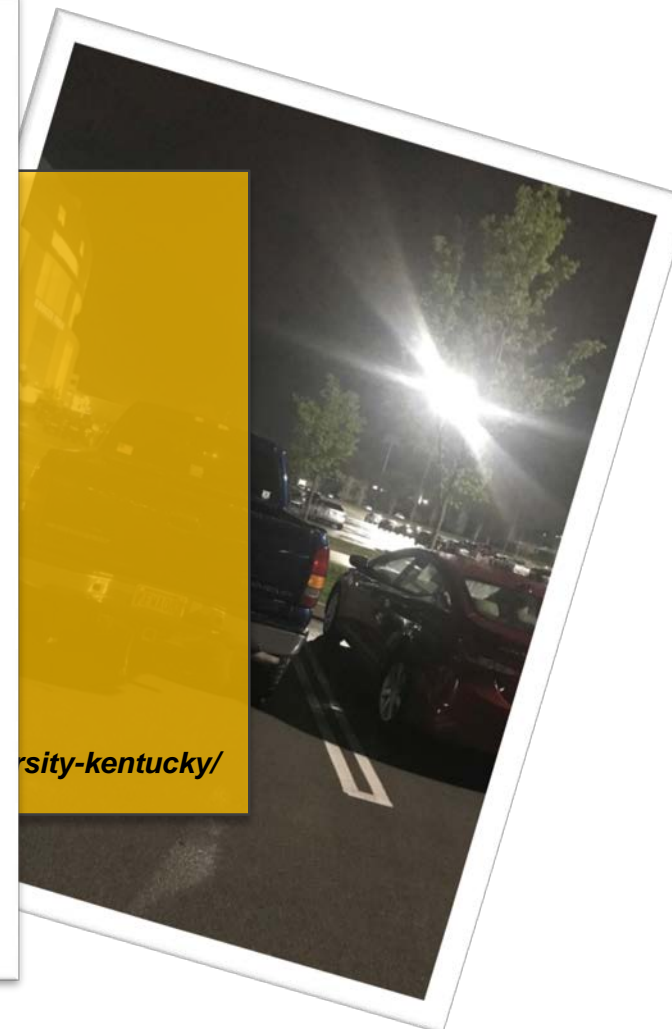
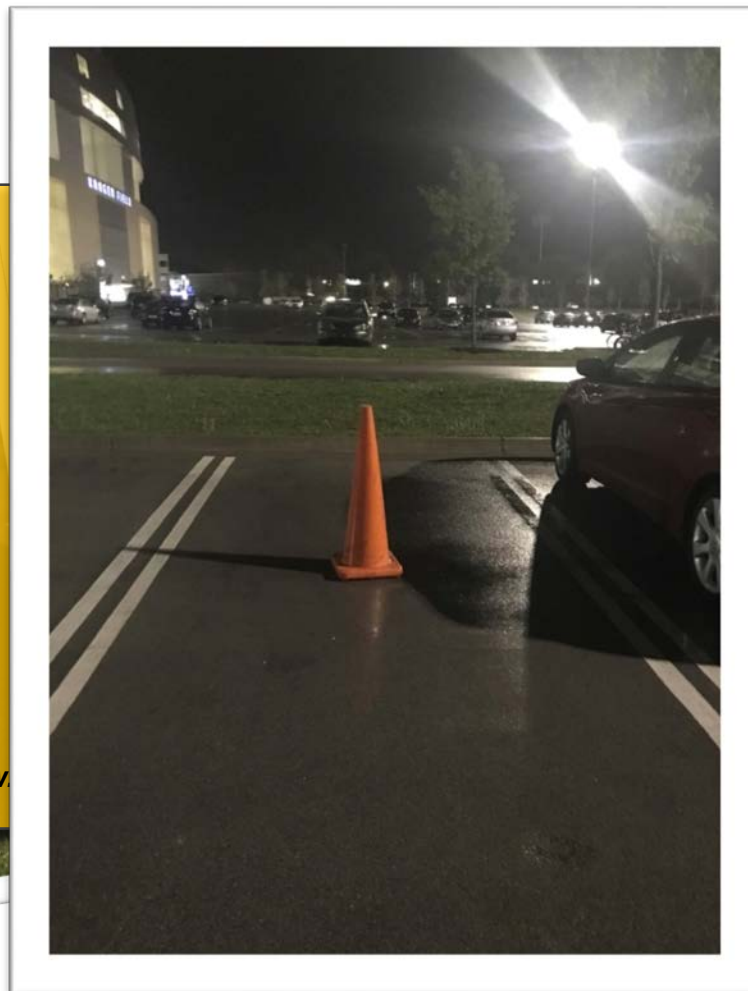
Mr. Olgeaty

**INNOVATE**

Mr. Hulse/

Mr. Robinson









## *2. BES Innovation Definition:*

*Exploration of technologies, tools, policies, functionality, that create potential business value to the customer or to BES's ability to delivery capability*



