



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

---

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

July 2021



01

Program Level Status

02

Functional

03

Enterprise Data Warehouse

04

Technical

05

Organizational Change

06

Management  
Risk

07

Security

08

Q & As and Polling

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

*Reminder: This session is being recorded*



# Program Update



# **BAS PROGRAM UPDATE**

**PROGRAM STATUS – Q3/Q4 2021**



## **Key Program Accomplishments:**

- **BAS Real Property Deployment**
  - Continued to provide HyperCare support for Real Property community post deployment to BAS and initiated transition away from HyperCare (HyperCare expires at the end of July 2021)
- **Completed Sprint 3 for Core Applications (Oracle, Prism)**
  - Began work on Sprint 3 close out materials and Sprint 4 deep dive sessions/scenario testing
  - Configuration baseline decisions for Oracle (initial for Gold Configuration)
- **Conducted Q&A Office Hours sessions and initiated Role Based Access Control (RBAC) assessment for Phase 1 deployment**
- **Continued EDW/Core Applications reporting data analysis for mission critical reports**
- **Conducted kick off for Personal Property and Fleet Property workstreams in Sunflower**
  - Scheduled two deep dive sessions to work through remaining requirements for Property



# **BAS PROGRAM UPDATE**

## **PROGRAM PLANS AND PRIORITIES**



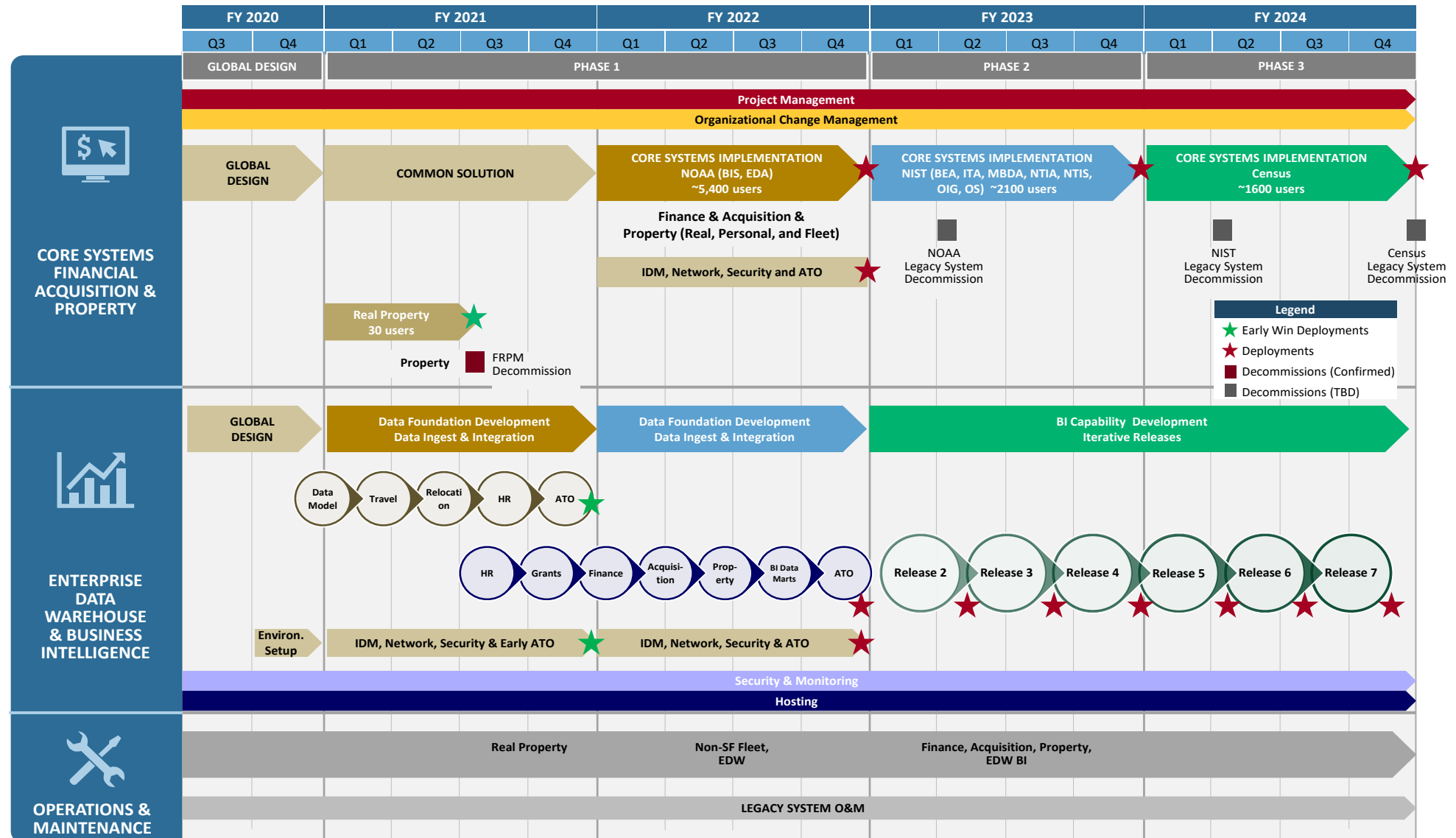
### **BAS Program Goals for Q4 FY 2021:**

