



# **Business Applications Solution (BAS) Program - Program Status Update**

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**UNITED STATES DEPARTMENT OF COMMERCE  
OFFICE OF FINANCIAL MANAGEMENT**

April 27, 2021



01

Program Level Status

02

Functional

03

Enterprise Data Warehouse

04

Technical

05

Organizational Change Management

06

Risk

07

Security

08

Q & As and Polling

Expected  
**Structure.**  
Unexpected  
***Flexibility.***



# Program Update



# BAS PROGRAM UPDATE

## PROGRAM GOALS Q2 2021



**BUSINESS  
APPLICATIONS  
SOLUTION**

*One Commerce*

EXPECTED STRUCTURE. UNEXPECTED FLEXIBILITY.

The BAS Program brings together our DOC bureaus across four key mission support workstreams: Core Finance, Acquisitions, Asset Management, and Data Reporting & Governance. Overall, the BAS Program is committed to modernizing our essential support systems in these four key areas while enhancing the user experience, providing structure and security for our systems support, and providing long term flexible solutions.

## GOALS FOR Q2 2021

- Successfully complete data migration, user acceptance testing (UAT), training, and communication for BAS Real Property deployment
- Conduct Sprint 2 Activities for Common Solution Core Applications workstream
  - Successful completion of Sprint 2 and kickoff Sprint 3 for Core Applications
- Finalize Requirements Grooming for EDW workstream for HR/Payroll, Travel, and Grants communities
- Continue engaging stakeholders across the agency: providing timely communications, presentations, Q&A, and workshop participation opportunities for bureau stakeholders and subject matter experts