### 3. *Four Buckets of Innovation*



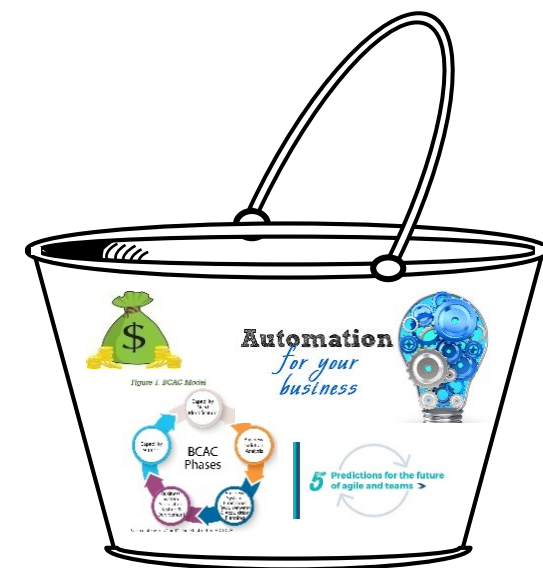
Technology



Org/Operate



Business Process



Process



## 4. *Encourage Innovation*

Technology Insertion



Virtual  
IPT



Program  
Offices



## *5. Partner with Industry*



Rapid  
Innovation Fund  
Projects/Prototypes



Industry  
Partners

Other  
Transactional  
Authority



RFI



Crowd  
Sourcing



## *6. Partner with Customers*



Ideas



Requirements



Field User  
Feedback

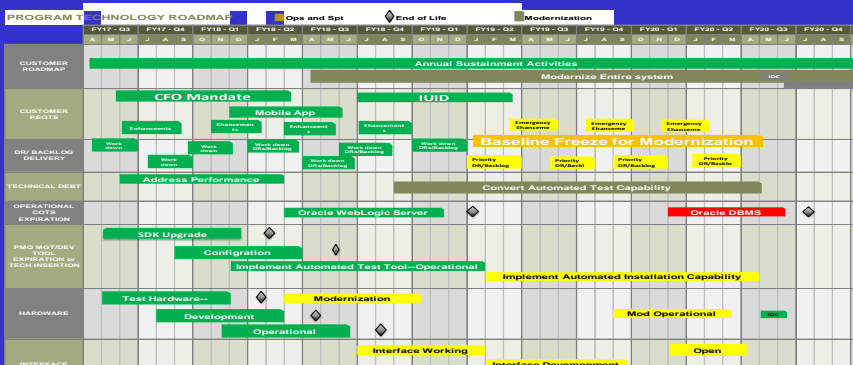


Collaborative  
Ideas



# 7. Agility: Churn Baby, Churn!

## Program Flight Plan



## MAP Influencers (Continuous Updates)

Innovative Tools

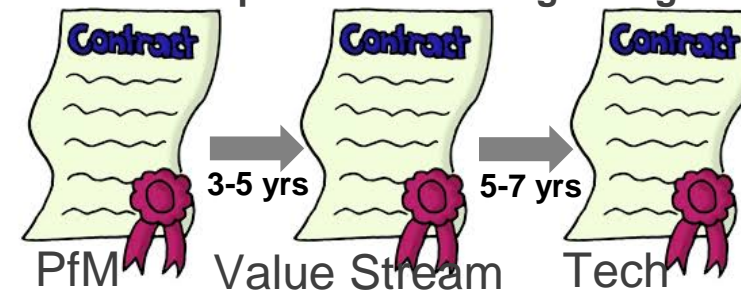
UEx

CCE

Cloud

## Common Contract Approach

Group "like" technologies together



Block Chain

IoT

AI

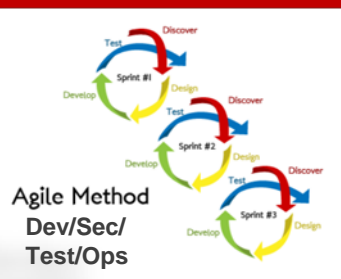
VR/AR

Mobile

Speech to Text

Innovation Cell

## Master Architecture Plan



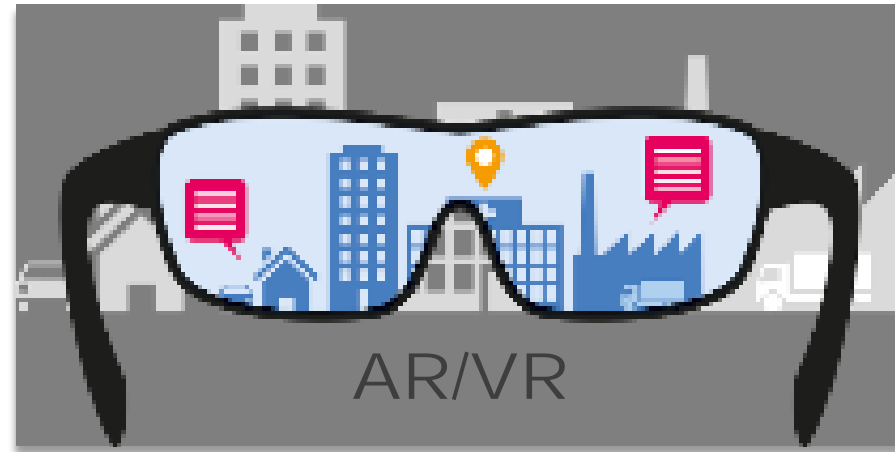
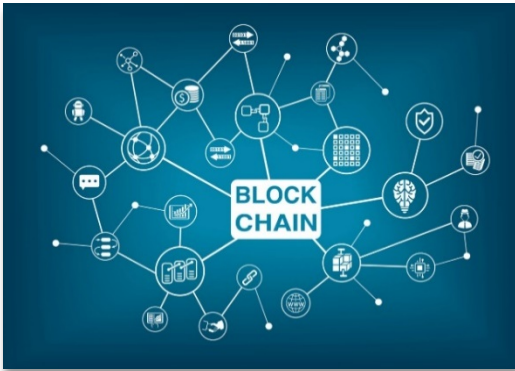
Common Tool Set

