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BUSINESS AND ENTERPRISE SYSTEMS

VENDOR INDUSTRY DAY

MAY 24, 2023

OPENING REMARKS

CAPTAIN ARTHUR J. ROSE

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AGENDA

AGENDA

1330 – 1335	ATTENDEE CHECK-IN
1335 – 1340	OPENING REMARKS – ARTHUR J. ROSE, CAPTAIN, USAF
1340 – 1345	**WELCOME – MR. ALVIN BURSE** Civilian Deputy, Business and Enterprise Systems Directorate
1345 – 1440	**BES ENTERPRISE – WHERE ARE WE NOW? (Roundtable Discussions)** **DSO Automation, Software Supply Chain, and Resilient Computing** DR. JOSEPH BESSELMAN, Chief Disruption Officer MR. TOY ROBINSON, Director of Engineering MS. PRISCILLA MERRIWEATHER, Eagle Eye Program Manager MR. LARRY CHARBONNEAU, Senior Innovation Engineer **BES Cybersecurity** MR. WILLIAM KRAMER, Chief, Cyber Security Services **BES Atlassian Toolset and Agile Services/Mach 5 – BES Low Code Application Platform (LCAP)** MR. DAVID SAMPSON, Chief, Services Management **Small Business Updates** MS. YOLANDA MCCAIN, Director, BES Small Business Programs **Small Business Enterprise Application Solutions (SBEAS) Overview** MS. NICOLE LOONEY, SBEAS Program Manager
1440 – 1445	BREAK
1445 – 1625	**UPCOMING ACQUISITION OPPORTUNITIES** **ENTERPRISE LOGISTICS SYSTEMS** **PROGRAMS TO BRIEF:** - Air Force Geospatial Information Management System (AFGIMS) • Caleb Jackson, Second Lieutenant, USAF – Project Manager • Ms. Cynthia Dodd – Contracting Officer - Automated Civil Engineering System Family of Systems (ACES FoS) • Ms. Tiffany Fitzgerald – Capability Delivery Manager • Ms. Cynthia Dodd – Contracting Officer - TRANS Family of Systems Cargo and Personnel Movement • Ms. Brandi Green – Capability Delivery Manager • Mr. Christopher Artis – Contracting Officer **MISSION SUPPORT SYSTEMS** **PROGRAMS TO BRIEF:** - Deliberate and Crisis Action Planning and Execution Systems (DCAPES) • Jason Bindewald, Lieutenant Colonel, USAF – Capability Delivery Manager • Ms. Catrina Lewis – Contracting Officer - Logistics Feasibility Analysis Capability (LOGFAC) • Jesus Parra, First Lieutenant, USAF – Capability Delivery Manager • Ms. Catrina Lewis – Contracting Officer - Logistics Module (LOGMOD) and Base Support and Expeditionary (BaS&E) PMO Support Services • Mr. Gary Gardner - Capability Delivery Manager • Ms. Elaine Hohmann – Deputy Capability Delivery Manager • Ms. Catrina Lewis – Contracting Officer **FINANCIAL SUPPORT SYSTEMS** **PROGRAMS TO BRIEF:** - Keystone Decision Support Systems (KDSS)/Command Management System (CMS) • Ms. Jaylene Carteret – Deputy Portfolio Manager, Financial Systems
1625 – 1630	**CLOSING REMARKS – MR. ALVIN BURSE** Civilian Deputy, Business and Enterprise Systems Directorate

WELCOME

MR. ALVIN BURSE
CIVILIAN DEPUTY,
BUSINESS & ENTERPRISE SYSTEMS DIRECTORATE

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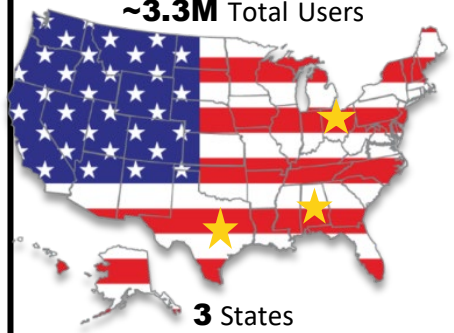
AFPEO BES Overview

128 Programs
~3.3M Total Users



3 States
AL, **OH**, and **TX**

BCAT I	**2**
BCAT II	**8**
BCAT III	**69**
ACAT I (NSS)	**1**
ACAT III (NSS)	**2**
O&S (NSS)	**7**
Support	**32**
SCAT	**7**

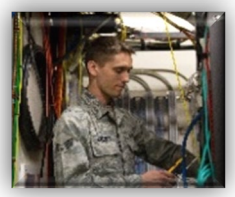
Over 400 apps, 5 IDIQ contract vehicles w/ $30B ceiling

MISSION
Operate. Integrate. Innovate

VISION
Delight the User!

BUSINESS AREAS

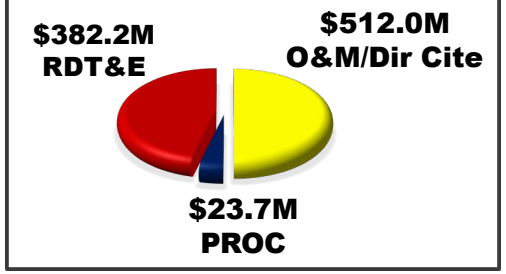
Civil Engineering	Logistics
Communications	Maintenance
Transportation	Supply Chain
Contracting	Personnel
Accounting	Pay
IT Services	Medical
Acquisition	Infrastructure
PPBE	Operations
Legal	Munitions
IG	Wing Operations



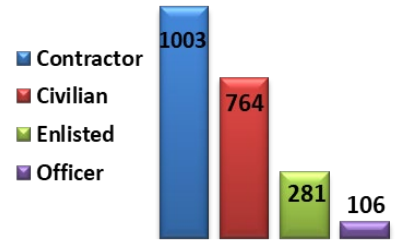
89 DISTINCT CUSTOMERS *and* 200+ STAKEHOLDERS
Most at the GO/SES level

WE run the SYSTEMS that run the AIR FORCE

$917.9M
PORTFOLIO VALUE



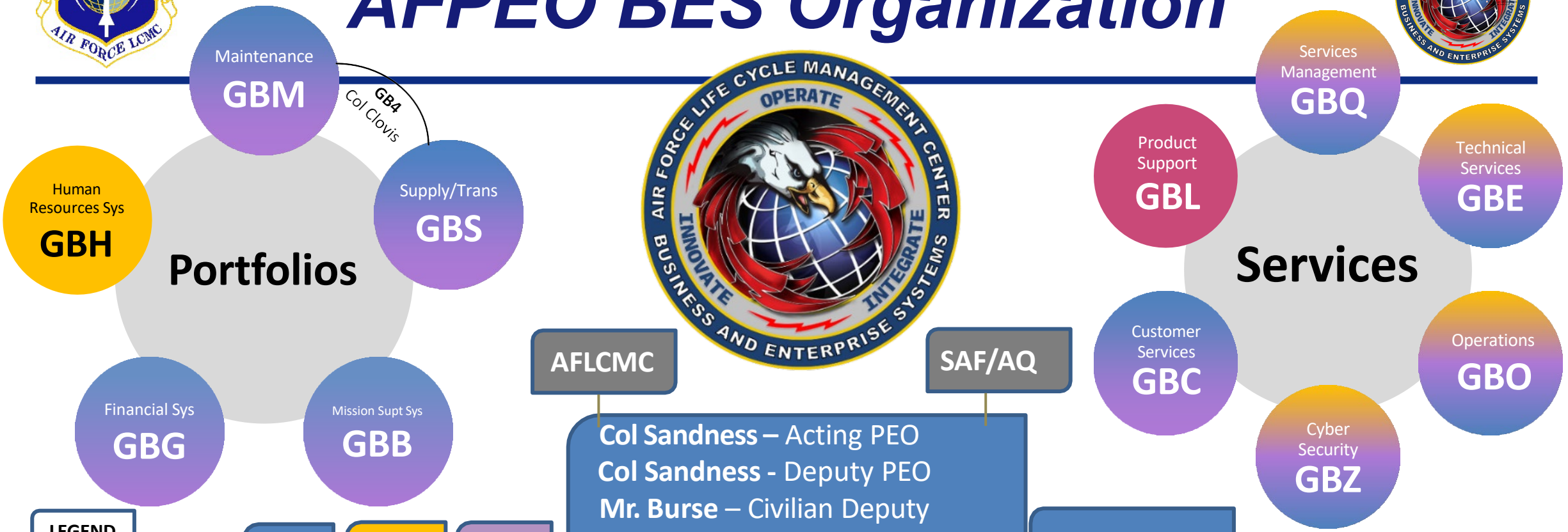
2,154 PERSONNEL



FY22 Accomplishments

- Delivered **10,990** Capability Requirements to Warfighter **105%** of Planned vs. Actual
- **552** Contract Actions, valued at **$630M**

AFPEO BES Organization



DSO AUTOMATION, SOFTWARE SUPPLY CHAIN, AND RESILIENT COMPUTING

DR. JOSEPH BESSELMAN
CHIEF DISRUPTION OFFICER

MR. TOY ROBINSON
DIRECTOR OF ENGINEERING

MS. PRISCILLA MERRIWEATHER
EAGLE EYE PROGRAM MANAGER

MR. LARRY CHARBONNEAU
SENIOR INNOVATION ENGINEER

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Computing Realities – 4: Culture

- To the greatest extent possible we want to use:
  - Software as a Service (SaaS) over Platform as a Service (PaaS) and PaaS over Infrastructure as a Service (IaaS)
  - SaaS: these are software platforms like OneNetwork (Supply Chain with clone in Cloud One) or SalesForce; however, our preference is to operate such capabilities on Cloud One
  - PaaS: machine, robotically operated and monitored massively scaled capabilities in the Cloud—much cheaper to use and keeps us on the Cloud provider's innovative cycle

  - IaaS: expensive, labor-intensive, glacially paced, human-monitored, and operated capabilities in the Cloud

Ride Cloud One Security Services

- Don’t get hung up on the products
- Incrementally evolve security services and “rip and replace” **ONLY** when exponential or disruptive advances are proven
- We’re on a trajectory of eliminating the needless technical variation that exists across the security services **INFECTING** our systems
- Cloud One provides massively scaled Zero Trust, ICAM trajectory solutions—we must ride them and **DRIVE** their evolution
- We will introduce new security strategies that exploit scale and position computing and content close to the warfighters

Ancillary Activities

- Separate computing from the building of capabilities
  - Ride commercial cloud innovative cycles
  - Provide Industry Partners specific computing patterns that our capabilities must meet
- In partnership with Cloud One, we're also looking to pilot Rafay and Anthos as our Kubernetes Orchestration engine(s)
- Application Programming Interface (API) as a Service
- Must move beyond DevOps—important next topic to address