# **BAS PROGRAM UPDATE**

## **PROGRAM STATUS - Q2 2021**



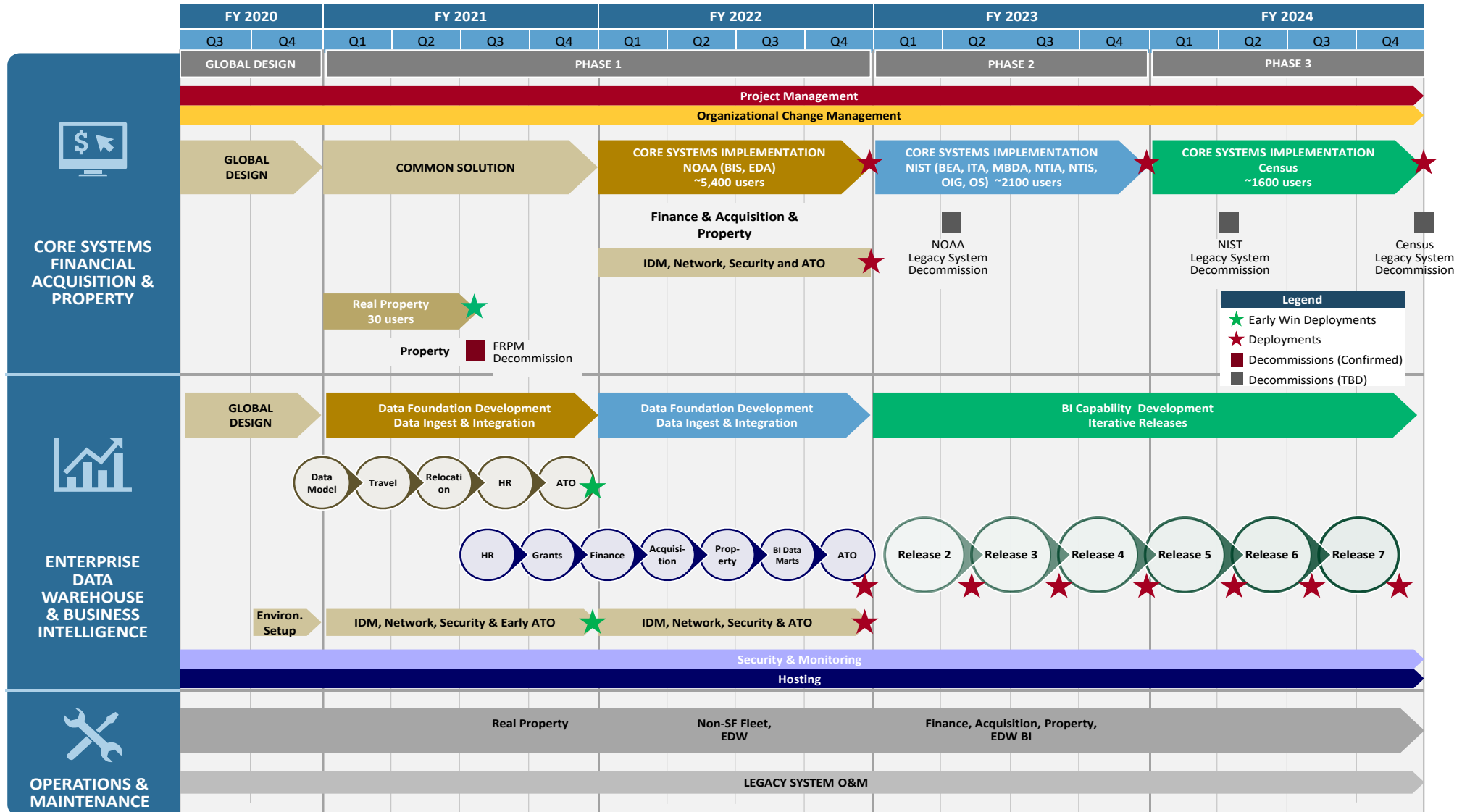
### **Key Program Accomplishments:**

- **BAS Real Property Deployment**
  - Conducted multiple data migrations into UAT environments to support testing activities
  - Conducted UAT Kickoff and Training Kickoff (including sign-ups for upcoming Q3 training)
  - OCM integration with Real Property Change Network on deployment readiness
- **Completed EDW Requirements Grooming for HR/Payroll, Grants, and Travel**
  - Validation of bureau stakeholders for Finance/Acquisitions/Budget EDW grooming in Q3
- **Completed Sprint 2 for the Common Solution Phase and Core Applications (Finance, Acquisitions, Asset Management)**
  - Provided Sprint 3 calendar for DOC stakeholders and bureau planning
  - Updated Sprint 3 calendar for Integration (Technical and Functional) workshops



# BAS PROGRAM UPDATE

## PROGRAM STATUS - Q2 2021- HIGH LEVEL PROGRAM SCHEDULE





# **BAS PROGRAM UPDATE**

## **PROGRAM PLANS AND PRIORITIES**



### **BAS Program Goals for Q3 FY 2021:**

- Successful deployment of Real Property community into Sunflower for Asset Management
  - Successful closeout of UAT and Training
  - Deployment of Real Property production support and governance procedures to support Sunflower users
- Successful closeout of Sprint 2 for Core Applications and successful kickoff of Sprint 3
- Successful kickoff of EDW Requirements Grooming for Finance/Acquisitions/Budget
- Finalization of Personal and Fleet Property implementation approach
  - Engagement with Personal and Fleet Property stakeholders on deployment activities





# Functional Update





# **BAS PROGRAM UPDATE – FUNCTIONAL**

## **RESPONSIBILITIES AND GOALS - Q2 2021**



### **RESPONSIBILITIES**



### **GOALS FOR Q2 2021**

- Conduct Common Solution Sprint 2 Sessions
- Real Property Go-Live for April 26th
  - Conduct Final Sprints and Configuration Validation Sessions
  - Prepare for UAT and Training



# BAS PROGRAM UPDATE – FUNCTIONAL



## WORKSTREAM STATUS - Q2 2021



### Sprint 1 October - December

#### Sprint 1

- Advanced Acquisition Planning
- Requisitions
- General Ledger Overview
- Cross Validation Rules
- Invoicing
- Reimbursables



### Sprint 2 January - March

#### Sprint 2

- Solicitations
- Awards
- Payments
- ACS
- Projects
- Receipts
- Journal Approvals
- Budget
- Cost Allocation



### Sprint 3 April - June

#### Sprint 3

- Modifications
- Closeout
- ACS
- Reporting and Analysis
- G-Invoicing
- IPAC Processing
- SLA
- Month/Year End Close
- SLT
- Unbilled Collections
- Cost Allocation
- Projects
- Integration Data Flows



### Sprint 4 July - September

#### Sprint 4

- G-Invoicing
- Vendor e-Invoicing
- Reporting and Analysis



# **BAS PROGRAM UPDATE – FUNCTIONAL**

## **PROGRAM IMPACT AND CHALLENGES**



### **Impact/Value of Accomplishments**

- Sprint 2 building on Sprint 1 concepts
- Continuing to see core applications and mapping of requirements to core system functionality
- Review and confirmation to establish configurations across the application suite
- Iterative updates of the Requirements Traceability Matrix (RTM) based on Sprint sessions

### **Challenges**

- Enterprise-Wide Single Configuration
- Agile vs. Waterfall Approach
- Real Property Implementation
  - Fast tracked schedule to meet April 2021 deployment



# **BAS PROGRAM UPDATE – FUNCTIONAL**

## **PLANS AND PRIORITIES**



### **Plans and priorities - Q3 FY 2021**

#### **Common Solution**

Sprint 2 Closure

Sprint 3 – April through June

- 50+ Workshops Scheduled
- Deep Dives (month 1)
- Data Calls (month 2)
- Configuration Validation (month 3)

#### **Real Property**

Go-Live – April 26th

Complete UAT

Complete User Training

Provide O&M Support



# **Enterprise Data Warehouse (EDW) Update**



# BAS PROGRAM UPDATE – EDW

## RESPONSIBILITIES



Develop a **DOC Enterprise Data Warehouse (EDW)** that includes BAS Core Applications, Grants, Travel, HR/payroll, and corresponding USPTO data



Provide **Business Intelligence (BI)** reporting and analytics capabilities



Develop **advanced analytics features\*** and/or Department-wide prebuilt **EDW reports**

### Notes:

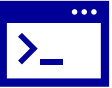






- \*Advanced Analytics Feature - report/dashboard that helps identify patterns and trends in data; reports/dashboards with higher development complexity
- Identification of advanced analytics features and/or Department-wide prebuilt EDW reports to be developed by the BAS EDW Team will occur after the completion of the Core Application Common Solution Phase