- Property
  - Finalize and transition off HyperCare support for Real Property; transition to steady state production support
  - Conduct deep dive and CVS sessions for Personal and Fleet workstreams; finalize configuration for Phase 1 deployment
- Successful closeout of Sprint 3 for Core Applications (Oracle, Prism); successful kick off and conducting of Sprint 4 deep dive sessions and configuration reports
- Continue development of common integration points for BAS applications/DOC bureaus (i.e. SP3, E2 Solutions, webTA, NFC)
- Conduct Implementation Phase 1 Kick off meeting for NOAA, EDA, and BIS
  - Continue planning and scheduling of Phase 1 meetings and sessions (Q1, FY22)



# BAS PROGRAM UPDATE

## PROGRAM STATUS – Q3 2021– HIGH LEVEL PROGRAM SCHEDULE





# Functional Update



# **BAS PROGRAM UPDATE – FUNCTIONAL**

## **RESPONSIBILITIES AND GOALS – Q3 2021**



### **RESPONSIBILITIES**



### **GOALS FOR Q3 2021**

- Conduct Common Solution Sprint 3 Sessions
- Achieve Real Property Go-Live on April 26th
  - Conduct Final Sprints and Configuration Validation Sessions
  - Conduct UAT and Training





# BAS PROGRAM UPDATE – FUNCTIONAL



## WORKSTREAM STATUS – Q3 2021



### Sprint 1 and 2 October - March

#### Sprint 1 and 2

- Advanced Acquisition Planning
- Requisitions
- General Ledger Overview
- Cross Validation Rules
- Invoicing
- Reimbursables
- 
- 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 (IPP)
- Reporting and Analysis
- Finalize Baseline Configuration



### Sprint 5 NOAA Implementation Year

#### Sprint 5

- Data Cleanup
- Data Conversion
- Conference Room Pilot
- User Acceptance Testing
- Mock Migrations
- User Training



# **BAS PROGRAM UPDATE – FUNCTIONAL**

## **PROGRAM IMPACT AND CHALLENGES**



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

- Sprint 3 continued to build on Sprint 1 and 2 concepts.
- Core applications and mapping of requirements to core system functionality continues.
- Configurations are being reviewed and confirmed across the application suite.
- Requirements Traceability Matrix (RTM) is being iteratively updated based on Sprint sessions

### **Challenges**

- Enterprise-Wide Single Configuration
- Real Property Implementation
  - Fast tracked schedule to meet April 2021 deployment



# BAS PROGRAM UPDATE – FUNCTIONAL

## PLANS AND PRIORITIES



### Plans and Priorities – Q4 FY 2021

#### Common Solution

##### Sprint 3 - Closure

- Update RTM
- Develop videos
- Complete CVS Checklists

##### Sprint 4 – Finalize Baseline Configurations

- July – heads down internal work
- Aug/Sept – smaller group/targeted discussions
- Monthly Reporting to DMF

##### Sprint 5 – Kick off NOAA Implementation Year

#### Property

##### Real Property

- Provide O&M Support
- Continue HyperCare and Status Calls
- Initiate Change Control Board (CCB)

##### Personal and Fleet

- Conduct Requirement Deep Dives
- Finalize Baseline Configuration



# **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 – Q3 FY 2021



GOALS FOR Q3 FY 2021		STATUS AND IMPACT / VALUE OF ACCOMPLISHMENTS	
	Perform testing of the initial ingest of WebTA, E2 Solutions MIS, and moveLINQ data into the EDW.	✓	Completed testing of data ingest modules for WebTA, E2 Solutions MIS, and moveLINQ.
	Complete security control documentation and support the security assessment for the Early Authority to Operate (ATO) deployment*	✓	Completed security control documentation and artifacts.
	Continue discussions with National Finance Center (NFC) on the data transmission approach for HR/workforce data	✓	Met with NFC on data transmission approach for HR/workforce data.
		✓	Initiated design of initial data ingest of HR/workforce data.




\*Early ATO Deployment is a technical release to enable EDW, ServiceNow, and XDR platforms, establish connectivity, and security assessment for initial ATO – does not include end user functionality.