BES Reuse and Services Library





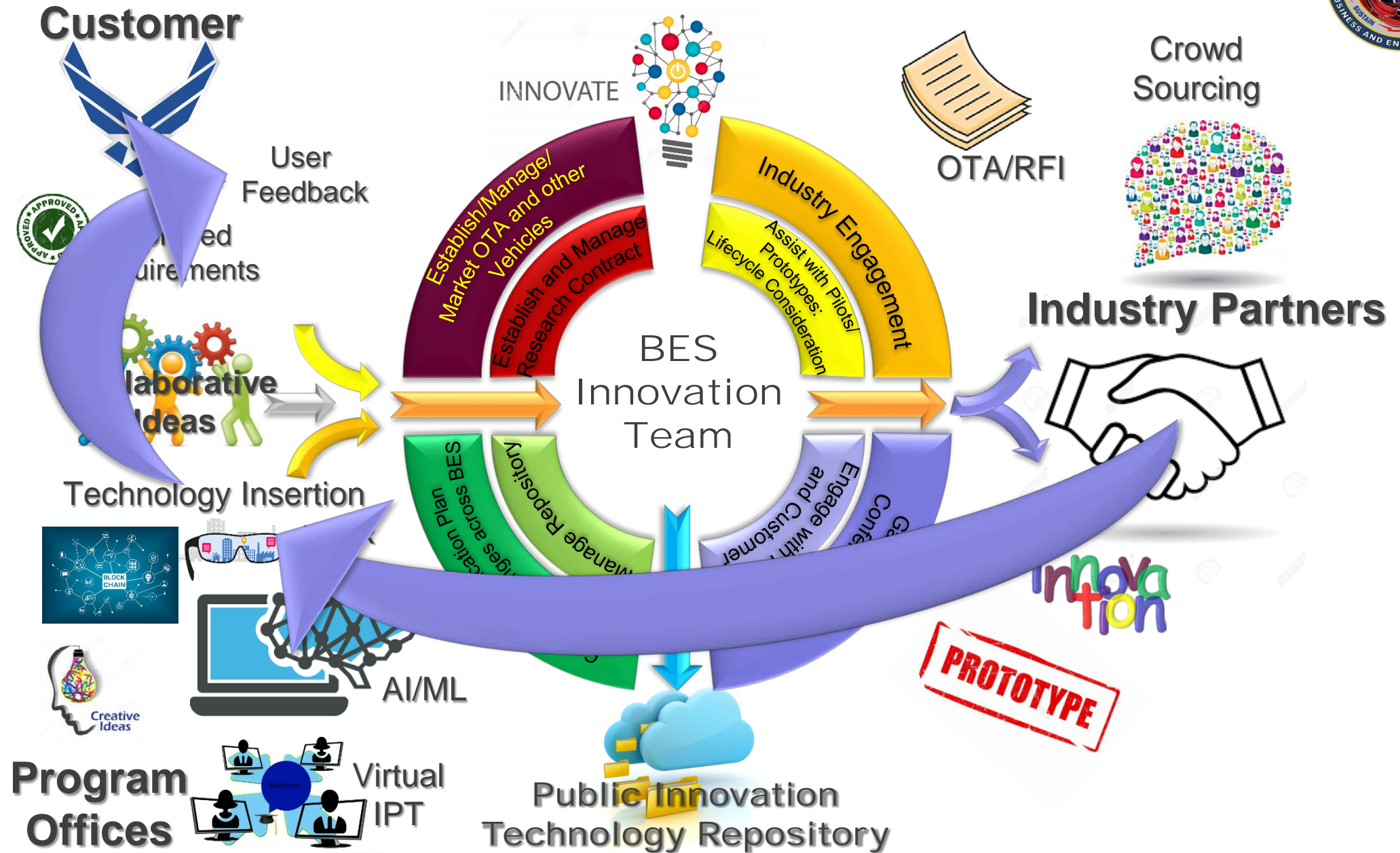
## *8. Get to the next thing*



AI/ML

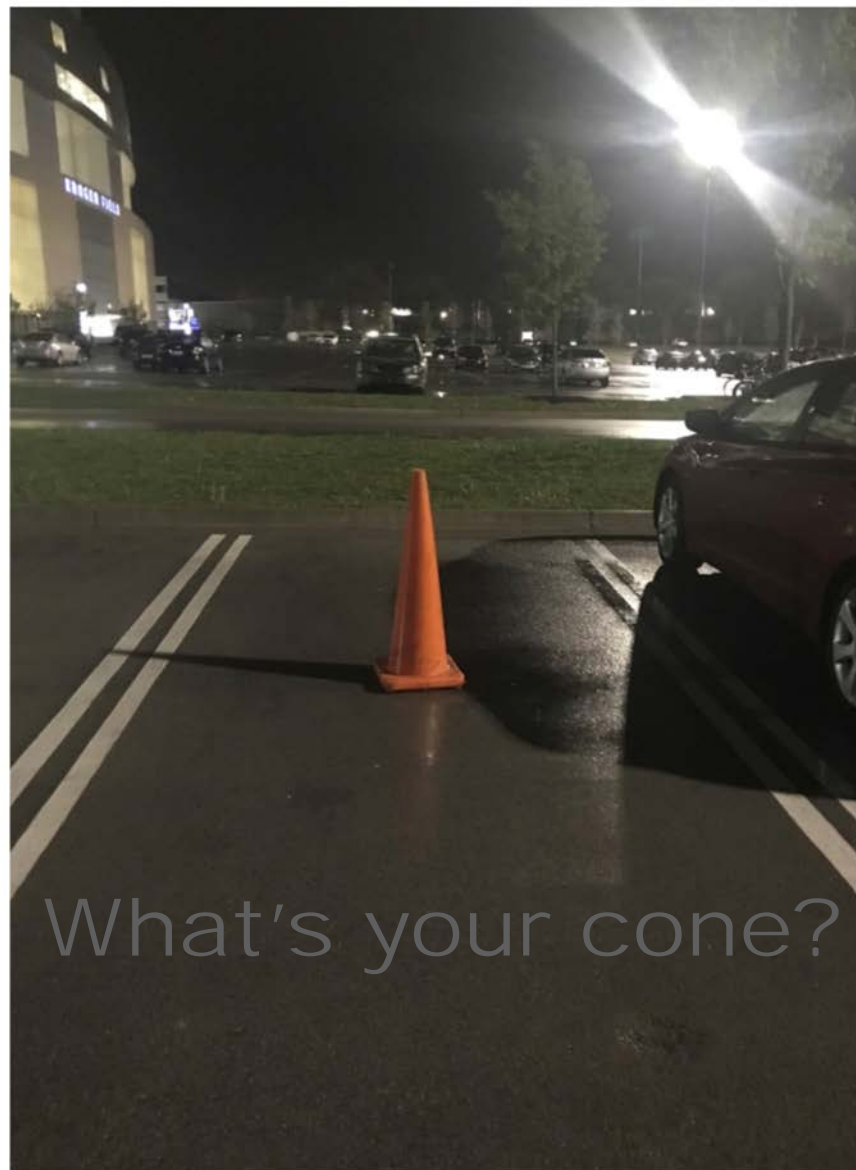
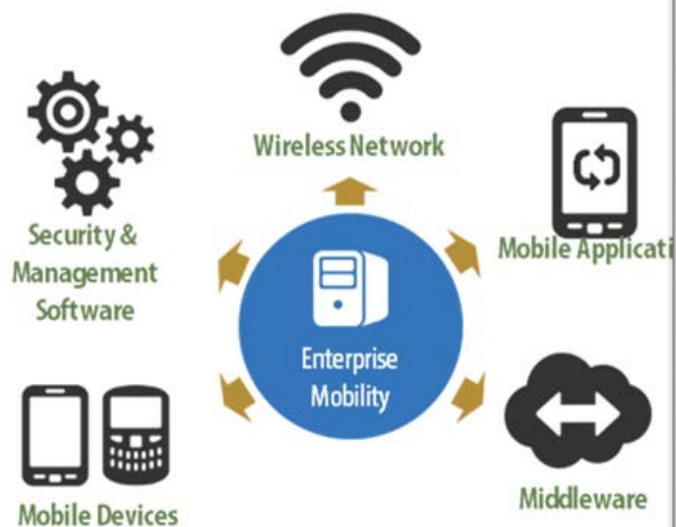
*What's next on the Horizon?*