# BAS PROGRAM UPDATE – EDW

## GOALS, STATUS, AND IMPACT - Q2 2021



GOALS FOR Q2 FY 2021	STATUS AND IMPACT / VALUE OF ACCOMPLISHMENTS
 <p>Continue development for EDW initial data sources* for Travel, HR, and Grants</p> <ul style="list-style-type: none"><li>• Travel: E2 MIS and moveLINQ</li><li>• HR: NFC and WebTA</li><li>• Grants: Grants Online and Operations Planning and Control System (OPCS)</li></ul>	 <p>Completed development of initial ingest of data from WebTA, E2 MIS, and moveLINQ</p>  <p>Deferred development for NFC – additional coordination with NFC team is needed regarding data transmission approach and analysis of HR/workforce data needs</p>  <p>Cancelled development for Grants Online and OPCS based on GEMS program updates</p>  <p>Initiated design of EBS data ingestion earlier, based on deferring NFC development and GEMS updates</p>
 <p>Complete Requirements Grooming for Travel, Grants, and HR BI Marts</p>	 <p>Completed Requirements Grooming for Travel, Grants, and HR BI Marts.</p> <p>Note: Grants data and reporting needs identified during Requirements Grooming will be shared with the GEMS team to help inform data and reporting needs in the new DOC grants solution (with the caveat that the information does not represent comprehensive data and reporting needs)</p>

\*EDW data sources are applications that are anticipated to provide data directly to the BAS EDW. As of March 2021, this includes E2 MIS, moveLINQ, WebTA, NFC, and the BAS Core Applications (PRISM, EBS, Sunflower). Data from applications that interface with a BAS Core Application (e.g., System for Award Management (SAM), and bureau specific interfaces) will be provided through the applicable BAS Core Application-EDW integration. Potential grants system integration with the EDW to be determined based on future BAS-GEMS integration discussions.





# **BAS PROGRAM UPDATE – EDW**

## **CHALLENGES**



- Coordinating with external stakeholders to support EDW activities
- Identifying EDW Community BI Mart requirements in parallel with Core Application report and data requirements
- Balancing the effort required to ingest and integrate data from multiple source systems with providing visibility into the to-be data model to stakeholders
- Transitioning from multiple reporting environments with different capabilities to a single reporting environment with a standard DOC-wide set of capabilities
- Serving large volume of end-user communities with diverse data and reporting needs



# **BAS PROGRAM UPDATE – EDW**

## **PLANS - Q3 FY 2021**



### **Plans and priorities for Q3 FY2021:**



Perform testing of the initial ingest of WebTA, E2 MIS, and moveLINQ data into the EDW



Complete security control documentation and support the security assessment for the EDW Initial ATO deployment (Q4 FY2021)



Continue discussions with NFC on the data transmission approach for HR/workforce data



Initiate discussions with GEMS on BAS integration and reporting strategy



Continue design and start development of EBS data ingestion into the EDW



Complete Requirements Grooming for Acquisitions, Budget, and Finance BI Marts



# Technical Update

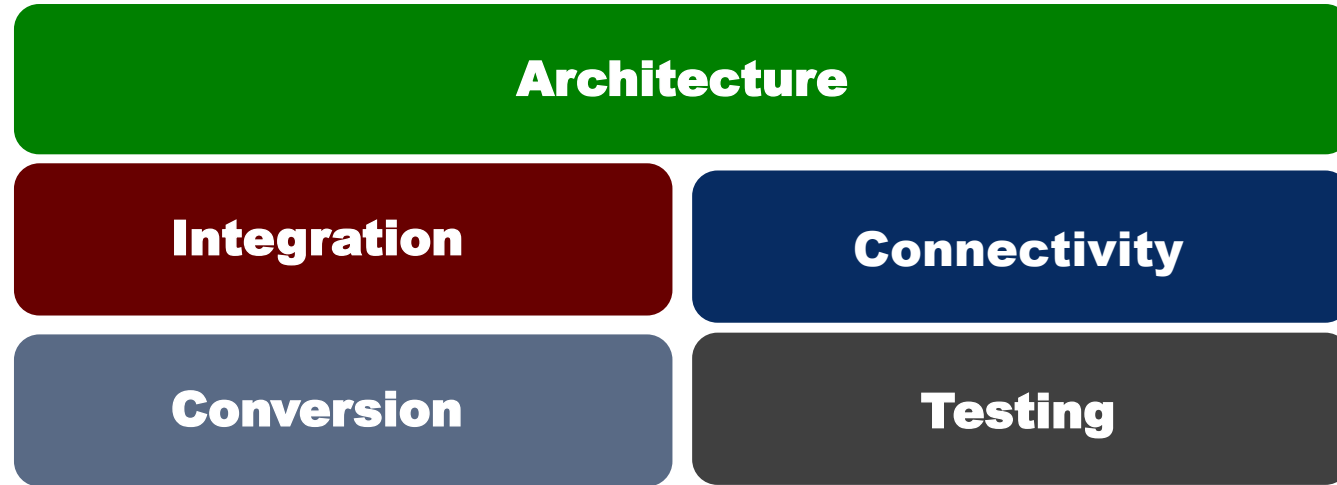


# **BAS PROGRAM UPDATE – TECHNICAL**

## **RESPONSIBILITIES AND GOAL - Q2 2021**



### **RESPONSIBILITIES**



### **GOALS FOR Q2 2021**

- Engage external integration stakeholders for discussions
- Prepare and begin establishing interface components and utilities in lower environments
- Develop Detail Design for BAS Technical Architecture
- Continue connectivity discussions for BAS users, DOC, and external systems and EDW
- Gather requirements and design approach for Identity & Access Management Solution