# BAS PROGRAM UPDATE – EDW

## GOALS, STATUS, AND IMPACT – Q3 FY 2021



GOALS FOR Q3 FY 2021		STATUS AND IMPACT / VALUE OF ACCOMPLISHMENTS	
	Initiate discussions with Grants Enterprise Management Solution (GEMS) on BAS integration and reporting strategy	✓	Participated in initial GEMS-BAS discussion and provided GEMS team the information gathered during requirements grooming to help inform grants data and reporting needs in the new DOC grants solution.
	Continue design and start development of EBS data ingestion into the EDW	✓	Initial development for data ingest of 6 EBS modules is 75% complete. Development of remaining data ingest and integration across EBS modules and other data sources to continue into Q2 FY2022.
	Complete Requirements Grooming for Acquisitions, Budget, and Finance BI Marts.	✓	Initiated requirements grooming and analysis of data calls responses from the Department and Bureaus; working in conjunction with Core Applications team to continue the review. Provided interim status update to stakeholders



# **BAS PROGRAM UPDATE – EDW**

## **CHALLENGES**



- Identifying EDW BI Mart requirements in parallel with the definition of Core Application processes, configurations, data attributes, and reports
- Balancing the effort required to ingest and integrate data from multiple data sources with providing visibility into the to-be data model to stakeholders
- Transitioning from multiple reporting environments to a single reporting environment with a standard DOC-wide set of capabilities





# **BAS PROGRAM UPDATE – EDW**

## **PLANS & PRIORITIES – Q4 FY 2021**



Support security assessment and deployment activities for the Early ATO deployment.



Continue design and start development of NFC HR/workforce data ingestion into the EDW.



Continue development of EBS data ingestion into the EDW.



Initiate design and start development of PRISM data ingestion into the EDW.



Continue analysis of Acquisitions, Budget, and Finance data call submissions and prepare for Q1 FY2022 update on reporting use cases that will be supported in the EDW.



Conduct Requirements Grooming for Real Property and Personal Property BI Marts.  
(Program Manager requirements grooming will occur in Q1 FY2022)



# Technical Update

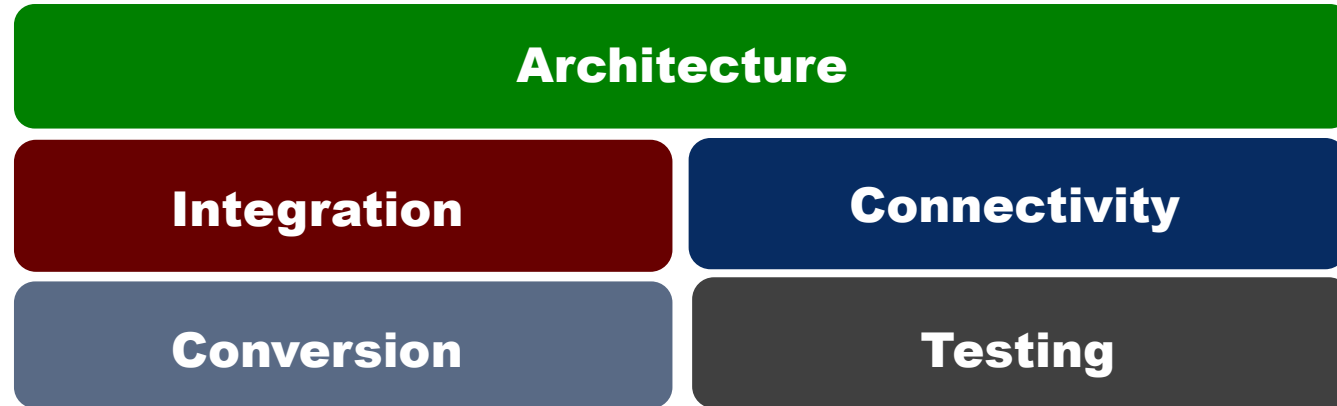


# **BAS PROGRAM UPDATE – TECHNICAL**

## **RESPONSIBILITIES AND GOAL – Q3 2021**



### **RESPONSIBILITIES**



### **GOALS FOR Q3 2021**

- Continue to engage external integration stakeholders for discussions
- Prepare and begin establishing interface components and utilities in lower environments
- Continue Interconnection Security Agreement's (ISA) development and approvals to start integration testing
- Define Identity & Access Management Solution design for Identity, Credential, and Access Management (ICAM) and BAS