Eagle Eye Focus

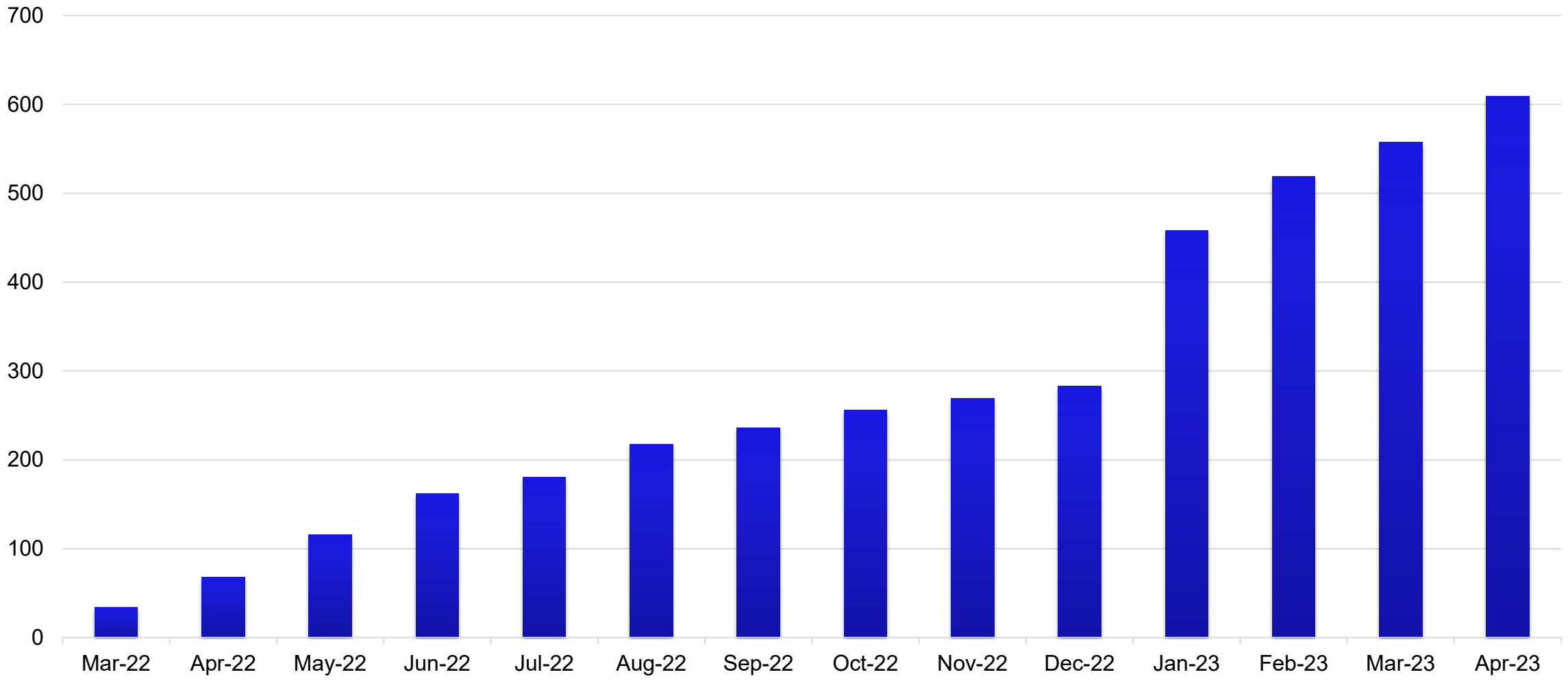
Take Total Control Over Software Deployed to Our Aircraft, Networks, and Systems

- Develop and deploy DAF specific, salient features of the Google and Akamai best practices and processes:
  - Scanning rigor, repeatability (multi-dimensional)
  - Engender a quantitative culture
  - Software Bill of Materials
  - Open Source Component Formalization
  - Central team to build, hash, and interrogate our own executables and operate and possibly fix issues

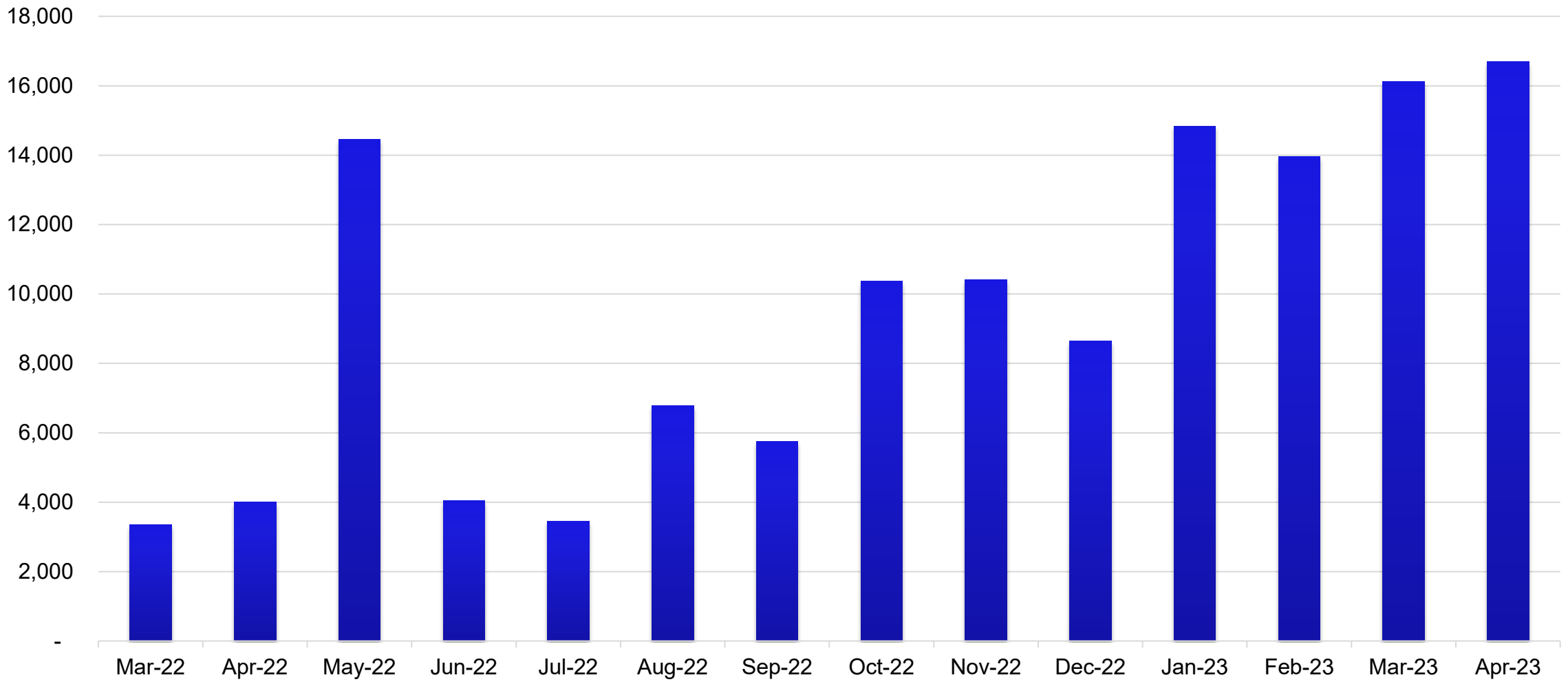
Composite Capabilities

- Expand the use of Robotic Process Automation (RPA) to grow cross-domain capabilities in hours, days, and weeks
- Start the analysis of pools of systems that we can put in stasis and begin to build capabilities on top and across the pool(s)
  - Use RPA for “instant capabilities”
  - Java, Python, Appian to “solidify” the RPA functionality
- Parts Bot is the first example composite capability, ultimately targeting the use of data from eight systems
- First Bot bringing Machine Learning to the fight to identify types of nefarious behavior should be live by 22 May