# BAS PROGRAM UPDATE – TECHNICAL

## STATUS AND IMPACT - Q2 2021

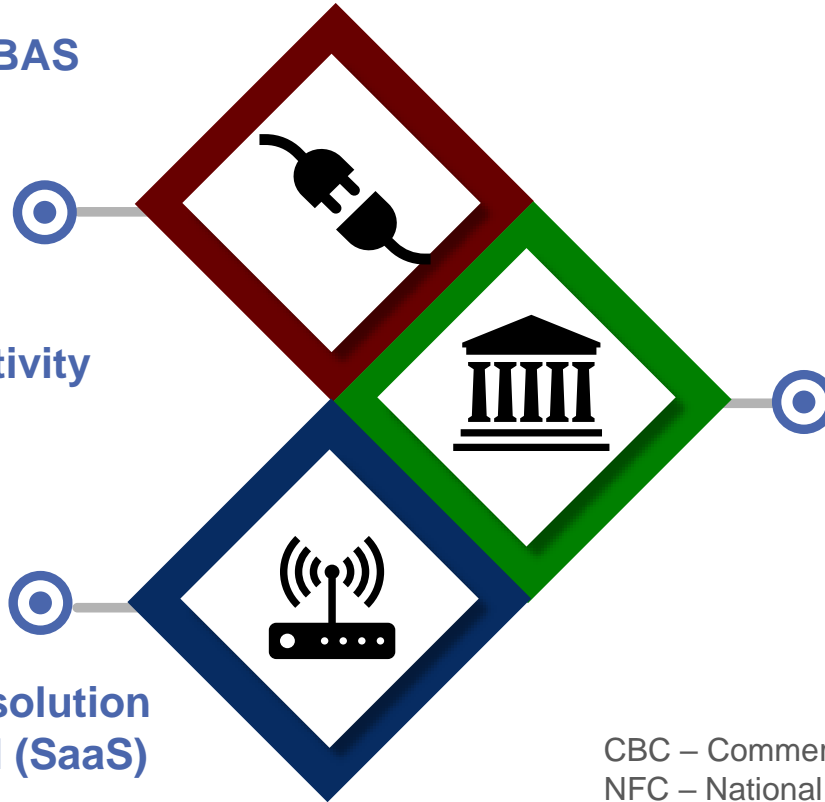


### Integration/Conversion

- Initiated discussions with NFC, CBC, SP3 PMO for potential BAS impact
- Initiated discussions with Treasury PAM for BAS test support
- Applied Phase 1 G-Invoicing patches and configured for initial testing
- Designed SP3 interface that accepts the current DOC file to generate invoice
- Established SAM.gov test interfaces/connectivity
- Supported Real Property Conversion testing

### Connectivity

- Continued internal discussions for Network Connectivity, Security Controls, and Identity, Credential and Access Management (ICAM) solution
- Established VPN connection between PRISM (SaaS) and Core Financials
- Initiated ISA development/approvals
- Implemented Comm Server in EDW environment



### Architecture

- Delivered Core Financial, EDW, PRISM, SNOW
- Completed custom configuration of Core Financials
- Conducted vulnerability scanning and remediation of lower environment
- Delivered Archival Strategy and Requirement document
- Delivered SNOW user interface framework