# 9. BES Innovation Approach





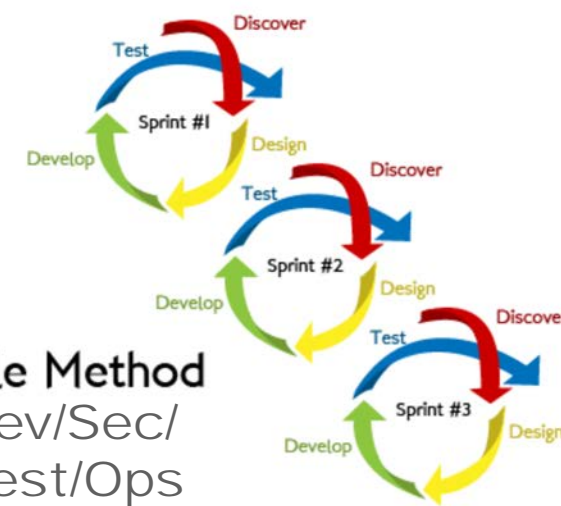
## 10. Innovation



What's your cone?

BES  
Innovation

ure



le Method  
ev/Sec/  
est/Ops

ntra:  
y the *BES*!





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### Small Business Office

*Ms. Denise Baylor*

*Director of Small Business Programs*



# Doing Business With BES



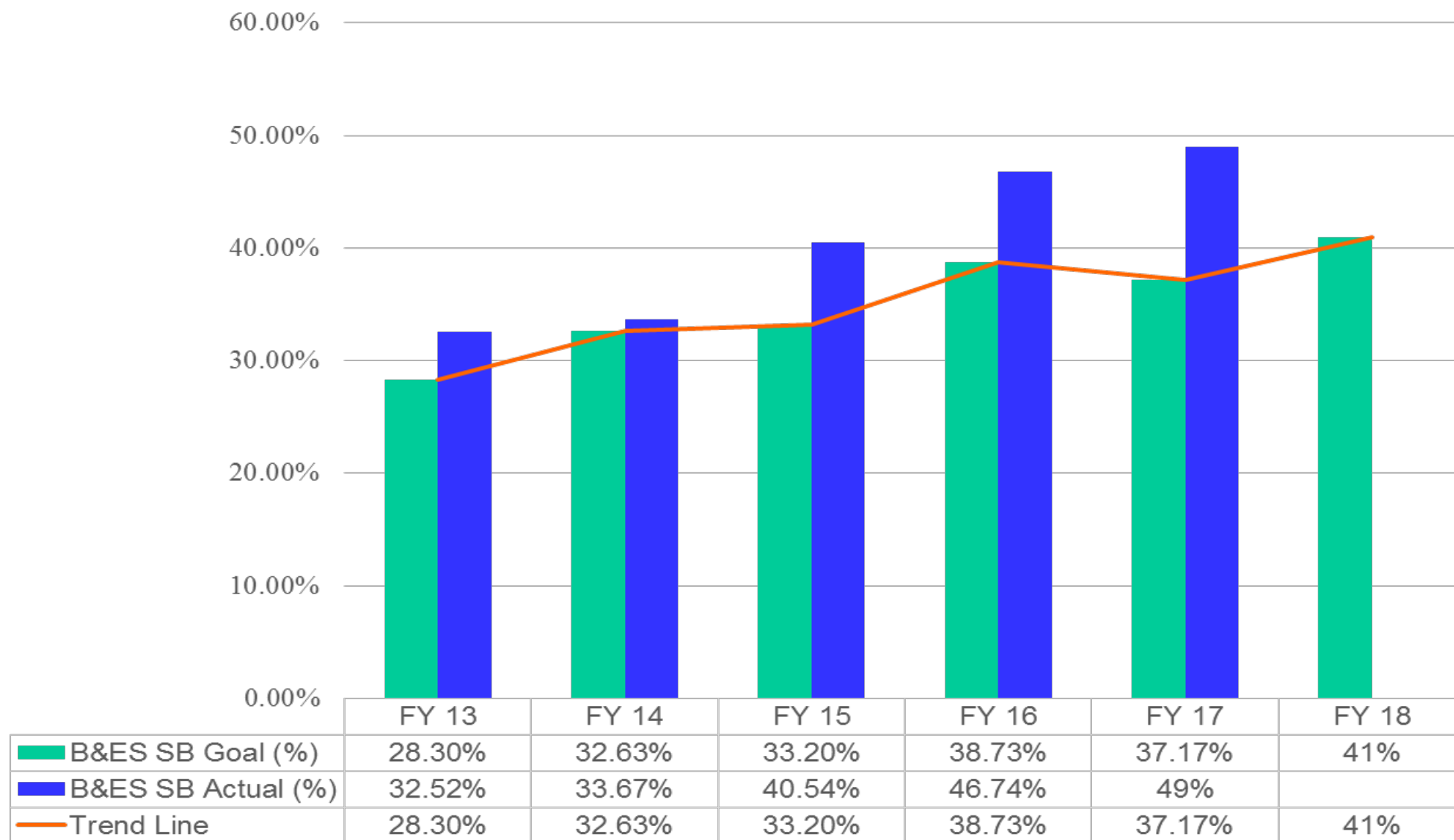
## Prior to Requesting a Meeting

- Know the market and narrow your perspective
- Register with the System for Award Management (SAM) @ [www.sam.gov](http://www.sam.gov)
- Do your research – Identify which BES mission aligns with your products or services
  - The BES Reference Guide is a great source to begin your research
- Familiarize yourself with Federal Acquisition Regulations (FAR)
  - FAR Part 19 Small Business Programs and other parts
- Build relationships with the Small Business Directors and Specialist
  - [www.airforcesmallbiz.af.mil](http://www.airforcesmallbiz.af.mil)
- Seek Opportunities – BES SMART Guide and Federal Business Opportunities page
  - [www.airforcebes.af.mil/besvendorcomm/](http://www.airforcebes.af.mil/besvendorcomm/) and [www.fbo.gov](http://www.fbo.gov)