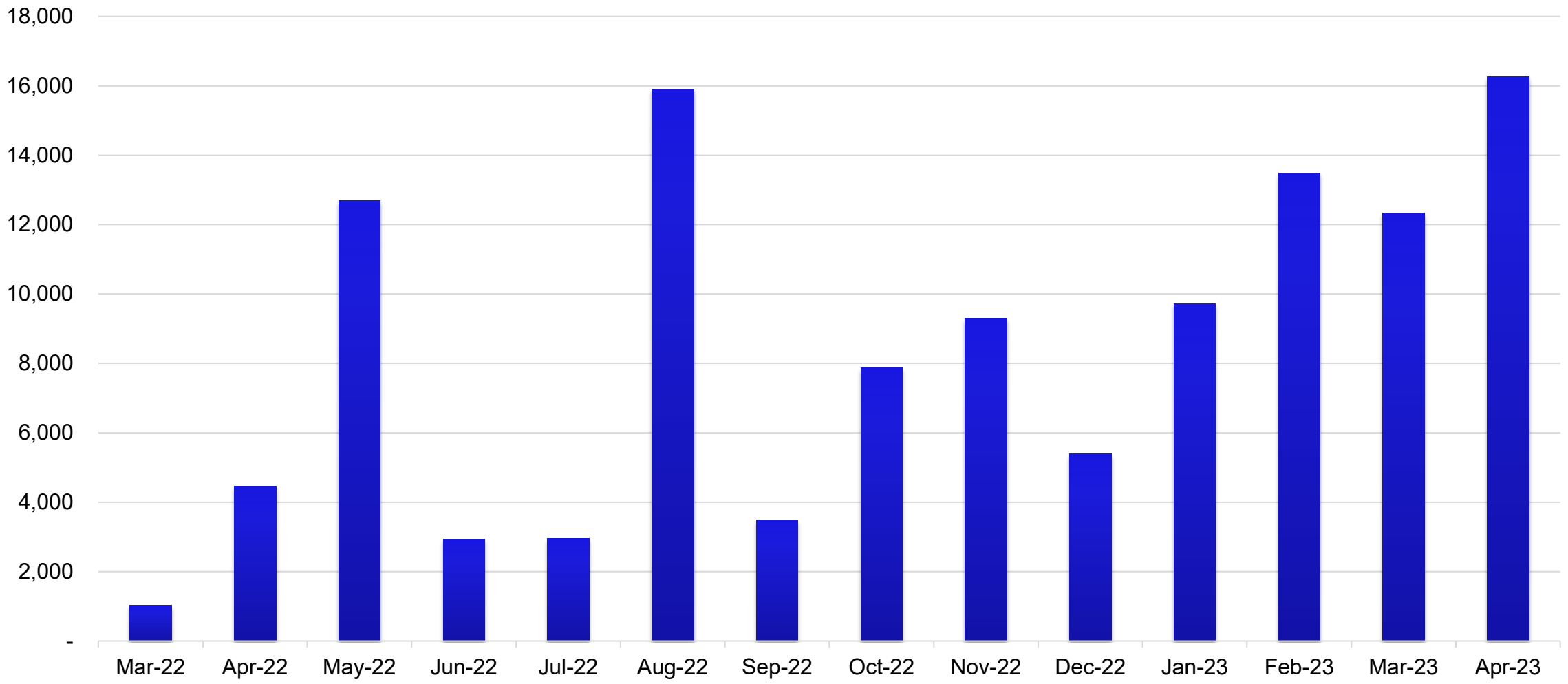
Aggregate Bots in Production



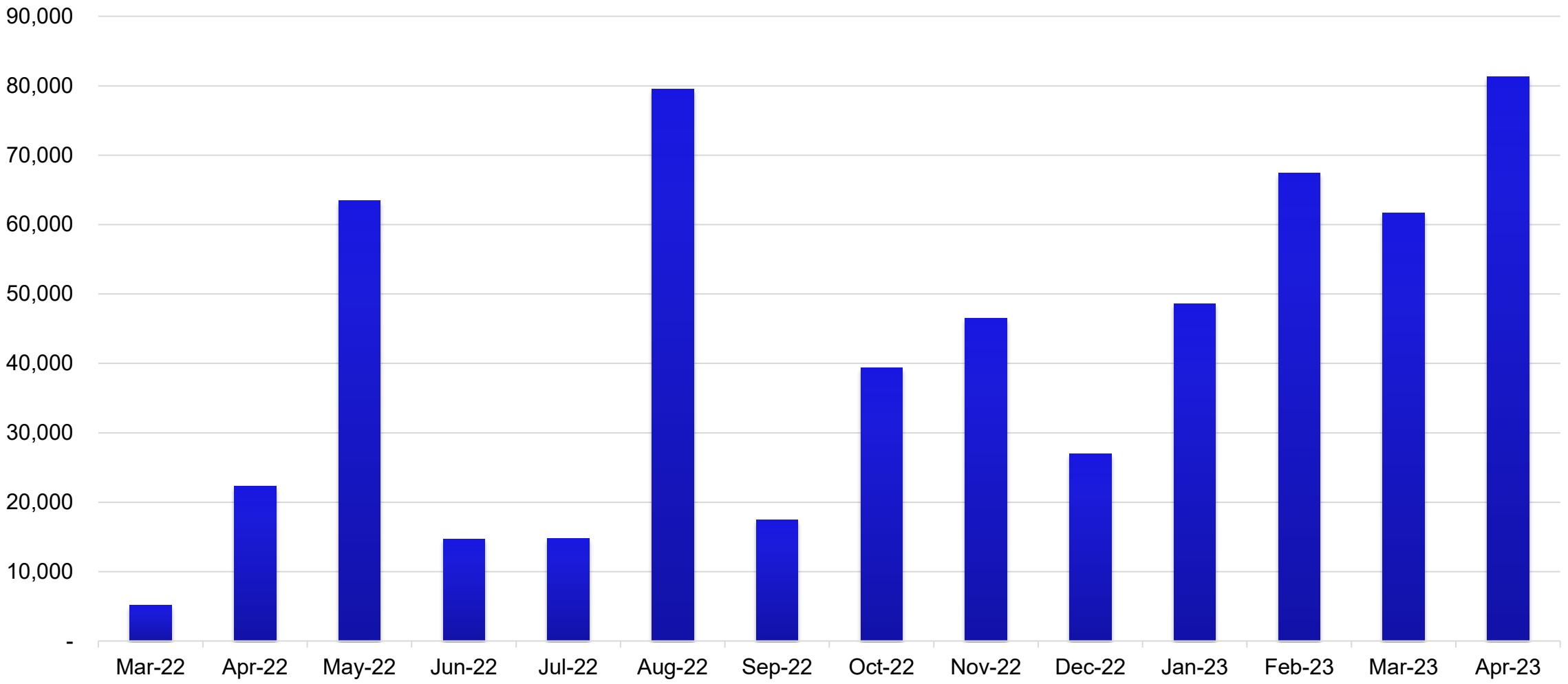
Monthly Bot Transactions



Monthly Automation Hours



Monthly Manhour Savings



Engineering Thoughts

- **Solid progress across the portfolio…and our improvement tempo needs to speed up**
- **Few complaints about the delivery of functionality and our devsecops tooling is starting to expose increasing security vulnerabilities**
  - **Growing technical debt backlog: security and cloud optimization**
  - **Priority tradeoffs: functionality vs security vs other technical debt**
- **VALUE hinges on team's effective use of AUTOMATION**
- **"All the tools, techniques and technology in the world are nothing without the head, heart and hands to use them wisely, kindly, and mindfully." - Rasheed Ogunlaru, business coach at British Library's Business and IP Centre**

BES partners must know how to use the tools of our trade

What We're Doing

TOPIC	COMMENTS
Agile	BAT Services in place and welcomed. Teams are actively using Jira and Confluence
DevSecOps	MDaaS – SDLC moderated with SD Elements, using programs earn a cATO DSO Pipeline – self-service SDLC, programs continue existing ATO workload
Code Quality	SonarQube w SonarLint – open-source code quality tool CAST – leading COTS-based code quality tool, with function point counting
Software Bill of Materials (SBOM)	Dependency Track – open-source SBOM analysis tool EagleEye – SettleTop Additional Vendor Looks – Lineaje and Dark Sky
Automation	Testing – Open Text ALM, LoadRunner, Unified Functional Test, Selenium, JMeter Provisioning -- Terraform Configuration Management - Ansible
Observability & Monitoring	BESPIN mPulse
Security	Vulnerability Scanning - Checkmarx, Fortify Pen Testing – Burp Suite, Kali Linux

Tools available to all BES teams – Industry Partners needed to fully leverage this investment!

Cloud One Development

- ***Enables application proofs-of-concept, development, integration, and test activities in a GovCloud environment in order to meet your development and sustainment needs***
  - Cloud Boundary Protected infrastructure secured by FIPS-compliant F5 VPN and provisioned with C1-like guardrails
  - Cloud Space Broker option available for unfettered access
  - Complete Management and External Access (incumbent on operator)
  - Service Now – greater transparency, tracking and help
- ***Brokered Space - Mission System Owner Managed***
  - This environment is procured through the Cloud One contract but is fully managed by MSO (Mission System Owner) and/or contract vendor
  - May be an option in cases where mission systems are capable of fully controlling a cloud environment or those that may want a sandbox outside the Cloud One security boundary
  - **Responsibilities:**
    - MSO/Contractor is responsible for operation and maintenance of the environment
    - Cloud One is responsible for procurement and billing
    - Incident response must be negotiated between gov't and MSO/contractor

Cloud One Development

- ***Cloud One Development - Boundary Protected***
  - This environment is for an MSO wanting to develop and work within the Cloud One guardrails
  - Cloud One would procure and provide an initial standup of the environment, stamping it out to look like Cloud One but w/o the operational restrictions in place and more conducive for system development
  - **Responsibilities:**
    - MSO/Contractor is responsible for operation and maintenance of the resources within their environment
    - Cloud One is responsible for procurement, setup/configuration and billing of MSO account and maintenance of the Cloud One boundary security
- ***Support Models***
  - Basic Support – Centrally Funded – No Cost To You
  - Optional Enhanced Support - Per Labor Hour

DSO Tools

- Jenkins
- Gitlab (via BESPIN MDAAS)

CI/CD Engine

- BitBucket
- AWS Code Commit
- MS ADO
- Other...

Source Control

- Maven
- Ant
- Gradle
- .Net
- Other...

Automated Build

- *Support CycloneDX*
- *Dependency Track*
- *Eagle Eye Focused*
- *Checkmarx (OSA)*
- *Dependency Check (Jenkins Plugin)*

Supply Chain Security Tools

- JFrog Artifactory

Artifact Repo

- JUnit
- JMeter
- Selenium
- Microfocus ALM/UFT

Automated Testing

- SonarQube/SonarLint
- CAST AIP (GB4)

Static Code Analysis - Quality

- Checkmarx (SAST) – GBZ - Owned

Static Code Analysis – Security

Securing the supply chain begins with an SBOM

- ***How are SBOMs beneficial?***
  - An up-to-date SBOM is critical for managing technical debt and keeping libraries updated, as it helps teams understand which libraries are related to which underlying dependencies
  - Help teams quickly identify compromised components in the event of a security incident, reducing the time needed to investigate and remediate the security issue
  - Identifies the application version of third-party software and expose what dependencies is being added to the technical debt

Eagle Eye

- ***Growing SBOM generation and analysis capabilities***
  - Supports CycloneDx generation now
  - Evaluating more SBOM analysis tools that will enable EE customers to access deeper analysis capabilities
    - Trivy – is a comprehensive and versatile single binary security scanner that scans local and remote container images, supports multiple container engines
    - Gripe – an is a comprehensive and versatile single binary security scanner that scans local and remote container images, supports multiple container engines
    - Syft – an Anchore open source CLI tool and library for generating a Software Bill of Materials from container images and filesystems
    - Bomber – scans closed source SBOMs that are provided when you receive them from vendors

BES CYBERSECURITY

MR. WILLIAM KRAMER
CHIEF, CYBER SECURITY SERVICES

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BLUF

SUMMARY

- Deliver enterprise-wide cybersecurity shared services to Capability Delivery Teams (CDTs)
- Strive to automate BES Cybersecurity – increase speed of delivery and reduce documentation
- **Customers:** BES CDTs; Nine Authorization Officials

OPERATE

- Identifies security vulnerabilities during development/testing – vulnerabilities can be resolved and mitigated prior to deployment
- Provides analysis, solutions, training, and consulting to CDTs on how to use security tools
- Delivers independent testing of applications using static source code analysis, dynamic scanning, open-source analysis, vulnerability scanner, and penetration testing tools

INTEGRATE

- Acquires, allocates, and manages 125+ civil service and A&AS contractor ISSM/ISSO personnel supporting 150 BES systems
- Evaluates, documents, and tests Risk Management Framework (RMF) and Cybersecurity Framework (CSF) controls to attain and sustain an Authority to Operate for nine Authorization Officials (AOs)
- Security Control Assessor (SCA) for Logistics, Civil Engineering, and Financial Management Enterprise Systems IAW AFI 17-101

INNOVATE

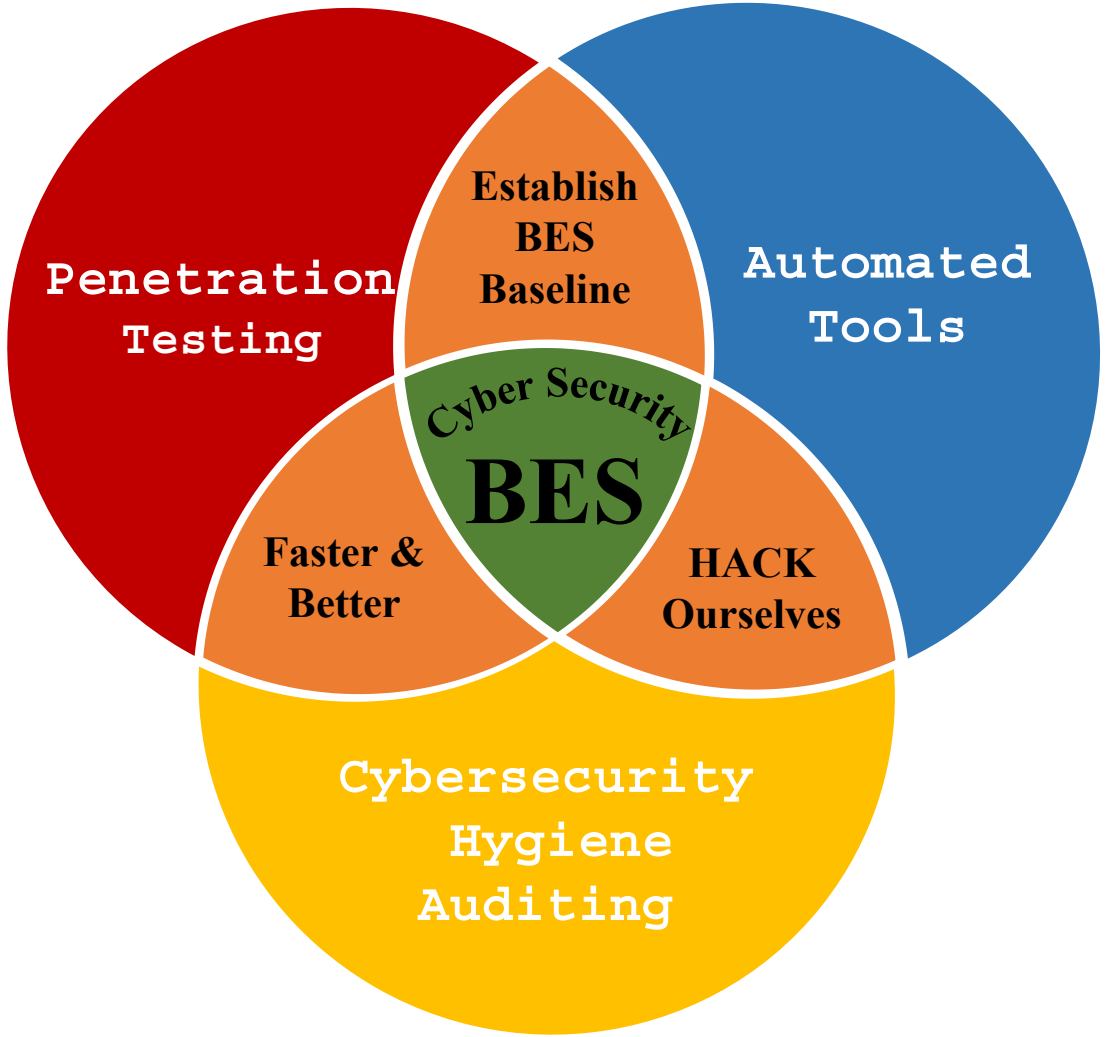
- Provides scanning, penetration testing, and security test tools to be used throughout the software development lifecycle
- Fosters consolidated cybersecurity support to BES portfolios through centralized management of ISSM/ISSO resources
- Performs CSF audits, determines BES cybersecurity hygiene, and security posture for CDTs