CBC – Commerce Bankcard Center

NFC – National Finance Center

SP3 – SmartPay3

SaaS – Software as a Service

ISA - Interconnection Security Agreement

SNOW – ServiceNow



# BAS PROGRAM UPDATE – TECHNICAL CHALLENGES

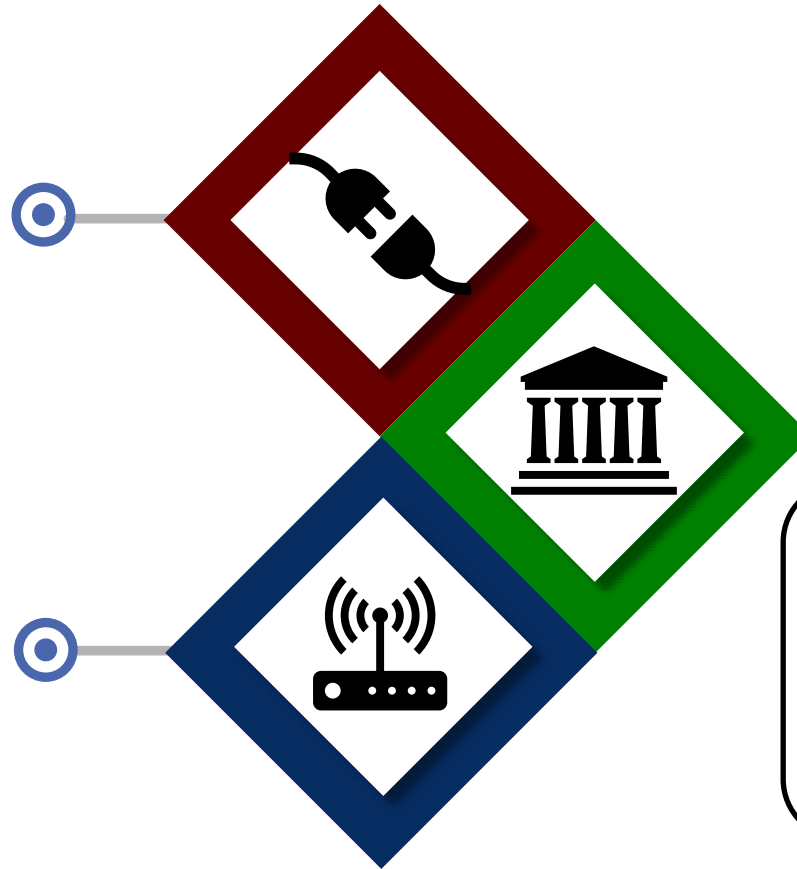


## Integration/Conversion

- Standardizing approaches across the Department for consolidated integration points
- Dependencies on the core application decisions such as ACS, Project/Tasks, and associated module readiness

## Connectivity

- Supporting the breadth and volume of users/connections across DOC
- Management/development/approval of ISAs



## Architecture

- Coordinating with concurrent ongoing projects across DOC:
  - ICAM project
  - Grants Enterprise Management Solution (GEMS) project



# BAS PROGRAM UPDATE – TECHNICAL

## PLANS AND PRIORITIES



### Plans and priorities - Q3 FY 2021:

#### Integration Conversion

- Continue design iterations for Common Solution Integrations
- BAS-CBS ACS Crosswalk for Conversion
- As-Is Interface Discovery Sessions during Sprint 3



#### Architecture

- BAS Tech Arch Design Review
- BAS Portal framework design completion
- Identity and Access Management architecture review



#### Connectivity

- Establish overall connectivity timeline and implementation details
- Develop plans for end user access to BAS across DOC







# **Organizational Change Management (OCM) Update**



# PROGRAM STATUS UPDATE – OCM

## RESPONSIBILITIES AND GOALS - Q2 FY 2021



### RESPONSIBILITIES

**Communications**

**Stakeholder Analysis  
& Management**

**Training**

### GOALS FOR Q2 FY 2021

- Communications - Continue to host information events for BAS community (Town Hall, Table Talks, Office Hours) and provide information products (Newsletters, Videos, Factsheets) on the website
- Stakeholder Analysis and Management – Develop framework design for BAS Portal; lead Real Property (RP) Change Network activities; and prepare Real Property User List for Access Control
- Training – Develop Real Property Training Materials, establish Commerce Learning Center (CLC) for training registration, establish CSC Portal BAS Page and publish Sprint 1 Business Process Videos