# Small Business Successes





# Stay Connected

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## BES Social Media

**Small Business Website @ [www.airforcebes.af.mil/Units/Small-Business-Office/](http://www.airforcebes.af.mil/Units/Small-Business-Office/)**

**BES Website @ [www.airforcebes.af.mil](http://www.airforcebes.af.mil)**

**Email @ [www.besvendorcomm@us.af.mil](mailto:www.besvendorcomm@us.af.mil)**



Twitter.com/AirForceBES



facebook.com/AirForceBES



Instagram.com/AirForceBES

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## SAF/SB Social Media

**Website @ [www.airforcesmallbiz.org](http://www.airforcesmallbiz.org)**

**Email @ [answerdesk@airforcesmallbiz.org](mailto:answerdesk@airforcesmallbiz.org) (Customer Service)**



Twitter.com/AFSmallBiz



facebook.com/airforcesmallbiz



linkedin.com/company/airforcesmallbiz



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# BUSINESS AND ENTERPRISE SYSTEMS

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10th Annual  
2018

## Vendor Industry Day

**May 23, 2018**

# Agile Transformation

*Mr. Toy Robinson*  
*Director of Engineering*

# PEO BES Agile Snapshot



| Div/<br>Org | Pgm Name               | Phase/<br>Milestone | Qtr Started<br>Agile (FY) | Release Tempo/Schedule  | Contractor/Developer   | Contract<br>Type |
|-------------|------------------------|---------------------|---------------------------|---|--|------------------|
| HIC         | AFWAY                  | BCAC 5              | 3Q17                      | 4 weeks   | Organic Military w/ Ctr Augmentation (Excellus Solutions, LLC)                                   | FFP              |
| HIB         | ARMS                   | BCAC 5              | N/A                       | Not fully Agile (Scrum) yet; resolving 3rd party software coupling integrations | Organic Military w/ Ctr Augmentation (eSolution Architects Inc); also using 581 SMXG for Rel 7.1 | FFP              |
| HIH         | AF MILPERS<br>vMPF-OPA | BCAC 5              | 3Q17                      | 3.5 weeks sprints   | Human Resource Systems Technical Support   | CPIF             |
| HIBC        | CON-IT                 | BCAC 4              | 4Q17                      | 3 weeks sprints   | USDA   | FFP              |
| HIBD        | NEXGEN                 | BCAC 4              | 3Q17                      | 3 weeks Dev/Prod release quarterly  | CACI   | CPFF             |
| HIBQ        | PBES                   | BCAC 4              | 2Q17                      | 6 weeks   | TACG   | FFP              |
| HIAR        | ILS-S                  | BCAC 5              | 2Q18                      | TBD, currently in planning phase  | Datum Software/DSD Labs  | FFP/FFP          |
| HIAR        | MSAT                   | BCAC 5              | 3Q17                      | Release in aggregate form   | Array Information Technology   | FFP              |

- Methodology: Most agile efforts are using Scrum
- Training: On-going investment; mkt research on Portfolio Agile Coaching Services
- Tools: Varied, Jira, Team Foundation Server; HIQ tasked to review/recommend BES toolsets

# PEO BES Agile Successes



- Orders Processing App: Small changes to add data to AF Form 899 and AF Form 100 allows the AF a savings of **\$2M/yr** on PCS transactions
- NEXGEN: 1st Qtr release for 2018 allows AFCEC/FMO to focus on configuration changes that made TRITGA COTS simpler and easier to use; reducing the number of manual workarounds
- ARMS: Working to file web services implementation that replace direct database-to-database connections between **5** interface partners – getting ready for cloud security rules of engagement!
- BES: **141** members trained in Agile Fundamentals; **15** members completed Scrum Masters training; **14** members completed ISTQB Agile Testing
- 45 Test Squadron: Reporting measurable reduction in problem reports discovered during CV&I and QT&E phases of testing



# PEO BES Agile Opportunities

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- WANTED: Automation and DevOps
  - Automated build from BES source code repository
  - Automated unit, e2e functional testing
  - Automated deployment/config management w/ C3I&N-selected tools for cloud automation
- WHERE WE ARE: Shy of the mark
  - Many BES Dev teams (organic and contractor) have not yet made automated build-test-deploy a core competency
  - Documentation that keeps pace w/ code change; continued risk of redundant capability development
  - Funding for agile tooling – by program, by BES Portfolio or AF-wide funding?

# What's Needed From Industry

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- More investment in developer skills across current and future BES development contracts
  - Java testing: Cucumber, Junit, Selenium, Mockito
  - .NET testing: SpecFlow, Nunit, Selenium, Moq
  - Web Frameworks: Angular w/ Spring Rest; Angular w/ .NET Web API
  - Responsive Presentation: Bootstrap 4
- Agile Innovation: Send us your ideas – white papers on how current contract supporting a BES app can introduce innovation
  - Data: REST exposure, Analytics, Machine Learning, etc.
  - Mobile: Parts of app exposed for iOS and Android users

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PEO BES Agile Manifesto – We Must Transform!