# BAS PROGRAM UPDATE – TECHNICAL

## STATUS AND IMPACT – Q3 2021

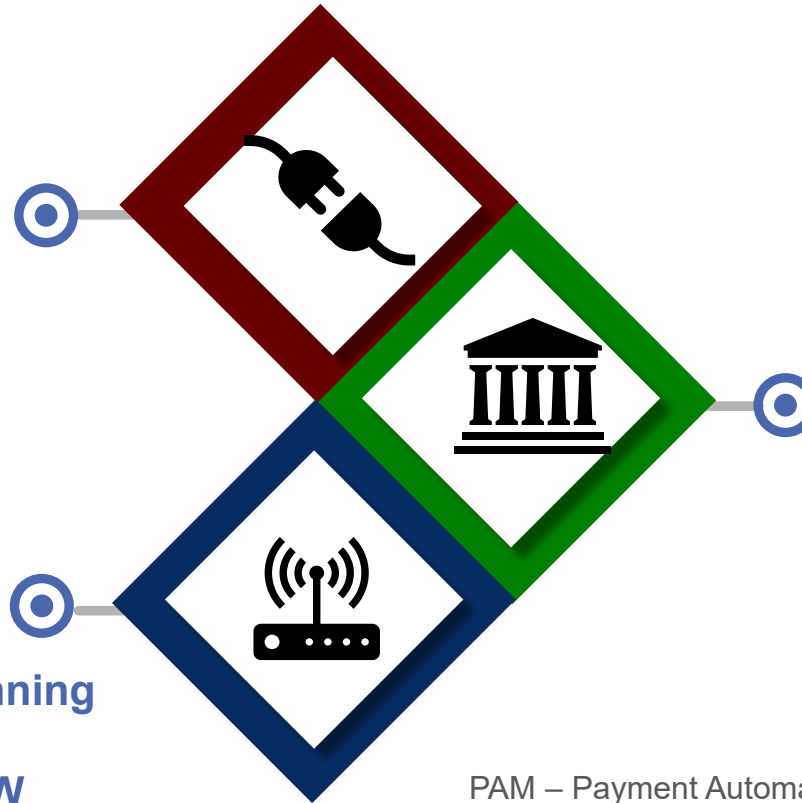


### Integration/Conversion

- Continued review of BAS impacts with external partners including NFC, Treasury, SP3, CWT
- Conducted As-Is Discovery Sessions with NOAA, NIST and Census
- Conducted detailed PAM as-is discussions with Treasury

### Connectivity

- Continued discussions for Network Connectivity, Security Controls, and ICAM solution and reviewed initial designs
- First ISA was developed and approved spanning 8 systems
- Implemented/validated Comm Server in EDW environment



### Architecture

- Completed BAS Portal design
- Finalized IDM vendor selection and continued discussion with ICAM
- Architected environment for BAS Phase 1 ATO
- Provided GOLD configuration for Core Financials
- Baselined OS and application security/functional patching and implemented best practices

PAM – Payment Automation Manager

IDM – Identity Management

ATO – Authority to Operate

OS – Operating System

ICAM – Identity Credential and Access Management



# BAS PROGRAM UPDATE – TECHNICAL CHALLENGES

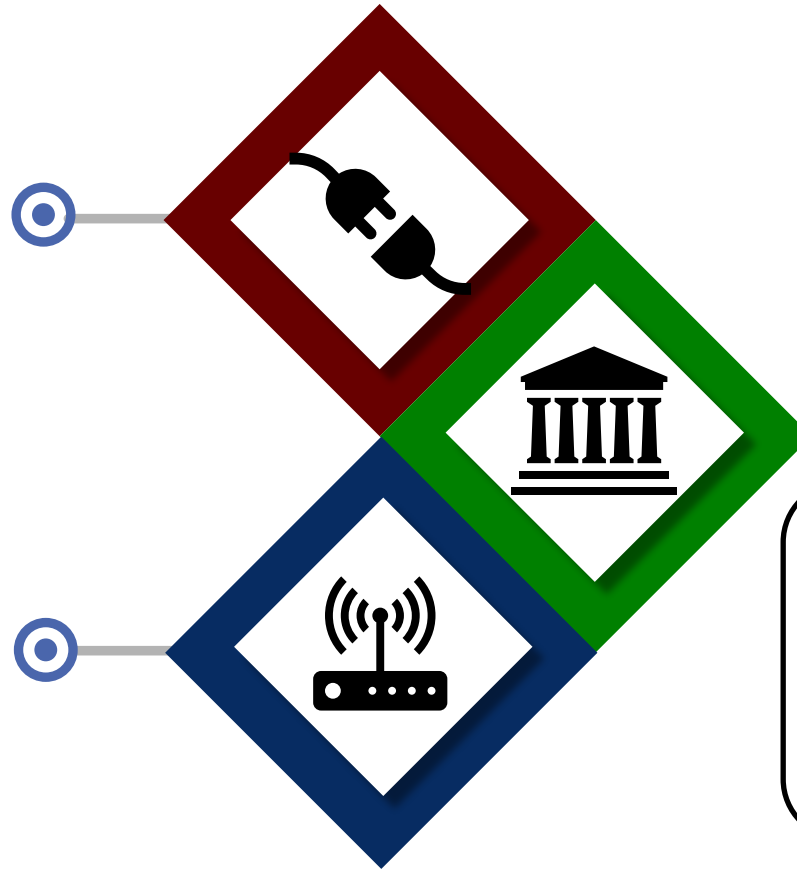


## Integration/Conversion

- Standardizing approaches across the Department for consolidated integration points
- Dependencies on the core application decisions such as Account Code Structure (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 Q4 FY 2021