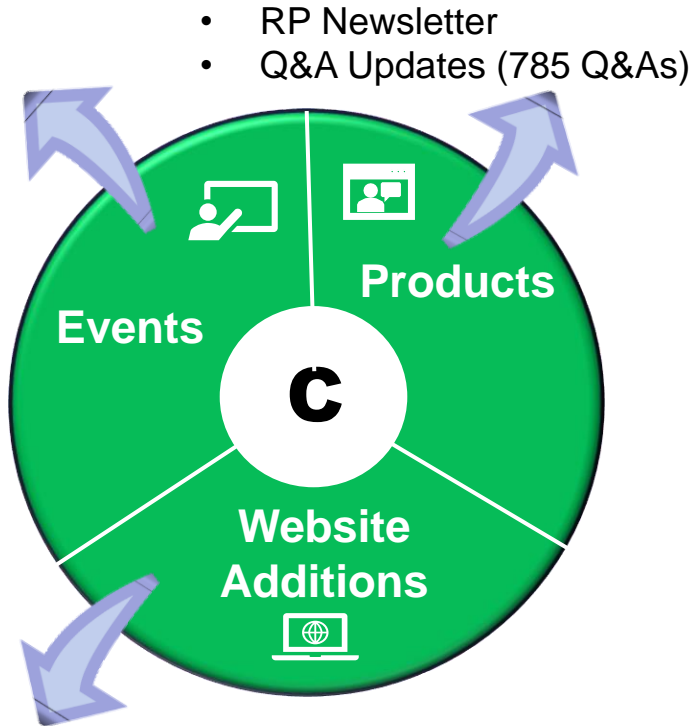


# PROGRAM STATUS UPDATE – OCM

## STATUS AGAINST Q2 GOALS

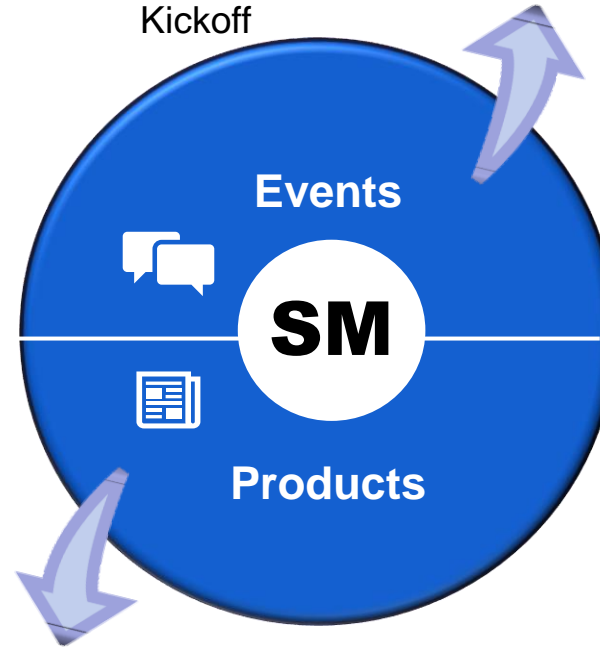


- Town Hall
- 2 Q&A Office Hours



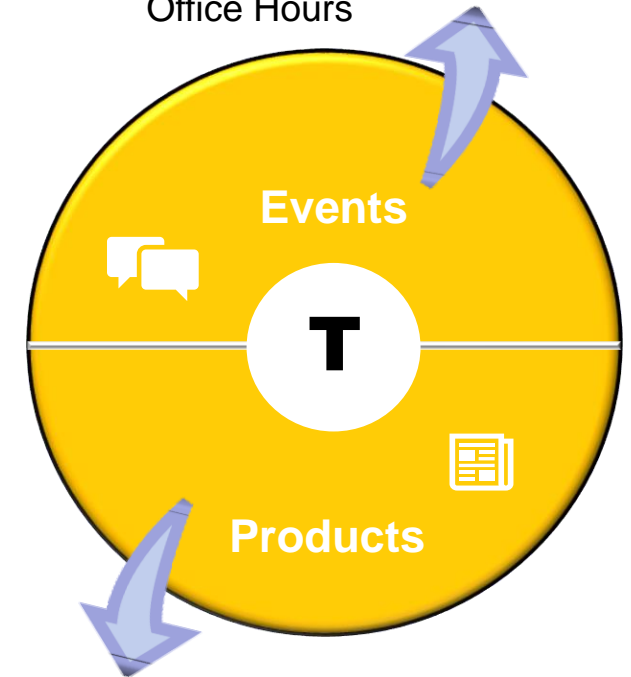
- CSC Portal BAS Page (7 Videos, 4 Docs)
- BAS Training Page addition
- BAS Org Chart addition
- BAS Acronym List expansion (288)
- BAS YouTube Channel page redesign
- BAS Sprint 3 Calendar
- New Q&As and RP Newsletter

- RP Change Network Sessions
- Role Based Access Control (RBAC) Kickoff



\* Commerce Learning Center

- RP Training Kickoff
- RP Training Pilot
- RP Training Exercises Office Hours





# PROGRAM STATUS UPDATE – OCM

## PROGRAM IMPACT AND CHALLENGES



### Increased Stakeholder Engagement

- BAS Website average monthly page hits increased from **2120** to **2230**.
  - Town Hall average participation increased from **202** to **266**.
  - Q&A posted to the BAS Website increased from **179** to **785**.
  - Sprint 1 Business Process Videos views reached **367**.
- 

### Challenges

- Developing, coordinating, and vetting RP Training materials before implementation as sprints were being concluded



# PROGRAM STATUS UPDATE – OCM

## PLANS AND PRIORITIES



### Plans and priorities - Q3 FY 2021:

#### Communications

- Identify, develop and deploy needed communication products
- Host engagement events on topics of interest
- Continue to build out the BAS Website to be the go-to location for program information



#### Stakeholder Analysis & Management

- Design end user roles for Oracle EBS, PRISM and Sunflower RBAC
- Transition from RP Change Network to plan for NOAA Change Network



#### Training

- Support RP Training registration and logistics
- Support RP Training delivery as well as post go-live Hypercare
- Develop and disseminate Sprint 2 Business Process Videos





# **Risk Management Update**



# **BAS PROGRAM UPDATE – RISK**

## **RESPONSIBILITIES AND GOALS - Q2 FY 2021**



### **RESPONSIBILITIES**

- Lead the Risk Management efforts for BAS
- Assist stakeholders with identifying and monitoring BAS risks to ensure critical milestones are met
- Institutionalize the Risk Management to ensure successful BAS deployment

### **GOALS FOR Q2 FY 2021**

- Continued engagement with stakeholders for documenting risks
- Provide additional focus on Property risks
- Identify and contact owners for the updates to current risks
- Improve reporting of risks for executives





# **BAS PROGRAM UPDATE – RISK**

## **STATUS/ACHIEVEMENT – Q2 FY 2021**



### **Status/Achievement against Plan:**

- Added 10 risks (2 Critical, 7 High, and 1 Medium severity)
- Engaged in multiple discussions with risk owners/submitters and provided additional clarification
- Tracked and updated existing Property risks
- Closed 4 risks
- Added macros to the Risk Register files to remove links
- Opened a new issue for Real Property (ending of services contract)
- Established a process for providing detailed information on key risks for the executive briefings



# **BAS PROGRAM UPDATE – RISK**

## **PROGRAM IMPACT AND CHALLENGES**



### **Impact/Value of Accomplishments**

- Continued emphasis on Real Property risks
  - Tracked data conversion tasks; added 3 risks and 1 issue
- Improved Risk Register
- Improved executive risk reporting and collaboration with the risk owners