Operate, Integrate, Innovate

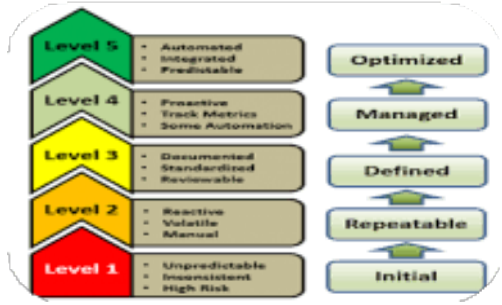
Vision

RMF

CSF

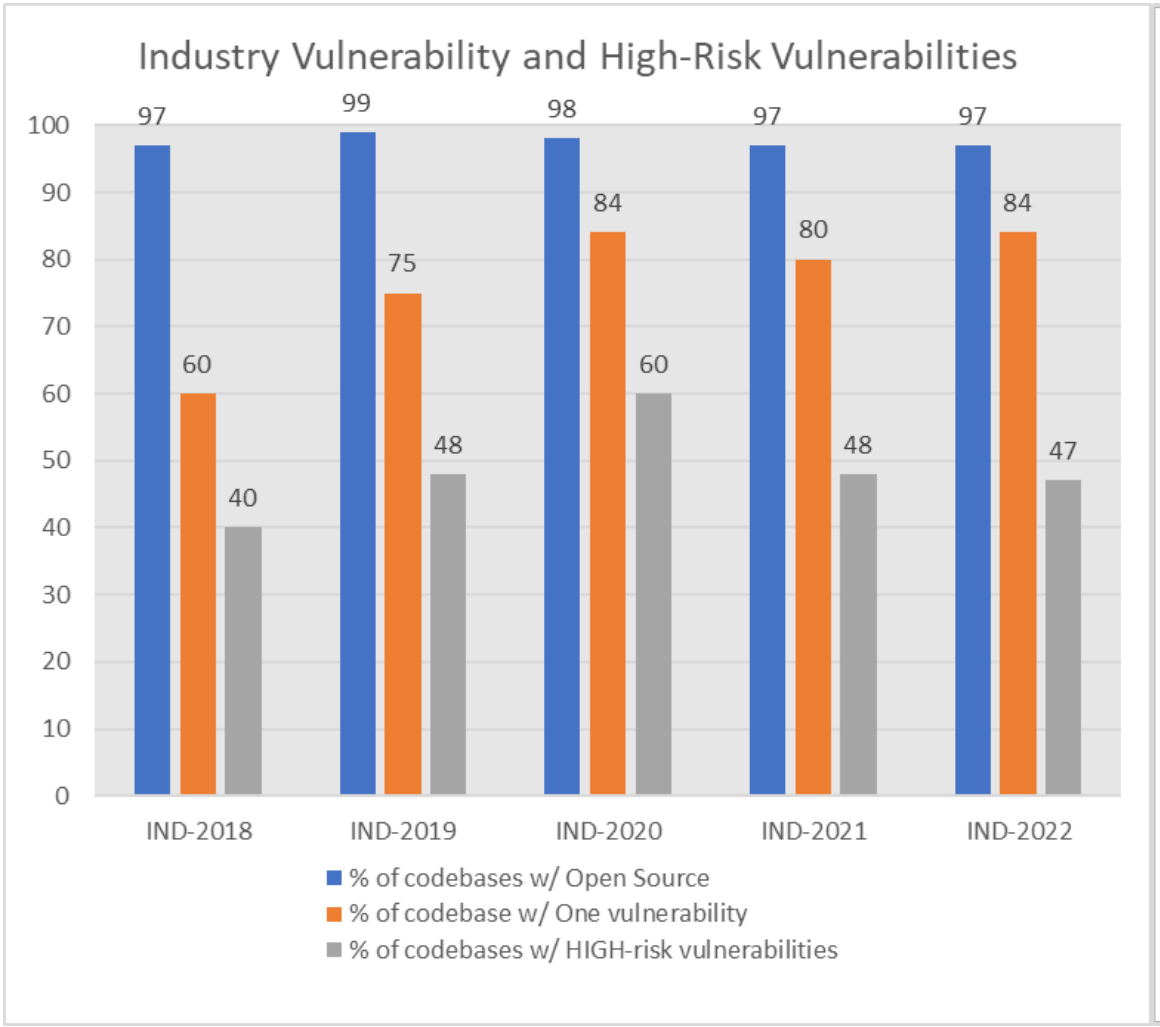


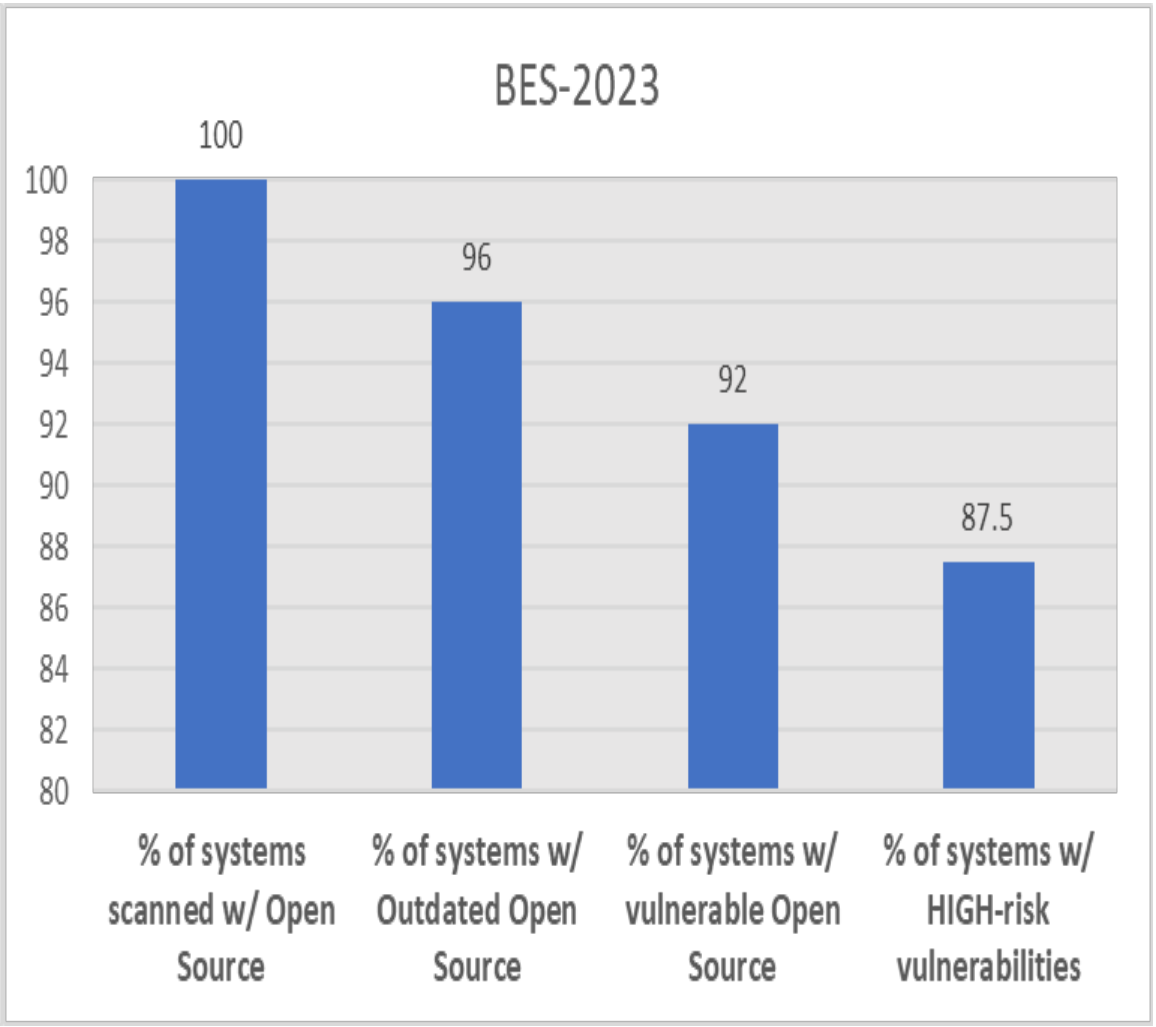
Checkmarx
AppScan
BurpSuite Pro
OWASP ZAP
AppDective Pro
NIKTO



CMMC

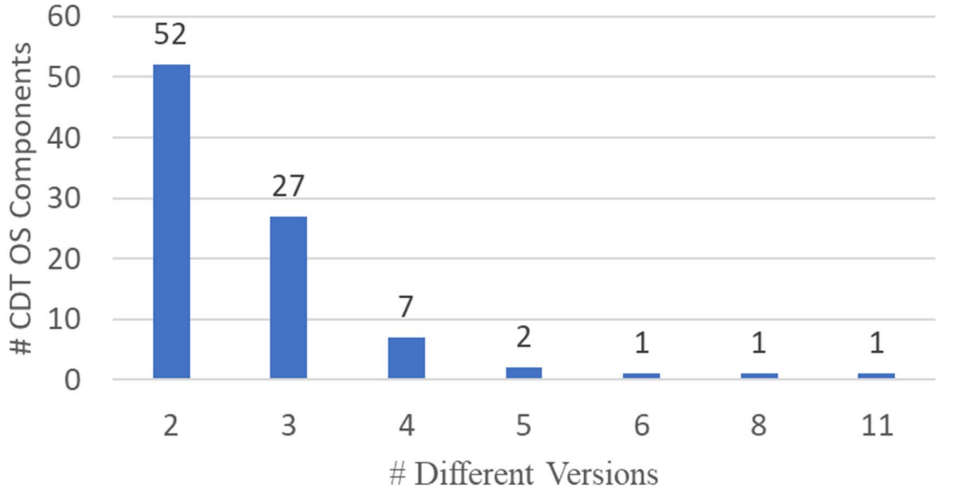
Automated Tools





Open Source Is Everywhere

Open source continues to prove its staying power, serving as the foundation for the vast majority of commercial codebases. In fact, it's so intertwined in modern development that code owners often don't know the open source components in their own software.



Organizations aren't fixing high-risk vulnerabilities

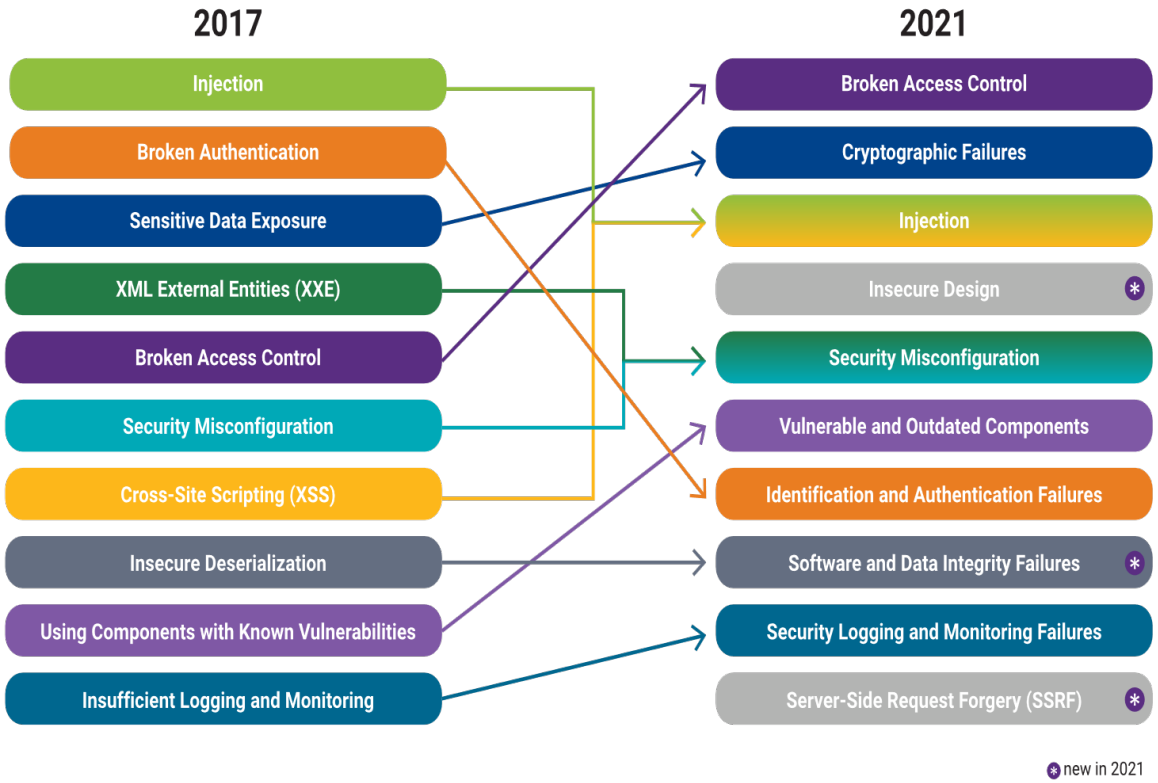
- Malicious open-source software packages
- Failure to update or refactor old packages
- Failure to patch
- Open-source license conflicts