### Integration Conversion

- Continue design iterations for Common Solution Integrations
- Develop BAS-CBS ACS Crosswalk for Conversion



### Architecture

- Review and implement BAS Tech Arch Design
- Refine BAS IT CONOPS
- Implement and integrate Identity and Access Management Architecture



### Connectivity

- Implement connectivity external to BAS and across Cloud Service Providers (CSPs)





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



# PROGRAM STATUS UPDATE - OCM

## RESPONSIBILITIES AND GOALS Q3 FY 2021



### RESPONSIBILITIES

**Communications**

**Stakeholder Analysis  
& Management**

**Training**

### GOALS FOR Q3 FY 2021

- Communications - Continue to host information events for the BAS community (Town Hall, Table Talk, Office Hours); Identify, develop and deploy needed communication products; Continue to build out the BAS Website
- Stakeholder Analysis and Management – Design end user roles for Oracle EBS; Establish NOAA Change Network plan
- Training – Support Real Property (RP) training and post Go-Live Hypercare; Develop and disseminate Sprint 2 Business Process Videos





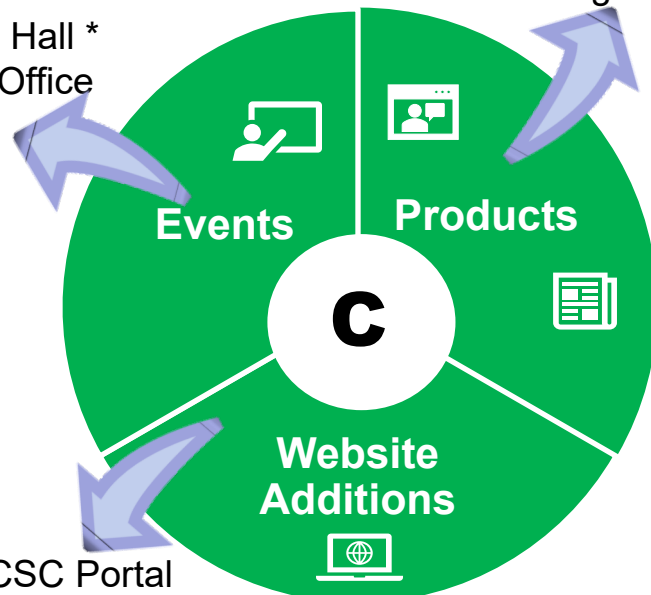
# PROGRAM STATUS UPDATE - OCM



## STATUS AGAINST Q3 PLANS

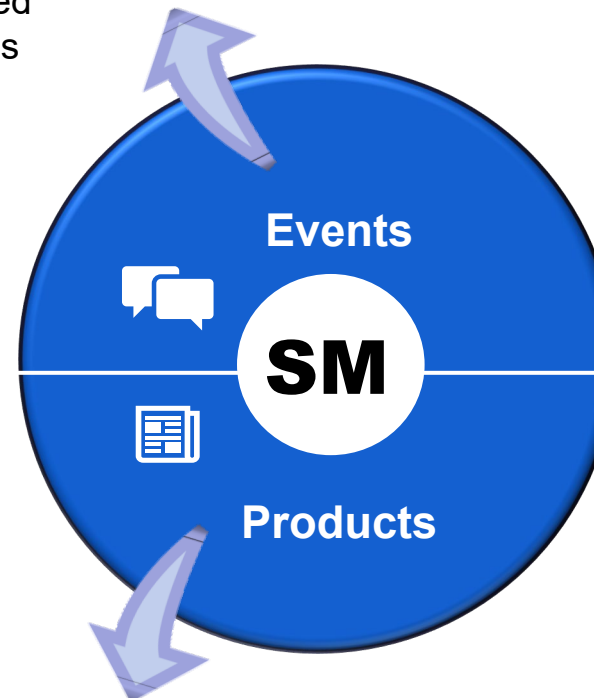
- June Newsletter (Edition #5) \*
- Numerous Q&A updates \*
- RP Go-Live Banner \*
- Implementation Lessons Learned
- Standardized event ground rules