### **Challenges/Issues/Points of Interest**

- Identifying risks, developing actionable mitigation plans, and determining accurate trigger dates
- Institutionalizing the Risk Program – considerable improvement achieved



# BAS PROGRAM UPDATE – RISK

## RISK/ISSUE STATS



Project Risk 5x5 Matrix		Impact					Total
		Negligible (1)	Minor (2)	Moderate (3)	Serious (4)	Critical (5)	
Likelihood	Extremely Likely (5)	0	0	0	3	0	3
	Likely (4)	0	0	0	7	3	10
	Moderately Likely (3)	0	0	5	8	0	13
	Not Likely (2)	0	0	11	16	4	31
	Extremely Unlikely (1)	0	9	15	7	6	37
Total		0	9	31	41	13	94

Initial Risks	Risks Added (Q2 2021)	Risks Closed (Q2 2021)	Current Risks
87	12	5	94

Initial Issues	Issues Opened/Realized (Q2 2021)	Issues Closed (Q2 2021)	Current Issues
3	1	0	4

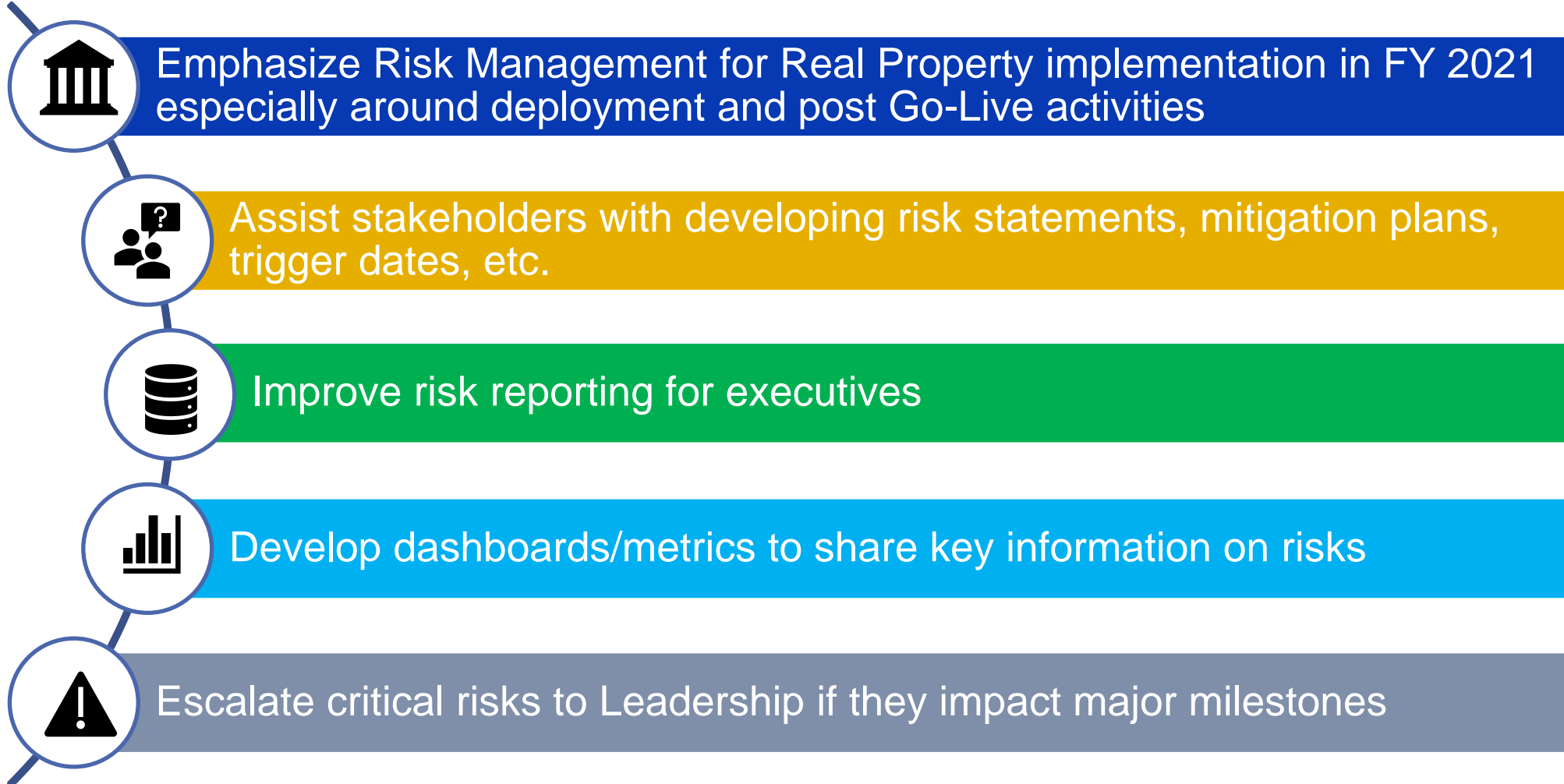


# BAS PROGRAM UPDATE – RISK

## PLANS AND PRIORITIES



### Plans and Priorities for Q3 FY 2021:





# Security Update



# BAS PROGRAM UPDATE – SECURITY

## RESPONSIBILITIES AND GOALS - Q2 FY 2021



### RESPONSIBILITIES

Lead the Security effort for BAS

Coordinate Assessment and Authorization (A&A)