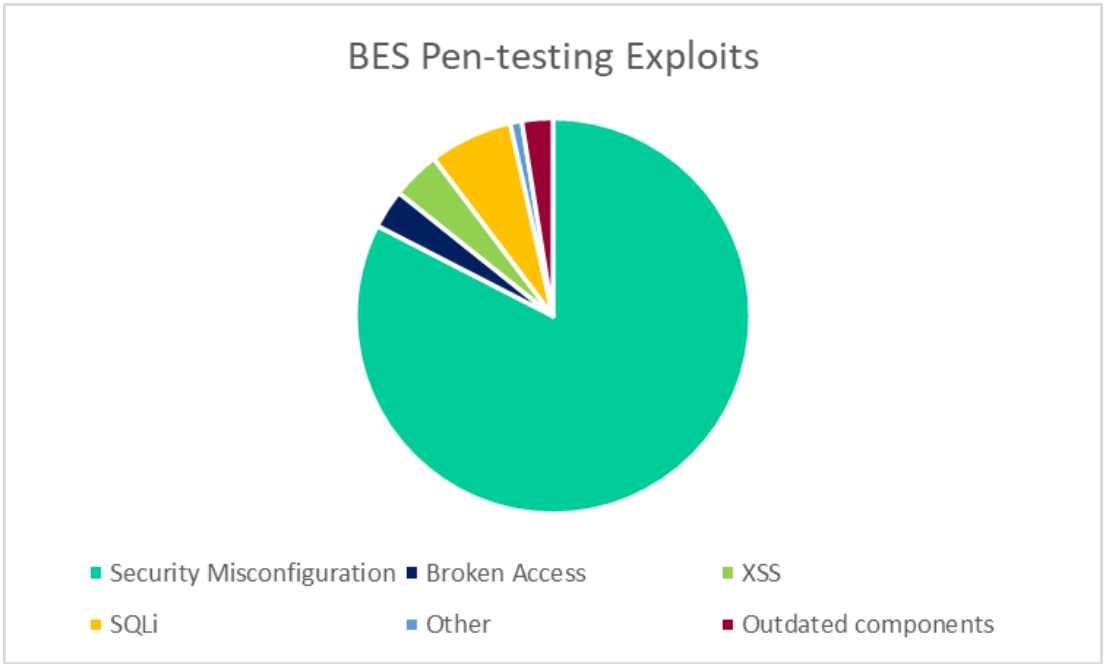
Open-source software risk and supply chain security are inevitably linked.

The first step in securing the software supply chain is managing the open source and third-party code in your applications.

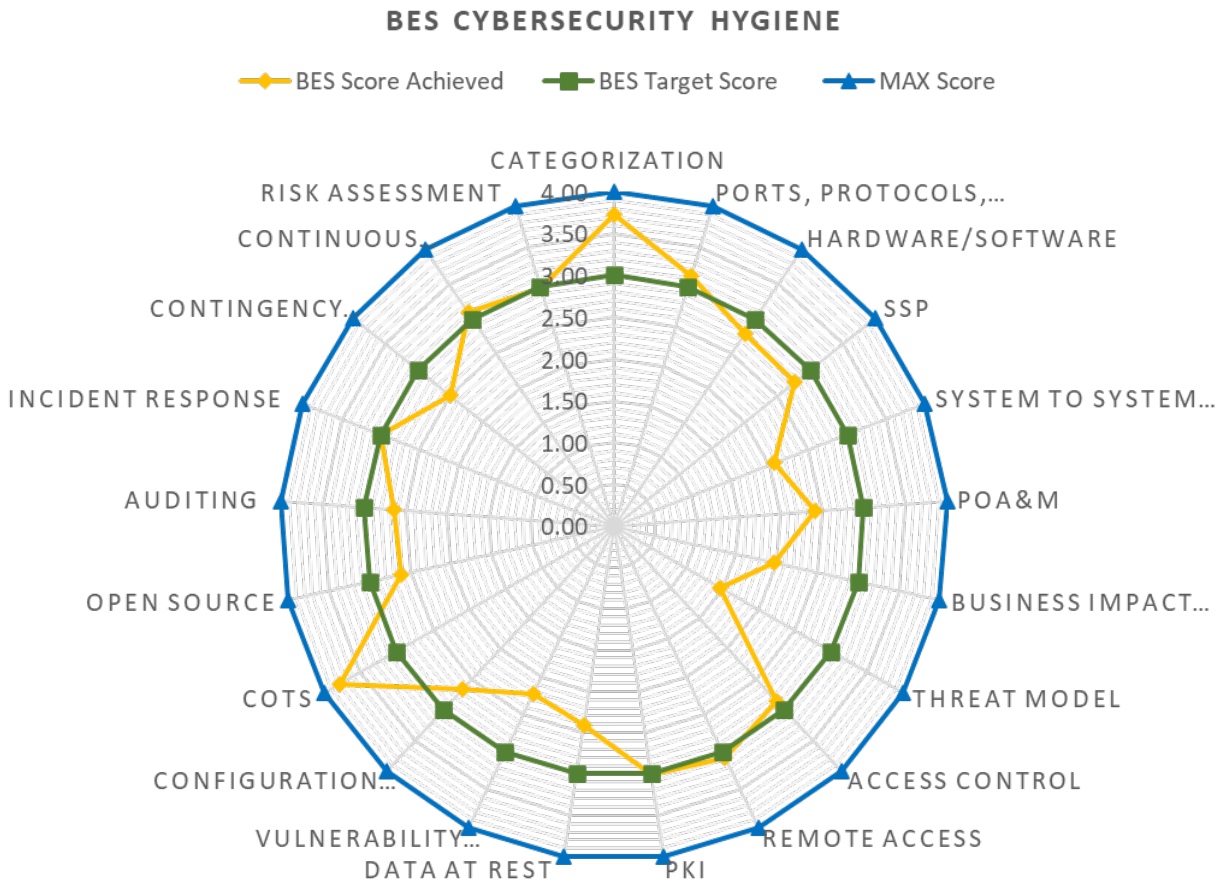
(Synopsis: Open-Source Security and Risk Analysis Report [2023])

Pen-Testing


2017
Injection
Broken Authentication
Sensitive Data Exposure
XML External Entities (XXE)
Broken Access Control
Security Misconfiguration
Cross-Site Scripting (XSS)
Insecure Deserialization
Using Components with Known Vulnerabilities
Insufficient Logging and Monitoring
2021
Broken Access Control
Cryptographic Failures
Injection
Insecure Design *
Security Misconfiguration
Vulnerable and Outdated Components
Identification and Authentication Failures
Software and Data Integrity Failures *
Security Logging and Monitoring Failures
Server-Side Request Forgery (SSRF) *
* new in 2021


BES Pen-testing Exploits
Security Misconfiguration
Broken Access
XSS
SQLi
Other
Outdated components

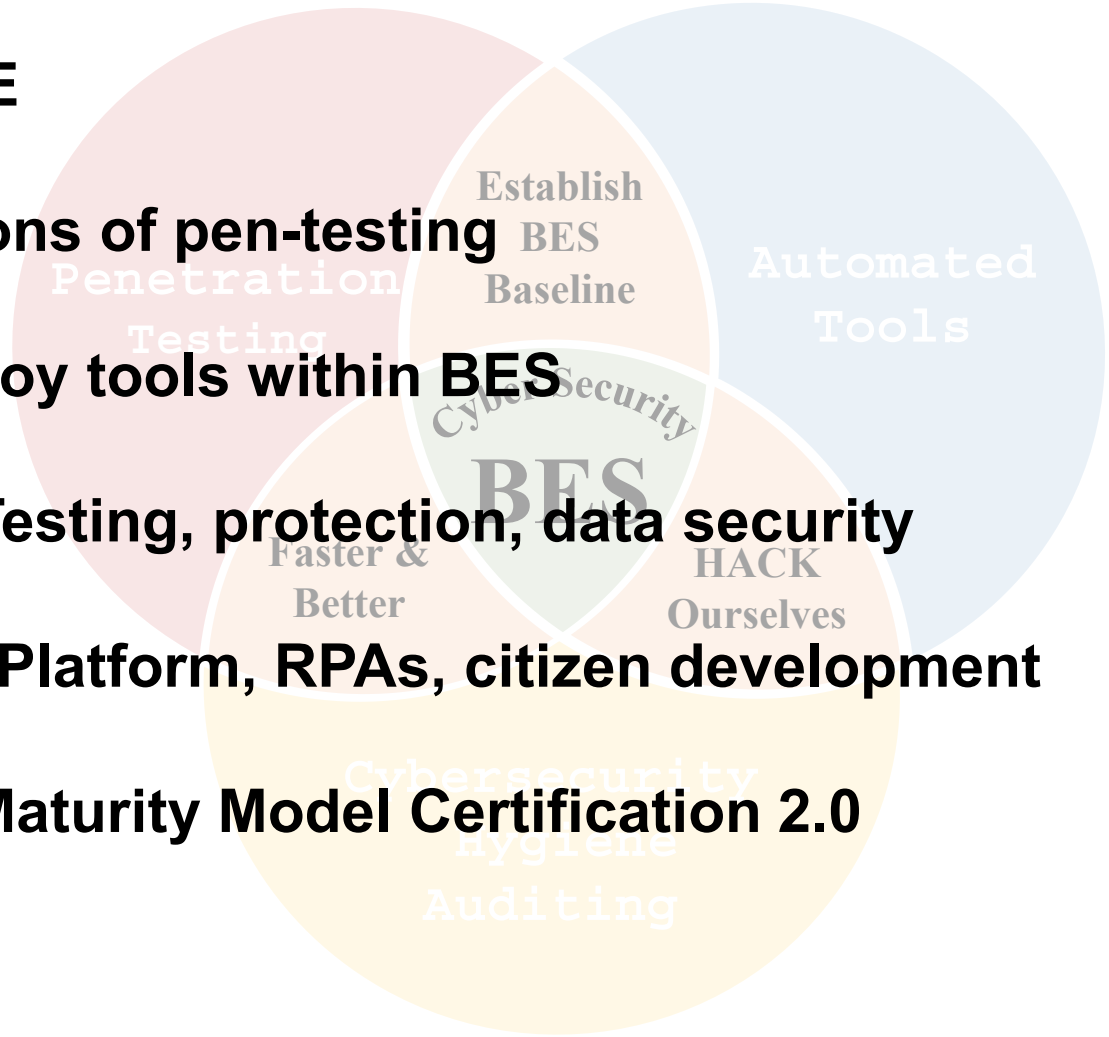
Cyber Hygiene Audits



	Identify	Protect	Detect Respond Recover	Overall Audit Score
PGM-1	2.1	2.6	3.1	2.6
PGM-2	3.8	3.9	4	3.9
PGM-3	2.3	2.2	2.3	2.3
PGM-4	2.7	2.1	3	2.6
PGM-5	2.3	3	2.6	2.7
PGM-6	2.6	2.1	2.7	2.5
PGM-7	3.2	3	2.4	2.8
PGM-8	2.7	2.7	2.4	2.6
PGM-9	2.5	2.9	3.2	2.9
PGM-10	3	3.1	2.8	3.0
PGM-11	2.7	2.4	3.1	2.8
PGM-12	2.7	3.1	2.7	2.8
PGM-13	2.7	2.0	1.8	2.0
PGM-14	2.2	2.7	2.5	2.5
PGM-15	3.4	3.1	3.2	3.3

On The Horizon

- Checkmarx ONE
- Automate portions of pen-testing
- Phishing – Deploy tools within BES
- API Security – Testing, protection, data security
- BOT Security – Platform, RPAs, citizen development
- Cybersecurity Maturity Model Certification 2.0
- DoDM 8140.03