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# 15 Minute Break



*UP NEXT...*

Upcoming Acquisition  
Opportunities

**PANEL PRESENTATIONS**

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## Logistics Systems

*Col Alvin F. Burse, Division Chief*





# Enterprise Logistics Systems

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Col Alvin F. Burse, SML  
Director

Enterprise Logistics System  
Division

Maxwell AFB, Gunter Annex, AL

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\$158.4M Total Budget

31 Major Systems

45 Subsys/Apps

814,569 Customers

50M Lines of Code

20 S/W Languages

1478 Interfaces



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## Baseline to Frontline

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# Enterprise Logistics Systems

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## MISSION

*Deliver integrated logistics information driving war winning decisions by shaping, acquiring, and sustaining warfighting IT capabilities and mission support*

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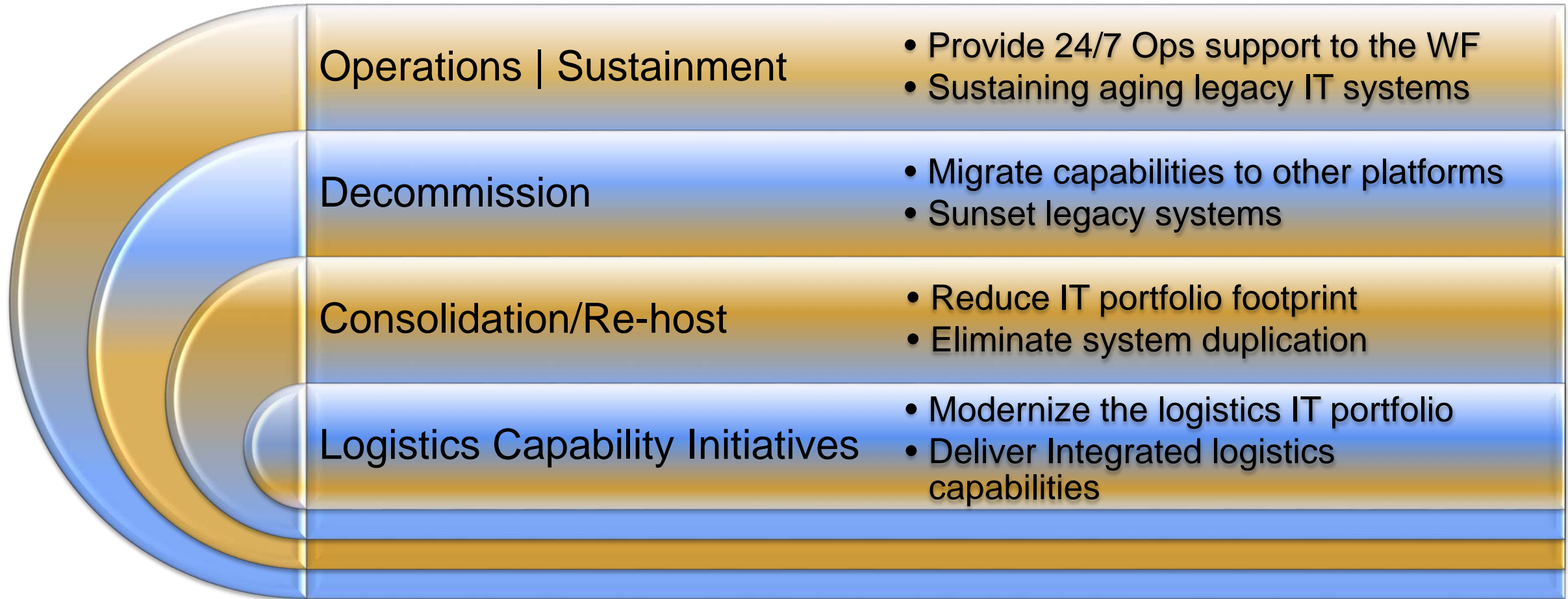
Baseline to Frontline

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# Enterprise Logistics Systems Programs



## ■ Line of Efforts



Baseline to Frontline



# Enterprise Logistics Systems

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- Approach/Strategy
  - Think Big, Start Small and Scale Fast
- Goal:
  - Deliver IT capabilities to the warfighter faster...at the “Speed of Need”
- Industry Help Needed:
  - Execute current contracts within cost, schedule and performance
  - Partner with us to deliver capability to the warfighter faster
  - Develop and deliver game-changing technology/innovation
  - Communicate! Communicate! Communicate!

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Baseline to Frontline

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# Enterprise Logistics Systems Programs

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- Integrated Maintenance Data System Central Database
- Stock Control System
- Weapon System Management Information System

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Baseline to Frontline

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# Integrated Maintenance Data System Central Database (IMDS CDB)



## Description

- IMDS CDB is the AF base-level automated maintenance management information system. Provides wartime readiness and operational support of aircraft, trainers, simulators, communications-electronics, MRAPS and support equipment maintenance activities to world-wide operating bases, ANG and AFRC sites.

### **\*Recent Activity:**

- Potential “Lift and Shift” to the Azure Cloud
- Mobile IMDS CDB Capability
- Follow-on to MOSS II Sustainment Contracts

**Activity:** Sustainment (Re-host and Possible Tech Refresh)

**Customer:** HAF A4PA, HAF/A4LM, HQ ACC, ANG and AFRC

**\*Total Contract Cost:** TBD

### **Program Manager:**

Mr. Ronnie Rolph, 334-416-6229

### **Contracting Officer:**

Mr. Maurice Griffin, 334-416-6099

## Acquisition Strategy Planning

**Contract Type:** TBD

**Current Contract Expiration:** August 2019 (Sustainment)

**PoP:** TBD

**Acq Approach:** C3I&N IDIQ for Cloud Migration; NETCENTS-2 App Services or Follow-on for Sustainment

**\*Current Activity:** Pending PWS Release for SME follow-on

## Unique Requirements/Risks/Concerns

- Potential Cloud issues if migrated
- Mobile expertise, implementation and security
- Sustainment issues associated Cloud migration and mobile capability

*\*Dates are estimates only and often change during the acquisition process*



# Stock Control System (SCS)

## Description

- SCS delivers world-wide readiness and sustainability for the warfighter by providing faster, accurate allocation and movement of materiel

### \*Anticipated Milestone Dates:

- |                  |                             |
|------------------|-----------------------------|
| ▪ RFI Release    | 2QFY18 ( <i>completed</i> ) |
| ▪ RFP Release    | 3QFY18                      |
| ▪ Contract Award | 2QFY19                      |

## Acquisition Strategy Planning

**Contract Type:** FFP, CPFF and CR

**Current Contract Expiration:** April 2019

**PoP:** March 2019 – March 2024 (One year base period plus four 1-year option periods) (Includes 60 day transition period)

**Acq Approach:** NETCENTS-2 App Services Small Business contract

**NAICS Code:** 541511 – Custom Computer Programming Services

**Incumbent:** Exeter Government Services, LLC

**Activity:** Development/Sustainment

**Customer:** AFLCMC/A4, AFSC/LG, AFMC/FMR and Marines

**\*Total Contract Cost:** \$40M – \$44M

**Program Manager:**

Mr. Christopher Whitaker, 937-257-8335

**Contracting Officer:**

Ms. Molly Verbillion, 937-904-0181

## Unique Requirements/Risks/Concerns

- Data Center Optimization Initiative (DCOI)
- Combined Mid-tier and Mainframe System
  - Movement to DISA Part of New Contract
- Moving Business System into the Cloud
- Enterprise Data and Cloud Interaction

*\*Dates are estimates only and often change during the acquisition process*



# Weapon System Management Information System (WSMIS)



## Description

- The WSMIS modules provide standard automated AF decision support and operational support tools that compute and assess wartime requirements. WSMIS provides the capability to view impacts of logistic resources on wartime capabilities.