- April Town Hall \*
- May Q&A Office Hours



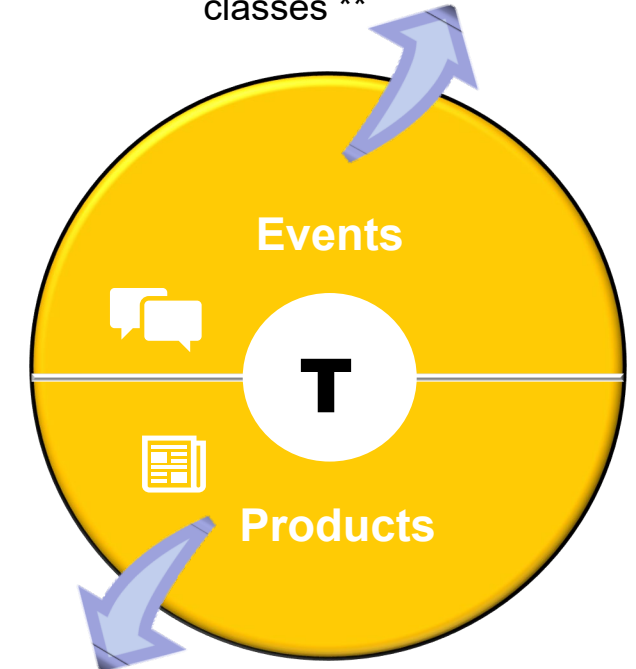
- Redesigned CSC Portal
  - 26 documents supporting Sprint 1 and 2 Outcomes
  - 7 Sprint 2 Business Process Videos
  - 14 RP User Guides, Consolidated Job Aids, Videos, and Production Support Procedures
  - EDW Fact Sheet
- BAS Website
  - Sunflower Go-Live Announcement and BAS High-Level Implementation Timeline

- May RP Change Network meeting



- 3 RP Self-Service Go-Live support products incl. FAQs \*\*
- NOAA Change Network plan
- Oracle Role Design draft

- April 2 one-week RP end user training classes \*\*



- RP Teacher Training Presentation \*\*
- RP Participant's User Guide \*\*
- 16 RP How-To Job Aids
- 5 RP Training Videos\*\*
- NOAA Train-the-Trainer Flyer and Brochure & Volunteer Submission Form\*

\* Posted on BAS Website \*\* Posted on CSC Portal



# PROGRAM STATUS UPDATE - OCM

## PROGRAM IMPACT AND CHALLENGES



### Increased Stakeholder Access to Information

- Significant growth in CSC Portal products from **11 to 59 (+436%)**
  - Business Process Videos views increased from **367 to 978 (+166%)**
  - Q&A posted to the BAS Website increased from **785 to 1200 (+53%)**
- 

### Primary Challenge

- Plan the Train-the-Trainer program including socializing it, identifying interested candidates, and then onboarding and training them for NOAA implementation year



# PROGRAM STATUS UPDATE - OCM

## PLANS AND PRIORITIES



### Plans and priorities for Q4 FY 2021:

#### Communications

- Identify, develop and deploy needed communication products
- Host engagement events on topics of interest
- Continue BAS Website and CSC Portal additions



#### Stakeholder Analysis & Management

- Establish NOAA Change Network
- Complete Oracle EBS RBAC design and coordinate efforts with PRISM, Sunflower, and EDW.
- Plan RBAC business processes for provisioning



#### Training

- Finalize NOAA Training Strategy
- Socialize Train-the-Trainer approach; begin to identify instructors
- Initiate development of BAS Training curriculum
- Deliver Sprint 3 Business Process videos





# **Risk Management Update**



# **BAS PROGRAM UPDATE – RISK**

## **RESPONSIBILITIES AND GOALS – Q3 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 Q3 FY 2021**

- Close Risks and Issues for Real Property
- Establish metrics/dashboards to share risk information
- Continue engagement with stakeholders for documenting risks and improve reporting to Executives
- Escalate critical risks to management if they impact major milestones



# **BAS PROGRAM UPDATE – RISK**

**STATUS/ACHIEVEMENT – Q3 FY 2021**



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

- Added 7 risks
- Closed 10 risks and 3 issues
  - Closed all Real Property risks and issues
- Engaged in multiple discussions with risk owners/submitters and provided additional clarification to improve the clarity and conciseness of the risks
- Continued to provide detailed information for the Executive Council meeting
- Updated the Risk Management Plan with the Risk Register enhancements and updates



# **BAS PROGRAM UPDATE – RISK**

## **PROGRAM IMPACT AND CHALLENGES**



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

- Real Property went live in April and then all risks and issues were able to be closed.
- Met with stakeholders and assisted with the development of new risks
- Improved executive risk reporting and collaboration with the risk owners

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

- Determining what is a risk/issue vs. a parking lot item
- Identifying risks, developing actionable mitigation plans, and determining accurate trigger dates
- Institutionalizing the Risk Program



# 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	5	4	9
	Moderately Likely (3)	0	0	8	9	0	17
	Not Likely (2)	0	0	9	15	1	25
	Extremely Unlikely (1)	0	11	15	6	6	38
Total		0	11	32	38	11	92