BAT AND AGILE SERVICES/MACH 5

MR. DAVID SAMPSON
CHIEF, SERVICES MANAGEMENT

BAT Program Description

- **Low-cost collaborative toolset administered by BES for BES teams**
  - Tools include Jira, Confluence, Bitbucket, Jira Service Management, and 27 plug-ins that extend capabilities
  - $3.5M annual budget; licensing, ops and support, and coaching services
  - 380+ project spaces; 5,600+ licensed users across all products; growing daily
  - Fully integrated service desk to support customers
- **Accredited, containerized, and serverless deployment on Cloud One**
  - IL-2 (Dev), IL-4 (Test), and IL5 (Prod) environments
  - Integrated with BES' DevSecOps Pipeline; Bitbucket accessible via Jenkins for Continuous Integration/Continuous Delivery (CI/CD) automation (code scanning, automated builds, etc.)
  - Aggressive cybersecurity monitoring and vulnerability mediation
- **High-performing Governance Board with mature change control and integration processes**

Agile Services Offerings

- **Knowledge Management**
  - 500+ agile-related knowledge articles published on public Confluence page
  - Includes policy/guidance, measures/metrics, how-to guides, and agile acquisition best practices
- **Workforce Development**
  - Formal classroom events, web-based and video training links, and workshops offered
- **Coaching**
  - Formal and informal engagements; offers deeper levels of support for teams struggling with agile practices/techniques

MACH 5 – BES' LOW CODE APPLICATION PLATFORM (LCAP)

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Call To Action…

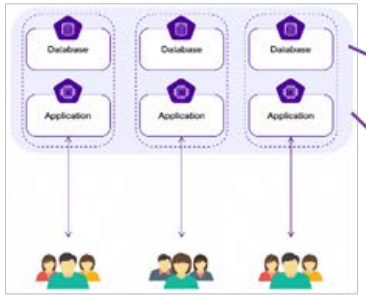
- **Strategic Planning Assumptions (Gartner®) – Industry Trends**
  - By 2025, 70% of new applications developed by enterprises will use low-code or no-code technologies, up from less than 25% in 2020.
  - By 2025, at least 25% of low-code application platforms procured outside of formal buying journeys will need to be augmented with additional platforms that better fit customer requirements
- **SAF/MG has already identified 14 Case Management Systems (CMS) that track, monitor, and report investigations/claims**
  - Recommendation: Consolidate CMS on standard platforms
  - Many CMS already using Appian; A1 targeting Salesforce
- **<u>MACH 5 poised to support at least seven CMS to meet SAF/MG's recommendation</u>**

MACH 5 Program Description

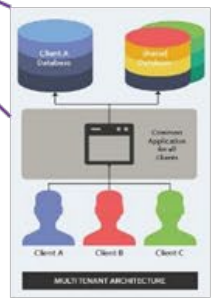
- **Appian-Based Low-Code Application Platform (LCAP) deployed on Cloud One**
  - Centrally managed PaaS offering
  - IL-2 (Dev), IL-4 (Test), IL-5 (Prod); IL-6 (SIPRNet) under development
  - Containerized deployment; integrated with BES' DevSecOps pipeline
  - Single platform, multi-tenant deployment with mission application containers and data segregation
- **ATO in work; provides inheritable platform-level controls; reduces time to accredit customer applications/capabilities**
- **Seeking to become the LCAP platform of choice under the VCSAF's Project Holodeck initiative to enable citizen development**

More Than Just a Platform

Multi-Platform, Multi-Tenant Environments w/Integrated Services



- Multiple Vendors



- Managed Platforms in CloudOne

Enterprise Governance

- Strategic Alignment
- Risk Management

- Resource Management
- Performance Management
- BCAC Optimization

Rapid Acquisition Pathways

- Development
- Cloud Support
- Licensing

- Multi-Award IDIQs
- A&AS Resources

Centralized Support Services

- Capability Analysis
- Onboarding
- Cybersecurity

- Engineering
- Program Management

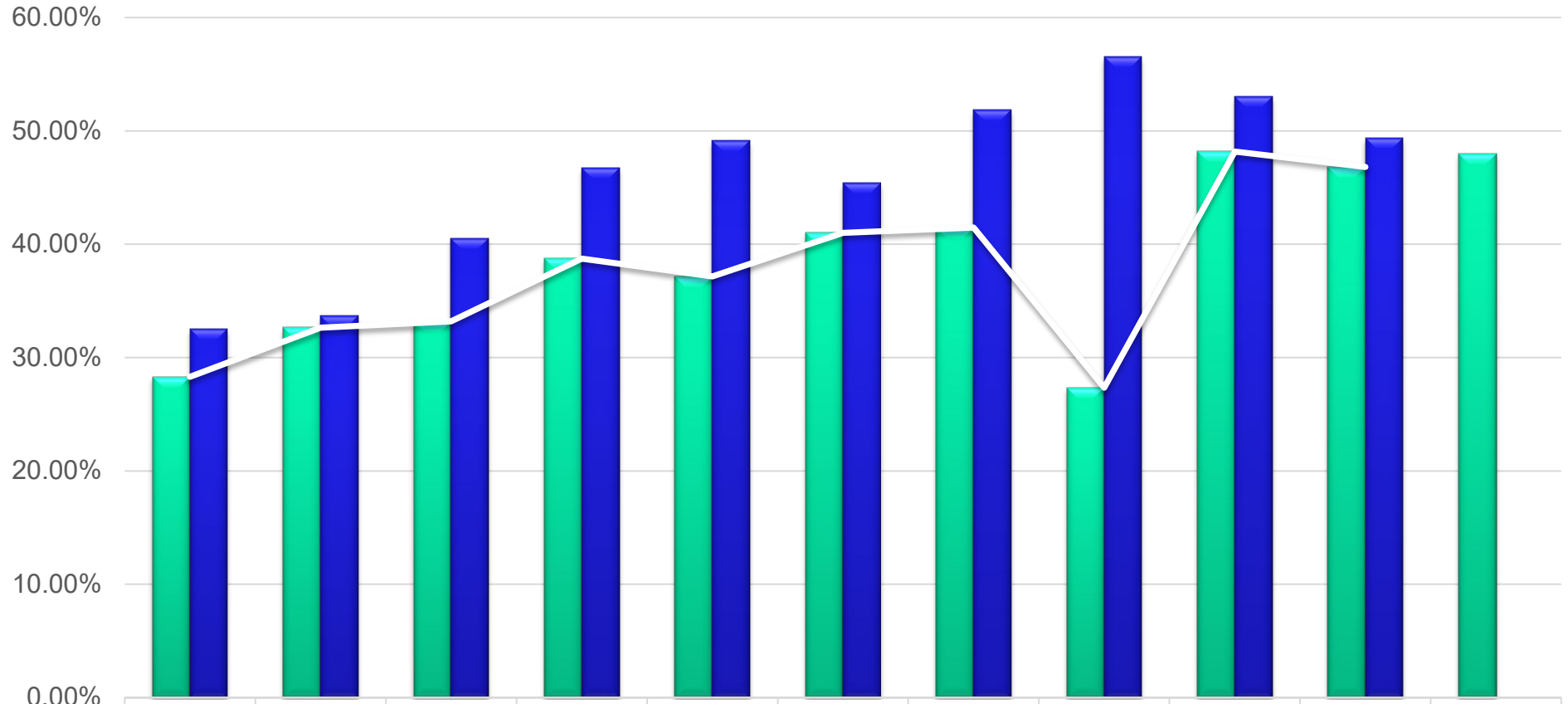
Ready for potential citizen development and/or enterprise customers in FY23/QTR4

Operate, Integrate, Innovate

SMALL BUSINESS

MS. YOLANDA MCCAIN
DIRECTOR SMALL BUSINESS PROGRAMS

BES Small Business Impact



	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
B&ES SB Goal (%)	28.30%	32.63%	33.20%	38.73%	37.17%	41%	41.47%	27.34%	48.17%	46.81%	48.00%
B&ES SB Actual (%)	32.52%	33.67%	40.54%	46.74%	49%	45%	51.83%	56.51%	53.02%	49.36%	
Trend Line	28.30%	32.63%	33.20%	38.73%	37.17%	41%	41.47%	27.34%	48.17%	46.81%	

BES Small Business

Small Business Category	FY22 SB Goal	FY22 SB Actual	FY23 SB Goal
Small Business	46.81%	49.81%	**48.00%**
Small Disadvantaged Small Business 8(a)	22.51%	28.41%	**24.00%**
Service-Disabled Veteran Owned	11.28%	12.85%	**11.5%**
Woman Owned	5.12%	5.87%	**5.12%**
HubZone	2.22%	1.62%	**1.45%**

BES Small Business Year in Review

- **Exceeded Overall FY22 Small Business Goals**
  - Exceeded Goals in 3 of 4 socio-economic categories
- **~$355M SB Obligations**
- **Updated BES Small Business Website**
  - “Small News”
  - Happening Around SB in 90 days
- **Increased BES Small Business Engagement**
  - Vendor Exchange Forum

BES Semi-Annual Vendor Exchange Forum

- **Purpose**
  - Introduce BES Leadership, Portfolios, and Mission to Industry Partners
  - Highlight Doing Business with BES
  - Inform Government Market Research - Vendor Sources and Capabilities
- **Format**
  - Semi-annual Event (February and October)
  - Government Portfolio Briefings
  - Vendor Capability “Pitch” Opportunities
  - 1st Vendor Exchange Forum – 25 May 2023

Save the Dates - BES Small Business Events

- **1st BES 2023 Vendor Exchange Forum – 25 May 2023**
  - Maxwell AFB-Gunter Annex, AL
  - 0800 - 1130
- **Department of Air Force Information Technology and Cyberpower (DAFITC) 2023**
  - 28 – 30 August 2023
- **Annual BES Small Business Workshops and Matchmaker Event**
  - 28 – 30 August 2023 (during DAFITC 2023)
  - Renaissance Montgomery Hotel and Conference Center
- **2nd BES Vendor Exchange Forum – October 2023 (tentative)**

Stay Connected

BES Social Media

Small Business Website: www.airforcebes.af.mil/Units/Small-Business-Office/
BES Website: www.airforcebes.af.mil
Email: besstratcomm@us.af.mil

Twitter.com/AirforceBES

facebook.com/AirForceBES

Instagram.com/AirForceBES

SAF/SB Social Media

Website: www.airforcesmallbiz.org
Email: answerdesk@airforcesmallbiz.org (Customer Service)

Twitter.com/AFSmallBiz

facebook.com/airforcesmallbiz

linkedIn.com/company/airforcesmallbiz

SMALL BUSINESS ENTERPRISE APPLICATION SOLUTIONS (SBEAS) UPDATE

MS. NICOLE LOONEY
SBEAS PROGRAM MANAGER

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Small Business Enterprise Application Solutions

Program Manager:
Ms. Nicole Looney: (334) 416-4269

Contracting Officer:
Mr. Timothy Dowling: (334) 416-4019

Program Description: SBEAS provides access to a wide range of IT services and solutions that support the IT lifecycle. It is available for use by Business Systems Enterprise (BES), AF MAJCOMs and other agencies that support an Air Force requirement. SBEAS is the BES mandated source for obtaining IT Services and Solutions within its scope and the preferred source for all other MAJCOMs and DoD Agencies that support an Air Force requirement.

Objective: Provide the USAF, MAJCOMs and other DoD Agencies with a wide range of IT services and solutions that support the IT lifecycle.

Scope: The comprehensive suite of IT services and IT solutions to support IT systems and software development in a variety of environments and infrastructures. Additional IT services include, but are not limited to documentation, operations, deployment, cybersecurity, configuration management, training, commercial off-the-shelf (COTS) product management and utilization, technology refresh, data and information services, information display services and business analysis for IT programs.