### \*Anticipated Milestone Dates:

- |                  |                             |
|------------------|-----------------------------|
| ▪ RFI Release    | 4QFY17 ( <i>completed</i> ) |
| ▪ RFP Release    | 3QFY18                      |
| ▪ Contract Award | 2QFY19                      |

## Acquisition Strategy Planning

**Contract Type:** FFP, CPFF and CR

**Current Contract Expiration:** April 2019

**PoP:** March 2019 – March 2024 (One year base period plus four 1-year option periods) (Includes 30 day transition period)

**Acq Approach:** NETCENTS-2 App Services Small Business contract

**NAICS Code:** 541511 – Custom Computer Programming Services

**Incumbent:** Excellus Solutions, LLC

**Activity:** Development/Sustainment

**Customer:** AF, ANG, AFR and deployed multi-service sites

**\*Total Contract Cost:** \$11M – \$14M

**Program Manager:**

Ms. Sandra James, 937-257-7227

**Contracting Officer:**

Mr. David Zeller, 937-656-0148

## Unique Requirements/Risks/Concerns

- Migrate off SAP PowerBuilder
- Upgrade WSMIS applications to “Cloud native services” in the future

*\*Dates are estimates only and often change during the acquisition process*



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## Business Systems

*Mr. Timothy Nixon, Division Chief*



# Who We Are



**Mr. Tim Nixon, NH-04**

Director

Business Systems Division  
Maxwell AFB, Gunter Annex, AL

## Business Systems – HIB

\$ 170.4M Total Budget

53 Programs:

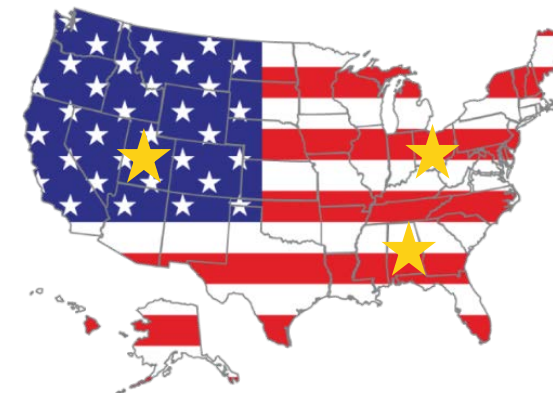
1 ACAT I

2 ACAT III

5 Non-ACAT

6 BCAT II

39 BCAT III



>2,000,000+ User Accounts

Enabling *Every* Airman...*Everyday*



# Next Generation IT (NexGen IT)

## Description

- NexGen IT capability replaces legacy Civil Engineering IT tools and enables future Civil Engineer IT capabilities. The NexGen IT application is based on IBM TRIRIGA COTS application with supporting code development. It consists of integrated modules with embedded/configurable business practices and capabilities in Real Estate, Energy, Computerized Maintenance Management Systems (CMMS), Project Management and Space Management.

### **\*Anticipated Milestone Dates:**

- RFI Release 2QFY18
- RFP Release 4QFY18
- Contract Award 2QFY19

**Activity:** Configuration, Deployment and Sustainment

**Customers:** AFCEC

**Total Contract Cost:** \$50M – \$65M (*estimate*)

### **Program Manager:**

Maj Tom Simmons, 334-416-6177

### **Contracting Officer:**

Ms. Anna Jackson, 334-416-4055

## Acquisition Strategy Planning

**Contract Type:** TBD

**Current Contract Expiration:** March 2019

**PoP:** March 2019 – March 2024 (One year base period plus four 1-year option periods)

**Acq Approach:** TBD

**NAICS Code:** 541511 – Custom Computer Programming Services

**Incumbent:** CACI

## Unique Requirements/Risks/Concerns

- Utilizes IBM TRIRIGA COTS which requires certified/experienced configuration and engineering team
- Installation conversion and deployment schedule is evolving to support individual base contracting needs
  - Deployments solidified >180 days prior to each deployment
  - 43 of 180+ installations currently supported by NexGen

*\*Dates are estimates only and often change during the acquisition process*



# Logistics Feasibility Analysis Capability (LOGFAC)



## Description

- LOGFAC supports operations and logistics planning providing tasking capability down to the National Stock Numbers (NSN) level of detail in support of specific Operations Plans (OPLANs). LOGFAC also supports logistics and feasibility or COA analysis. LOGFAC supports planning, execution and monitoring of forces, equipment and supplies during peacetime, contingency situations, periods of natural crisis and both limited and global war.

### **\*Anticipated Milestone Dates:**

- RFI Release 3QFY18
- RFP Release 1QFY19
- Contract Award 3QFY19

## Acquisition Strategy Planning

**Contract Type:** TBD; currently FFP

**Current Contract Expiration:** April 2019

**PoP:** May 2019 – April 2023 (One year base period plus three 1-year option periods)

**Acq Approach:** TBD

**NAICS Code:** 541511 – Custom Computer Programming Services

**Incumbent:** DSD Laboratories, Inc.

**Activity:** Sustainment and Potential Optional Development

**Customers:** HAF/A30D and ACC/A5C

**Total Contract Cost:** <\$8M (*estimate*)

### **Program Manager:**

1Lt Kurt Luetzow, 334-416-6430

### **Contracting Officer:**

Ms. Princess Kendrick, 334-416-5203

Mr. Avery Brown, 334-416-5633

## Unique Requirements/Risks/Concerns

- LOGFAC uses Solaris, Oracle WebLogic Server and Forms and Reports
- Optional Development CLINs

*\*Dates are estimates only and often change during the acquisition process*



# Automated Civil Engineer Systems Family of Systems (ACES FoS)



## Description

- Consists of three distinct operational applications: ACES, ACES-Fire Department (ACES-FD) and Explosive Ordnance Disposal Information Management System (EODIMS). This FoS is used in the management of information supporting the Civil Engineer Squadron (CES) missions and provides commanders and managers, both internal and external to the CE community, current information for use in peace or wartime decision making.