Security Monitoring

Security SME for Project

ATO – Authority to Operate  
ESOC – Enterprise Security Operations Center  
SLA – Service Level Agreement



Collect Evidence and Create Process Documentation for Initial ATO



Update BAS SLA Requirements and Compile Metrics

### GOALS FOR Q2 2021



Evaluate BAS for High Value Asset (HVA) Designation



Finalize Agile ATO Process

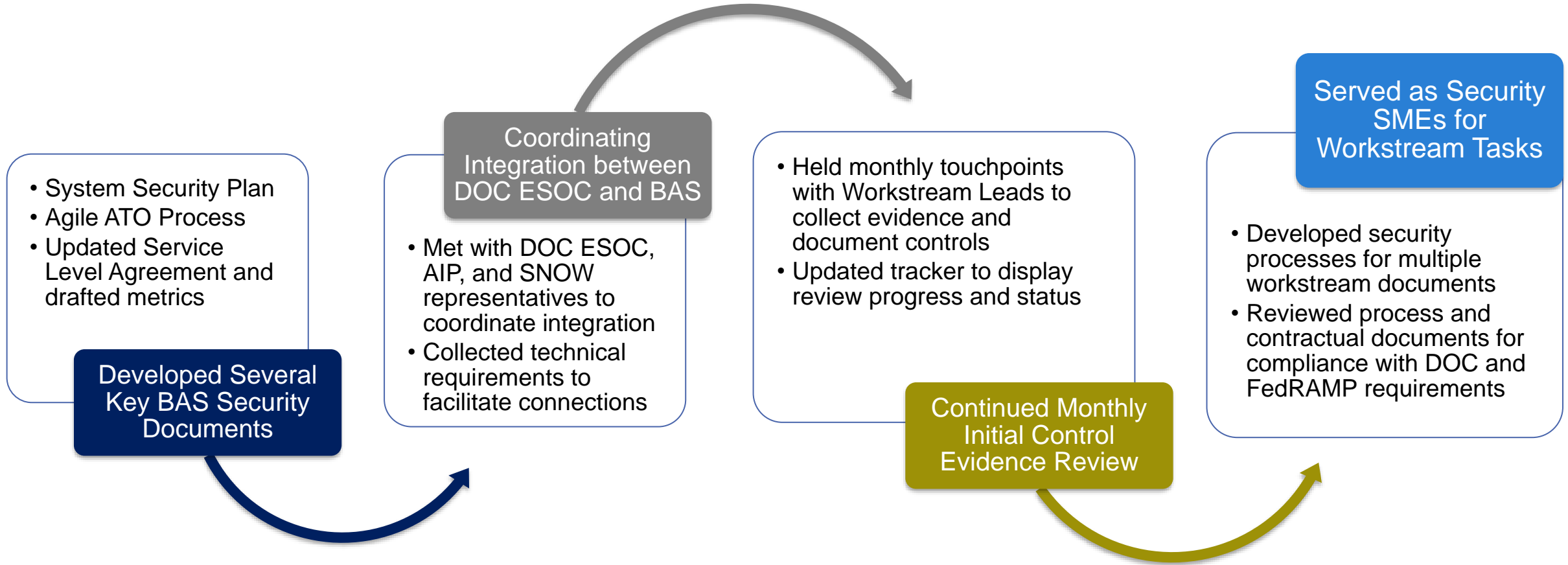


Provide initial Log Ingest to DOC ESOC from BAS Solution



# BAS PROGRAM UPDATE – SECURITY

## STATUS/ACHIEVEMENT - Q2 FY 2021



AIP – Accenture Insights Platform  
SNOW – ServiceNow





# **BAS PROGRAM UPDATE – SECURITY**

## **PROGRAM IMPACT AND CHALLENGES**



### **IMPACT:**

- Evaluated HVA designation and requirements
- Developed Agile ATO process
- Continued to evaluate security measures across program

### **CHALLENGES:**

- Slow start to DOC ESOC integration
- Possibility of new requirements based on the updated DOC Information Technology Security Baseline Policy (ITSBP)

**BAS SECURITY PROGRAM**



# **BAS PROGRAM UPDATE – SECURITY**

## **PLANS AND PRIORITIES FOR Q3 FY 2021**



### **Q3 2021 PRIORITIES**

#### **Finalize SLA and metrics**

- **Submit final version for management approval**

#### **Continue configuration of DOC ESOC and XDR**

- **Review dashboard**

#### **Prepare documentation for Security Assessment**

- **Schedule Kickoff meeting**

#### **Continue to coordinate with workstreams and CSP to collect evidence and verify control implementations**

**Continue to address questions regarding Federal and DOC policy requirements**



**Q&A**



# **BAS PROGRAM UPDATE**

**WE NEED YOUR INPUT**



**We'd like your input using Menti.com (authorized by DOC for use at these events)**

- Sign in using your computer, phone, or other electronic device  
[www.menti.com](http://www.menti.com)
- Enter the passcode when prompted
- Answer the question that appears – all responses are anonymous