Initial Risks	Risks Added (Q3 2021)	Risks Closed (Q3 2021)	Current Risks
95	7	10	92

Initial Issues	Issues Opened/Realized (Q3 2021)	Issues Closed (Q3 2021)	Current Issues
4	0	3	1



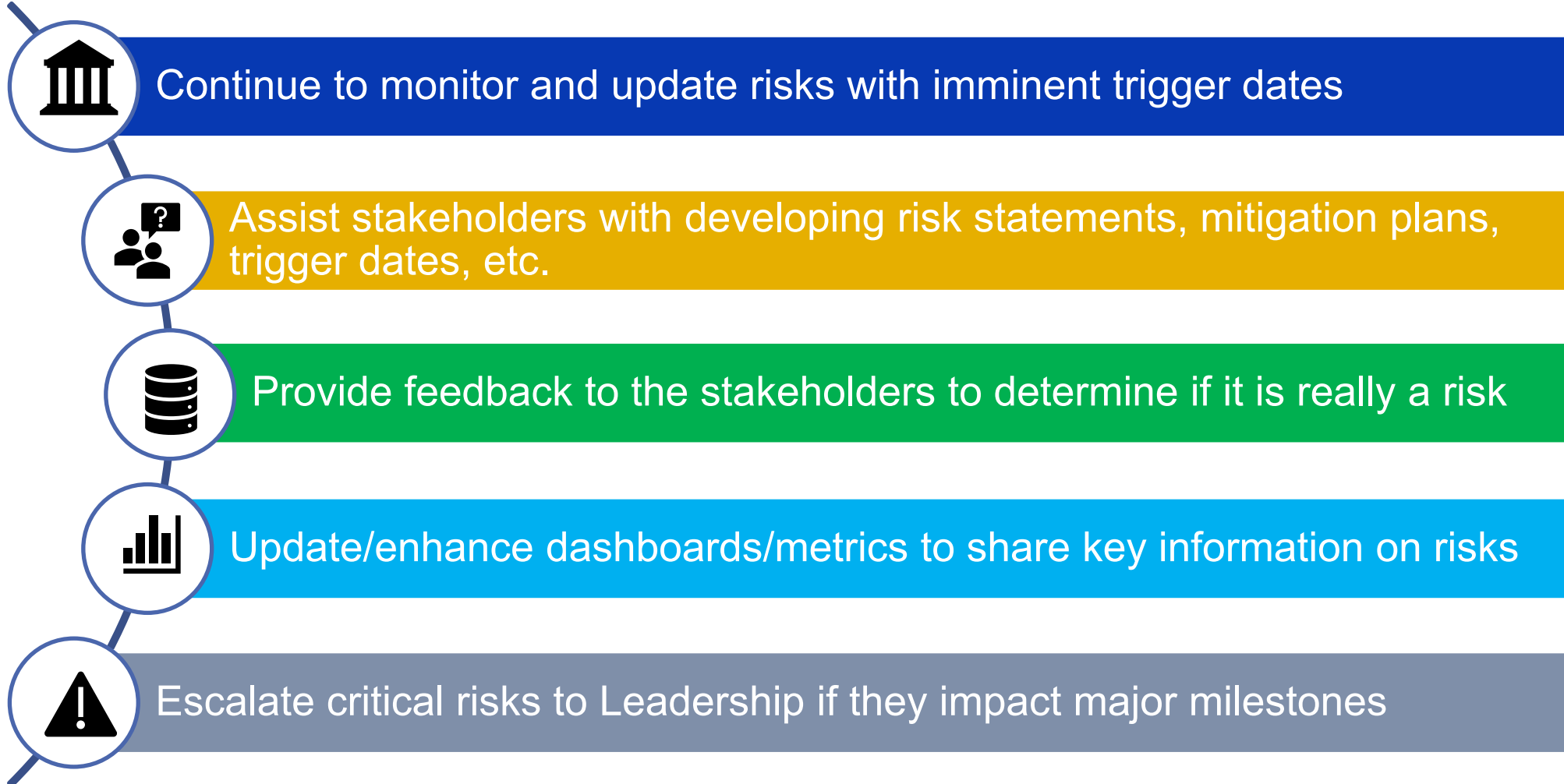


# BAS PROGRAM UPDATE – RISK

## PLANS AND PRIORITIES



### Plans and Priorities for Q4 FY 2021:





# Security Update



# BAS PROGRAM UPDATE – SECURITY

## RESPONSIBILITIES AND GOALS Q3 2021



### RESPONSIBILITIES

Lead the Security effort for BAS

Document Control Implementation

Coordinate Assessment and Authorization (A&A)

Security Monitoring

ATO – Authority to Operate  
PTA – Privacy Threshold Analysis  
PIA – Privacy Impact Assessment