### **\*Anticipated Milestone Dates:**

- RFI Release 2QFY18 (*completed*)
- RFP Release 1QFY19
- Contract Award 3QFY19

## Acquisition Strategy Planning

**Contract Type:** FFP

**Current Contract Expiration:** May 2019

**PoP:** May 2019 – May 2024 (One year base period plus four 1-year option periods)

**Acq Approach:** TBD

**NAICS Code:** 541511 – Custom Computer Programming Services

**Incumbent:** IndraSoft, Inc.

**Activity:** Sustainment

**Customers:** AFCEC

**Total Contract Cost:** \$40M – \$45M (*estimate*)

**Program Manager:**

Capt Adam Corley, 334-416-6050

**Contracting Officer:**

Ms. Cynthia Dodd, 334-416-4193

## Unique Requirements/Risks/Concerns

- Implementation of agile development while operating under RMF continuous monitoring
- System changes such as increasing user segments and enhancing functionality with potential for development in out years
- Sustainment and migration of legacy systems into the cloud

*\*Dates are estimates only and often change during the acquisition process*



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### Enterprise Services

*Mr. F. R. Schnell, Deputy Division Chief*



# Enterprise Services

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## MISSION

*Delivers Enterprise warfighting IT Capabilities by simplifying the acquisition of supplies and services, developing enterprise-wide strategic sourcing strategies, while driving commonality, standardization and security*



# Enterprise Services Programs

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## HICA Branch – Presenting

- ITCC (Information Technology Commodity Council)
- SEAMLS/ESI (Software Enterprise Acquisition Management and Lifecycle Support/Enterprise Software Initiative)
- AFECMO (Air Force Enterprise Configuration Management Office)

## HICB Branch

- AFCEDS (Air Force Center for Electronic Distribution of Systems)
- IT BAO (IT Business Analytics Office)
- AFWAY (AF Way)
- FAS (Field Assistance Services)

## HICI Branch

- NETCENTS (Network Centric Solutions)
  - NETCENTS-2
  - SBEAS (Small Business Enterprise Application Solutions)
- EA (AF Enterprise Architecture ID/IQ)



# Digital Printing and Imaging – DPI



## Description

- DPI is the AF's strategic source for enterprise printing and imaging solutions
- Leverages AF buying power to procure secure, standardized devices at significant cost savings

### \*Anticipated Milestone Dates:

- |                                |        |
|--------------------------------|--------|
| ▪ Solicitation Release         | 4QFY18 |
| ▪ BPA Award                    | 2QFY19 |
| ▪ Execute Annual Product Cycle | 3QFY19 |

## Acquisition Strategy Planning

**BPA Type:** Competitively awarded BPAs to GSA FSS 36/70/75 holders

**Current BPA Expiration:** 2019

**PoP:** 2019 – 2024 (Five years)

**Acq Approach:** Full and Open, BPAs in accordance with FAR Part 8.4

**NAICS Code:** 334118 – Computer Terminal and Other Computer Peripheral Equipment Manufacturing

**Incumbent:** Coast to Coast, Hewlett-Packard, HMS Technologies, Intelligent Decisions, Lexmark, NCS Technologies

**Activity:** DPI

**Customer:** AF users

**Total BPA Spend:** \$108M (in decentralized spend)

**Program Manager:**

2Lt Christopher Palmer, 334-416-5416

**Contracting Officer:**

Mr. Russ Carruth, 334-416-6576

## Unique Requirements/Risks/Concerns

- DPI includes single function printers, multi-function printers, scanners, consumables and associated world-wide support
- Product Selection Cycles (PSCs) are executed annually, providing flexibility to changes in technology and security requirements
- Products posted on AFWay for decentralized purchasing
- No Risks/Issues/Concerns

*\*Dates are estimates only and often change during the acquisition process*



# Software Enterprise Acquisition Management & Lifecycle Support – SEAMLS



## Description

- SEAMLS serves as the central focal point for establishing and maintaining AF Software Enterprise License Agreements (ELAs) to achieve cost savings, improve software license management and streamline procurement. SEAMLS also supports the DoD Enterprise Software Initiative (ESI) at the AF Software Product Manager and provides support for AF participation in establishing Joint ELAs

### \*Anticipated Milestone Dates:

- |                        |        |
|------------------------|--------|
| ▪ Solicitation Release | 2QFY19 |
| ▪ Contract Award       | 3QFY19 |

**Activity:** Software Enterprise Acquisition Management and Lifecycle Support

**Customer:** AF, DoD and other Federal Agencies

**Total Contract Cost:** \$3M – \$3.5M (*estimate*)

### **Program Manager:**

Mr. Ben Burns, 334-416-5211

### **Contracting Officer:**

Ms. Christina Wolf, 334-416-4338

## Acquisition Strategy Planning

**Contract Type:** FFP

**Current Contract Expiration:** July 2019

**New Contract PoP:** July 2019 – July 2022 (One year base period plus two 1-year option periods)

**Acq Approach/Small Business Set Aside:** Competitive 8(a)

**NAICS Code:** 541519 – Other Computer Related Services

**Incumbent:** Possible Missions, Inc.

## Unique Requirements/Risks/Concerns

- SEAMLS provides contractor support services for market research, requirements analysis, software license management and customer support for the AF Oracle and Gartner ELAs; Adobe, Cisco and Microsoft Joint Enterprise Level Agreements (JELAs) and the DoD ESI Telos BPA
- Transforms the enterprise with proven IT solutions for the warfighter
- No Risks/Issues/Concerns

*\*Dates are estimates only and often change during the acquisition process*



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## Closing Remarks

*Col Kyle A. Reybitz  
BES Deputy Director*

# Air Force Information Technology & Cyberpower *Conference*



# AFITC



CyberVision of the Future:  
**Mission Defense and Trusted Information**

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