Acquisition Approach:

Multiple Award Indefinite Delivery/Indefinite Quantity (IDIQ) Contract

CLIN Types:

Supports all fixed type, all cost reimbursable, and time and material/labor hour CLINS

Ordering Period:

December 2019 – December 2029 (One 5-year Base Period + One 5-year Option Period)

End of Performance:

December 2024

Estimated Dollar Value:

$13.4B

NAICS Code:

541511 – Custom Computer Programming Services

Small Business Set Aside:

Yes

SBEAS Awardees

Contract Number	Offeror Name	Cage Code	Joint Venture Partners
FA8771-20-D-0001	**1CyberForce, LLC/ EDWOSB**	7VSJ2	Yakshna Solutions, Inc.; IndraSoft, Inc.
FA8771-20-D-0002	**American Tech Solutions, LLC/SDVOSB**	8UVR9	American Operations Corporation (AOC); Bluewater Federal Solution, LLC
FA8771-20-D-0003	**Citizant, Inc./ WOSB**	1LZZ1	N/A
FA8771-20-D-0004	**Concept Plus, LLC/ 8a SDB**	5AF73	N/A
FA8771-20-D-0005	**Absolute Strategic Technologies, LLC (formerly Definitive Logic)/ 8a DBE, SDVOSB, WOSB**	96R66	Definitive Logic Corp.; Joint Strategic Technologies
FA8771-20-D-0020	**Eminent JV, LLC/ 8a VOSB**	7PQ98	Eminent IT, LLC; InfoReliance, LLC
FA8771-20-D-0006	**Inserso Corporation/ MOSB**	3BWJ9	N/A
FA8771-20-D-0007	**Invictus JV, LLC/ SDVOSB**	7WFF7	C2 Solutions Group, Inc.; Knight Point Systems, LLC
FA8771-20-D-0008	**IPT-Exeter, LLC/ SDVOSB**	7VPQ0	Interactive Process Technology, LLC; Exeter Government Services, LLC
FA8771-20-D-0009	**LifeCycle Solutions JV, LLC/ SB**	7X0Q8	Illumination Works, LLC DSD Laboratories, Inc.
FA8771-20-D-0011	**Mission Assured Solutions, LLC/ SDB**	7W7L3	Karthik Consulting, LLC Versa Integrated Solution, Inc.; Enterprise Since and Computing, Inc.
FA8771-20-D-0012	**Obsidian Global, LLC/ SB**	6ZZA4	N/A
FA8771-20-D-0013	**OM Partners, LLC/ 8a WOSB**	7KQM0	Om Group, Inc. iLink Systems, Inc.; Plateau Software, Inc.
FA8771-20-D-0014	**Red Cedar Harmonia, LLC/ WOSB SDB (RCH)**	7WLL7	Red Cedar Consultancy, LLC; Harmonia Holdings Group, LLC
FA8771-20-D-0015	**Riverside Engineering, LLC/ EDWOSB 8a**	7NGY9	Soliel, LLC; Booz Allen Hamilton Inc.
FA8771-20-D-0016	**Salience Technologies, LLC/ SDB WOSB 8a**	7WL50	Freealliace.com, LLC; 22nd Century Technologies, Inc.
FA8771-20-D-0017	**Shearwater Mission Support, LLC/ SDB ANC 8a**	7LGR6	Shearwater Systems, LLC; TechFlow, Inc.
FA8771-20-D-0018	**Tri-ESA, LLC/ VOSB SDV 8a**	7WAV5	Esolution Architects, Inc.; TRI-COR Industries, Inc.
FA8771-20-D-0019	**Zigabyte Corporation/ VOSB SDVOB**	7JM93	N/A

SBEAS Benefits

- Preferred use of SBEAS as described in BES SBEAS Contract Directive, 20 October 2020
- Majority of the mandatory acquisition and contractual mandated requirements are already vetted
- Provides a wide range of contract types, i.e., fixed price, cost, time and material, and labor hour
- One 5 Year Base – One 5 Year Option Period – 5 Year Performance Period
- Ability to buy best-value services and solutions that deliver mission critical results faster
- Access to Technically Capable Small Business vendors with relevant past performance
- Streamlined ordering process under FAR 16.505 - Contractors are deemed fully qualified
- Access to vendor capabilities to assist with performing market research
- Flexible Evaluation Strategies
- No contract access fee

See https://www.netcents.af.mil/contracts/sbeas for templates, guidance, information & references.

Task Order Examples

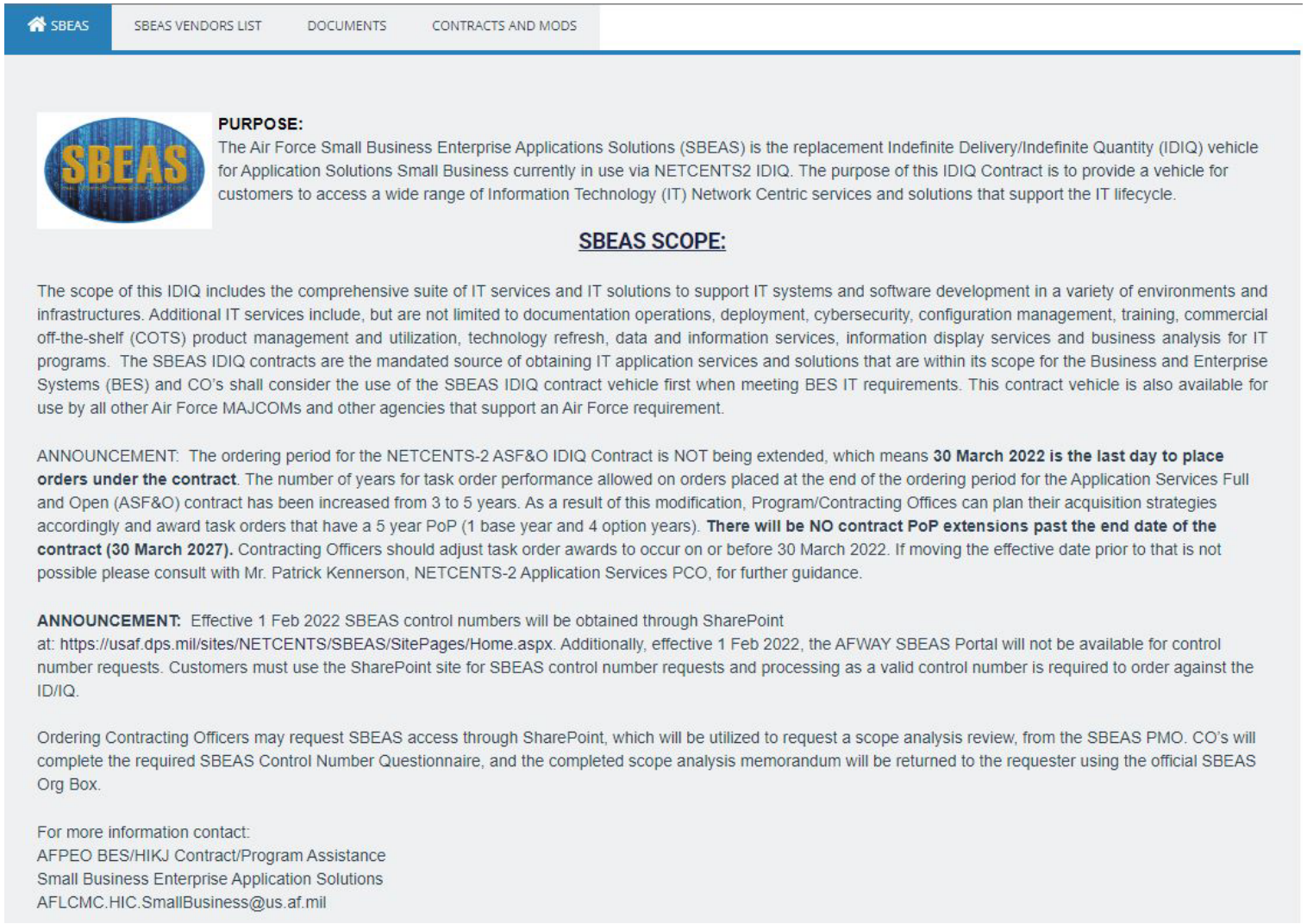
Base	Amount	Project Name	Technical Areas
Hanscom AFB	$72.3M	Discovery Data Platform and Application Development, Refactor, and Sustainment	• DevSecOps • Agile • Cybersecurity (RMF) • Commercial Cloud and Hybrid-Cloud based environments and infrastructures
Gunter AFB	$20.3M	Field Assistance Services (FAS) Support (365/24/7 Help Desk Services)	• Life-Cycle Software Services • COTS/GOTS/FOSS Software • Help Desk Support
Peterson AFB (USSF)	$12.8M	USSF Enterprise Information Services Operations and Maintenance and support	• Life-Cycle Software Services • Cybersecurity • Platforms / Environments
JBSA Randolph, TX	$11.4M	Air Force Recruiting Information Support System - Total Force II (AFRISS-TF II)	• Life-Cycle Software Services • Database Components • Help Desk Support
JBSA Randolph, TX	$170.98M	Human Resources System Technical Support (HRSTS III)	• Agile/DevSecOps • Cybersecurity • Configuration Management • Cloud migration

Task Order Information

FY	Number of Task Orders Awarded	Ceiling Amount
2020	11	$102,282,587.09
2021	15	$116,479,936.73
2022	11	$129,770,304.47
2023	7	$295,451,374.86
Grand Total	**44**	**$643,984,203.16**

SBEAS Website

www.netcents.af.mil/Contracts/SBEAS/



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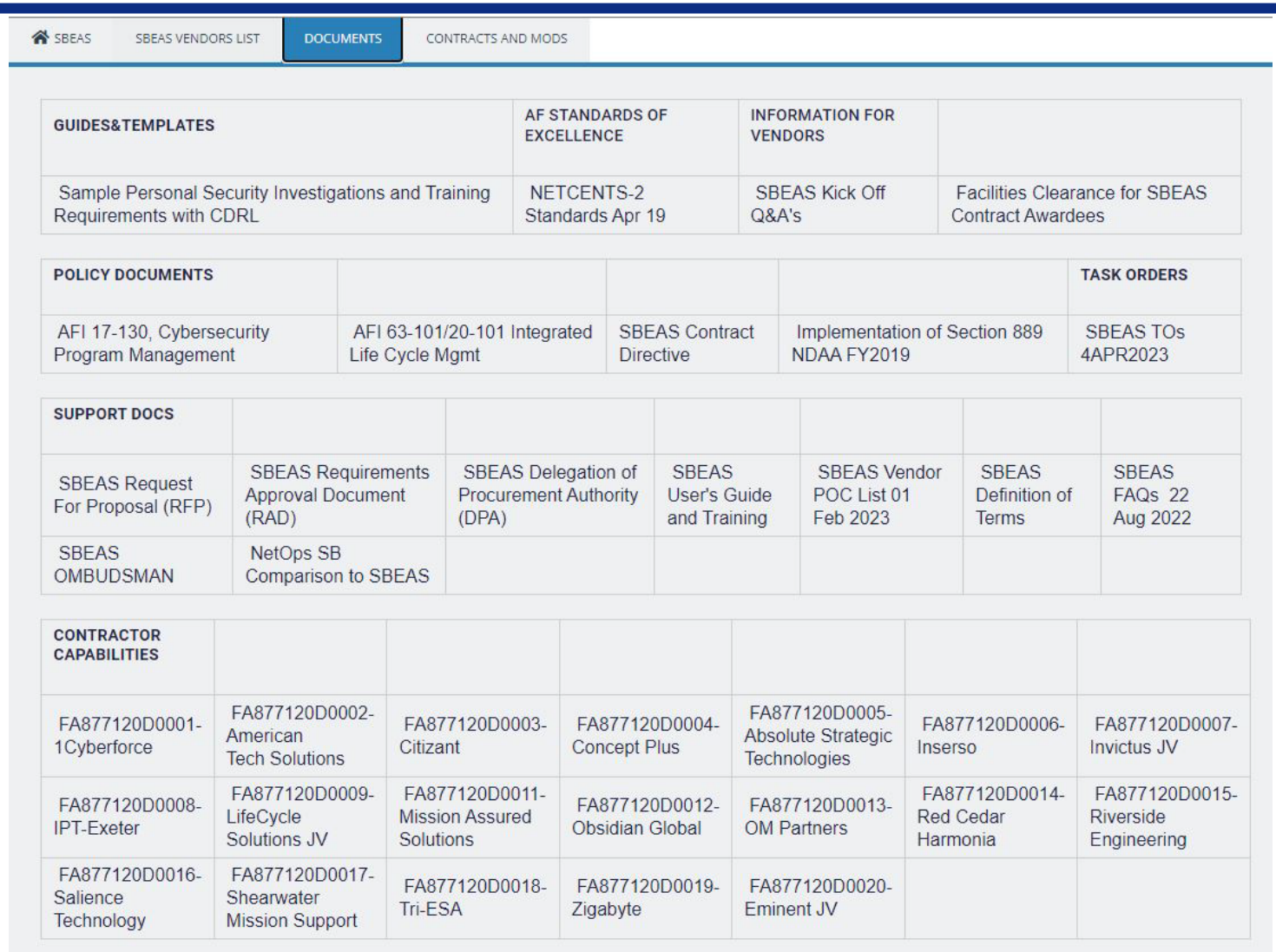