Collect evidence and create process documentation for Initial ATO



Begin Security Assessment

### GOALS FOR Q3 2021



Submit PTA/PIA for approval



Review Interconnection Security Agreements (ISAs)



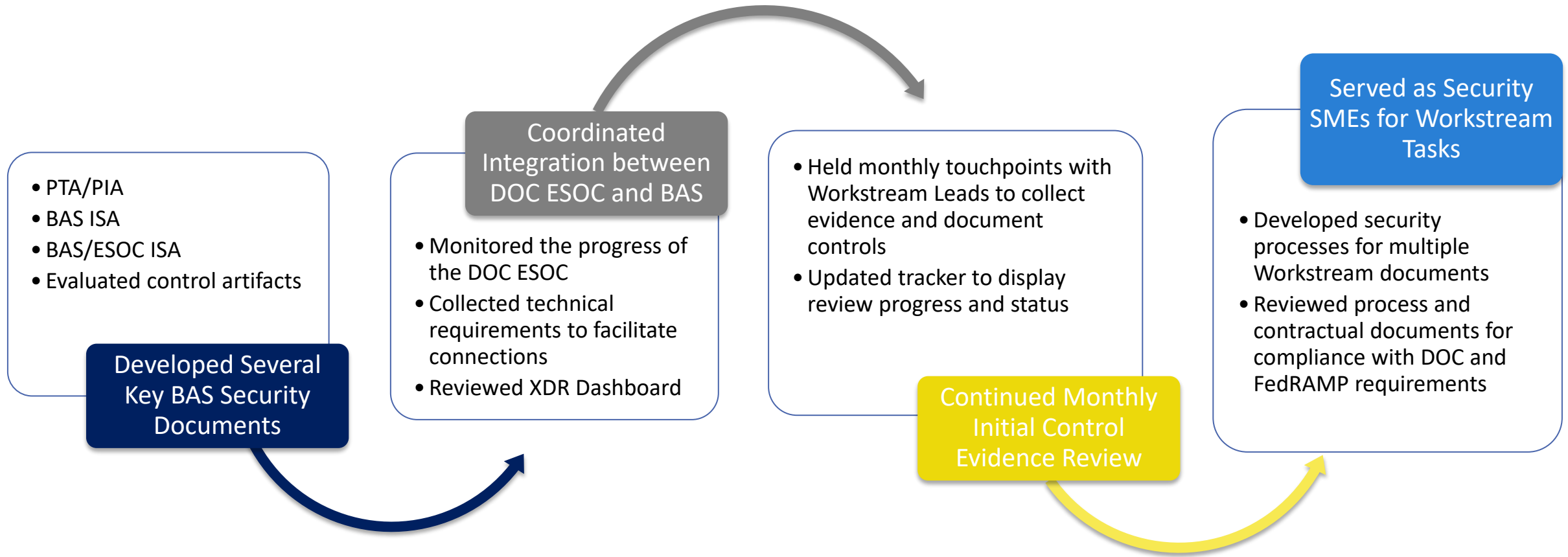
Monitor system logs



# BAS PROGRAM UPDATE – FUNCTIONAL



STATUS/ACHIEVEMENT THROUGH Q3 2021



XDR – Xtended Detection and Response



# **BAS PROGRAM UPDATE – SECURITY**

## **PROGRAM IMPACT AND CHALLENGES**



### **IMPACT:**

- Began working with 3<sup>rd</sup> Party Assessor for Security Assessment
- Completed ISAs
- Developed Dashboard using Xtended Detection and Response (XDR) tool

### **CHALLENGES:**

- Delays in implementation and testing with DOC ESOC
- Aggressive timeline for document turn around from Coalfire
- Delayed responses on data calls from OCIO

## **BAS SECURITY PROGRAM**



# **BAS PROGRAM UPDATE - SECURITY**

## **PLANS AND PRIORITIES FOR Q4 2021**



### **Q4 2021 PRIORITIES**

#### **Complete assessment with 3<sup>rd</sup> Party Assessor**

- Review SAR
- Create POAMs (as needed)

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

- Initial logs to DOC ESOC

#### **ATO Briefing**

- Prepare for ATO Briefing

#### **Update Security Documentation based on:**

- NIST 800-53 Rev 5
- New DOC Policy / HVA
- New Systems and functionality

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



**If you can't access the Teams chat line, you can use the following link to type in your question:**

**<https://www.menti.com/sygx8bc3iw>**



# BAS PROGRAM UPDATE

## NEXT EVENT



## BAS Q&A Office Hours

- August 16, 2021





# **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](https://www.menti.com) with passcode **1508 4354**
- You can also reach the survey directly using  
<https://www.menti.com/qrkwt8o1gb>
- Answer the questions that appears – all responses are anonymous