SBEAS | SBEAS VENDORS LIST | DOCUMENTS | CONTRACTS AND MODS

GUIDES&TEMPLATES	AF STANDARDS OF EXCELLENCE	INFORMATION FOR VENDORS	
Sample Personal Security Investigations and Training Requirements with CDRL	NETCENTS-2 Standards Apr 19	SBEAS Kick Off Q&A's	Facilities Clearance for SBEAS Contract Awardees

POLICY DOCUMENTS				TASK ORDERS
AFI 17-130, Cybersecurity Program Management	AFI 63-101/20-101 Integrated Life Cycle Mgmt	SBEAS Contract Directive	Implementation of Section 889 NDAA FY2019	SBEAS TOs 4APR2023

SUPPORT DOCS						
SBEAS Request For Proposal (RFP)	SBEAS Requirements Approval Document (RAD)	SBEAS Delegation of Procurement Authority (DPA)	SBEAS User's Guide and Training	SBEAS Vendor POC List 01 Feb 2023	SBEAS Definition of Terms	SBEAS FAQs 22 Aug 2022
SBEAS OMBUDSMAN	NetOps SB Comparison to SBEAS					

CONTRACTOR CAPABILITIES						
FA877120D0001-1Cyberforce	FA877120D0002-American Tech Solutions	FA877120D0003-Citizant	FA877120D0004-Concept Plus	FA877120D0005-Absolute Strategic Technologies	FA877120D0006-Inserso	FA877120D0007-Invictus JV
FA877120D0008-IPT-Exeter	FA877120D0009-LifeCycle Solutions JV	FA877120D0011-Mission Assured Solutions	FA877120D0012-Obsidian Global	FA877120D0013-OM Partners	FA877120D0014-Red Cedar Harmonia	FA877120D0015-Riverside Engineering
FA877120D0016-Salience Technology	FA877120D0017-Shearwater Mission Support	FA877120D0018-Tri-ESA	FA877120D0019-Zigabyte	FA877120D0020-Eminent JV		

BREAK

5 MINUTES

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AIR FORCE GEOSPATIAL INFORMATION MANAGEMENT SYSTEM (AFGIMS)

2LT CALEB JACKSON
PROJECT MANAGER

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AFGIMS

- **Scope of Work:** Contractor shall support and maintain existing capabilities, development of new capabilities, operate Service Desk, sustain Cloud hosted development, testing, and production environments, provide support across all life cycle areas of system development and maintenance, serve as the lead for all agile process areas, and maintain a modernized, stable and secure environment with authority to operate (ATO).
- **Anticipated Dollar Value:** $20M – $25M
- **Acquisition Strategy:** Competitive, 8(a) STARS III
- **Contract Need Date:** 1 September 2024
- **Current State: (ex. Users supported; hosting environment; tools used)**
  - 21,000+ DAF users (~215TB of data)
  - 69 AFGIMS servers across application, database, and web tiers
    - Main servers hosted at Langley AFB and 39 other AF installations
    - Currently migrating to Cloud One AWS with goal of eliminating on premise servers

AFGIMS

- **Priorities/Challenges/Opportunities/Future Considerations:**
  - Migrate all AFGIMS installations and users from on-premise operations to Cloud One production environment NLT 31 August 2024
  - Eliminate the large on-premise server footprint
  - Modernize AFGIMS to enable Esri “out of the box” capabilities on par with commercial capabilities
  - Minimum Viable Product (MVP) – Secure, reliable, Cloud hosted version of AFGIMS that runs COTS Esri Enterprise version 11.1 with limited customization
- **Post MVP:**
  - Incorporate parallel MAJCOM systems & capabilities into AFGIMS (where possible)
  - Migrate legacy tools to ESRI Portal and Cloud Native services
  - Implement agile processes to modernize capabilities and optimize system performance, while also being capable of surging development capacity to meet emergent/dynamic needs

AUTOMATED CIVIL ENGINEERING SYSTEM FAMILY OF SYSTEMS (ACES FOS)

MS. TIFFANY FITZGERALD
CAPABILITY DELIVERY MANAGER

ACES FoS

- **Scope of Work:** ACES FoS is seeking support activities (help desk & operations), software activities, software development activities, tech refresh activities, continuous integration, and DevSecOps using Agile methodologies.
- **Anticipated Dollar Value**: $38M – $42M
- **Acquisition Strategy:** Small Business Enterprise Application Solutions (SBEAS)
- **Contract Need Date:** 1 July 2024
- **Current State:** 39,000 users/300 installations supported, hosted on Defense Information Systems Agency (DISA)
- **Priorities/Challenges/Opportunities:** Potential pilot programs, burning down POA&M debt
- **Future Considerations:** Cloud Migration

TRANS FAMILY OF SYSTEMS CARGO AND PERSONNEL MOVEMENT

MS. BRANDI GREEN
CAPABILITY DELIVERY MANAGER

TRANS FoS CPM

- **Scope of Work:** The contractor shall provide life cycle support that encompasses office support to include management functions, operations, security, test, integration, implementation, training, sustainment, and help desk support.
- **Anticipated Dollar Value:** $45M - $50M
- **Acquisition Strategy:** Small Business Enterprise Application Solutions (SBEAS)
- **Contract Need Date:** 29 May 2024
- **Current State: Customer:** AF (AFMC/A4N), Army, and USMC **Housing:** DISA (CMOS Prod), Cloud One Azure (MARKS), Cloud One AWS (CMOS & OLVIMS) **Tools:** TFS
- **Priorities/Challenges/Opportunities:** Supplemental senior level expertise to support individual systems
- **Future Considerations:** Automated Testing, CPMS Identified as potential target platforms for AF Strike Team 1 Consolidation

DELIBERATE AND CRISIS ACTION PLANNING AND EXECUTION SYSTEMS (DCAPES)

LT COL JASON BINDEWALD
CAPABILITY DELIVERY MANAGER

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SME Support

- **Scope of Work:** The PMO requires senior-level acquisition management and support services, including data collection, assessments, evaluations, development of recommendations, conducting reviews, studies, and analysis of acquisition, and programmatic documentation. Subject matter expertise is required for program management, functional and technical collaboration, engineering, logistics, and contracting. Additional support areas include user story collaboration, needs analysis, coordination of design, test execution, and division-level workflow management support.
- **Anticipated Dollar Value:** $4M
- **Acquisition Strategy:** SBA - 8(a) Direct
- **Contract Need Date:** 23 April 2024
- **Current State:** PMO Support; Atlassian Tools (Jira, Confluence, Help Desk)
- **Priorities/Challenges/Opportunities:** Software Pathway Acquisition Documentation; Complete Cloud Migration by 2025 (date subject to change)
- **Future Considerations:** Program transition to the Software Acquisition Pathway (FY25), Requirements process change to Capability Needs Statement (CNS)

Infrastructure & Integration

- **Scope of Work:** Cloud One (C1) and DISA are the Government-designated hosting locations for the DCAPES development, sustainment, integration, User First Look, and Help Desk environments, providing the requisite infrastructure and connectivity. The contractor is responsible for establishing and supporting Government environments and tools to develop, test, and deploy capabilities and coordination with C1 and DISA on capabilities management. DCAPES requires the contractor to assist developers in successful deployment of capabilities to approved environments. Contractor will ensure DCAPES compliance with security and interoperability requirements. (JOPES/JPES)
- **Anticipated Dollar Value:** $7.5M
- **Acquisition Strategy:** SBEAS - Competitive
- **Contract Need Date:** 20 February 2024
- **Current State:** Stakeholders - HAF/A3OD, ACC/A5C, etc.; Environments - Cloud One, DISA DECC SIPR Production; Tools - Atlassian Tool Suite - (Jira, Confluence, Help Desk)
- **Priorities/Challenges/Opportunities:** User Backlog; Complete Cloud Migration by 2025 (date subject to change)
- **Future Considerations:** Program transition to the Software Acquisition Pathway (FY25), Requirements process change to Capability Needs Statement (CNS)

LOGISTICS FEASABILITY AND ANALYSIS CAPABILITY (LOGFAC)

1LT JESUS PARRA
CAPABILITY DELIVERY MANAGER

LOGFAC

- **Scope of Work:** Sustain LOGFAC Application and its capability packages, SIPR access required.
- **Anticipated Dollar Value:** $8.4M
- **Acquisition Strategy**: Anticipate SBEAS Small Business Set-Aside
- **Contract Need Date:** Period of Performance: May 2024 – April 2028 (One-year base plus 3-one year option periods)
- **Current State:** LOGFAC supports 100+ users; the current application is hosted in C1; with an Oracle DB, Frontend React/TypeScript, Backend Java Spring Boot, Maven
- **Priorities/Challenges/Opportunities:** Reduce backlog technical debt, currently reviewing additional priorities, current challenges are modifying existing capabilities to meet Warfighter requirements
- **Future Considerations:** Modernizing application capabilities

LOGISTICS MODULE (LOGMOD) AND BASE SUPPORT EXPEDITIONARY PLANNING TOOL (BAS&E)

MS. ELAINE HOHMANN
CAPABILITY DELIVERY MANAGER

MR. GARY GARDNER
CAPABILITY DELIVERY MANAGER

LOGMOD & BaS&E

- **Scope of Work:** The purpose of this effort is to provide additional support to the Base Support and Expeditionary (BaS&E) Planning Tool and Logistics Module (LOGMOD) teams at Maxwell Air Force Base (MAFB) - Gunter Annex, Alabama. BaS&E and LOGMOD are both National Security System (NSS) programs currently in operations and sustainment (O&S). The teams are employing agile software delivery methodologies and need skilled augmented support to assist in delivering high-quality software. Specifically, the teams require application-specific subject matter expertise, testing support and management, and training management.
- **Anticipated Dollar Value:** $4M
- **Acquisition Strategy:** 8(a) Direct Award
- **Contract Need Date:** 1 September 2024
- **Current State:** BAS&E 4,200/LOGMOD 7,000 users, Cloud One (AWS), Atlassian Tool Suite – Jira, Zephyr, Confluence
- **Priorities/Challenges/Opportunities:** None
- **Future Considerations:** None

KEYSTONE DECISION SUPPORT SYSTEM (KDSS)/COMMAND MANAGEMENT SYSTEM (CMS)

MS. JAYLENE CARTERET
DEPUTY PORTFOLIO MANAGER,
FINANCIAL SYSTEMS

MR. SEAN HALPIN
CAPABILITY DELIVERY MANAGER
(POINT OF CONTACT)

KDSS/CMS

- **Scope of Work:** Sustainment and Maintenance of both systems, cloud migration, customer training and support
- **Anticipated Dollar Value:** $16M
- **Acquisition Strategy:** To be determined
- **Contract Need Date:** 16 March 2024
- **Current State:** KDSS 450 users, CMS 450 users. Resides in DISA Montgomery, shared Oracle database. Front Ends: KDSS - Business Objects, TM1, CMS - APEX. Interfaces: KDSS- 62 CMS – 0. Agile methodology: Water-Scrum/Sprint
- **Priorities/Challenges/Opportunities:** SFIS compliance, Cloud Migration, Expansion of Budget Development Tool capabilities to include USTransCom and USSF, increase usage of Atlassian toolset
- **Future Considerations**: KDSS - FIAR

CLOSING REMARKS

MR. ALVIN BURSE
CIVILIAN DEPUTY,
BUSINESS & ENTERPRISE SYSTEMS DIRECTORATE

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@AIRFORCEBES

BUSINESS AND ENTERPRISE SYSTEMS

VENDOR INDUSTRY DAY

MAY 24, 2023