AGENDA

Expected Structure. Unexpected Flexibility.

01 Core Applications - Global Design Outcomes and Next Steps

02 Enterprise Data Warehouse - Global Design Outcomes and Next Steps

03 Risk Management – Your Role

04 Pulse Check
BAS PROGRAM TABLE TALK

PRESENTERS

Andy Blumenthal
BAS Deputy PM

Angela Hang
AFS EDW Lead

Dwight Whitted
AFS EDW Team Member

Mary Beth Torpey
AFS Functional Core Financials Lead

Rakesh Raman
BAS Risk Lead
Core Applications - Global Design Outcomes and Next Steps
BAS TABLE TALK – CORE APPLICATIONS

GLOBAL DESIGN OUTCOMES TO DRIVE COMMON SOLUTION

KEY DESIGN DECISIONS

- Confirmed 86 KDDs by workstream
- Identified differences among bureaus as part of workshops
- **CS Impact:** KDDs will drive CS business process recommendations which will be reviewed during Sprints.

REQUIREMENTS

- Used 1642 requirements as baseline for GD
- Reviewed post-workshop to prepare for CS
- Identified a small subset (89) as requiring additional confirmation as part of CS
- **CS Impact:** At the end of each Sprint, we will review impacted requirements and submit through requirements review process.

BACKLOG

- From workshops, compiled a list of items to review during Common Solution
- **CS Impact:** Review any open backlog questions during Sprint sessions and drive deep dive discussions

EXIT CRITERIA

- Identified additional CS topics
- Established initial list of data calls to support configuration validations
- Identified 101 non-functional questions and pain points to support future discussions
- **CS Impact:** Leverage details from Exit Criteria to shape Deep Dives
Wonderful partnership and collaboration across different teams

Confirmed BAS Account Code Structure

DOC Ledger structure review – the foundation of the core financials

Real Property for April deployment kickstart – 9 sessions in October alone!

Deep dive into Advanced Acquisition Planning – tackling complex policy decisions from Month 1

20+ Deep Dive Sessions across Core Applications
BAS TABLE TALK – CORE APPLICATIONS

OBSERVATIONS, QUESTIONS, MISPERCEPTIONS, AND PAIN POINTS

- Bureau experts provide great insights into the DOC way of doing business.

- December will bring us back together to show the Configuration Validation Sessions – we will walk through business processes and transactions together. This will help us see the previous concepts discussed in Sprint 1 in the system.

- Your excitement is wonderful – we are tracking your questions and asks to support future phases e.g. training. We share those with the other work streams like the Organizational Change Management team.
### BAS TABLE TALK – CORE APPLICATIONS

#### CS SPRINTS PER APPLICATION

<table>
<thead>
<tr>
<th>SPRINT 1 FY2021 Q1</th>
<th>PLANNED OUTCOMES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRISM</strong></td>
<td><strong>APPLIED</strong></td>
</tr>
<tr>
<td>• Advanced Acquisition, Requisitions</td>
<td>• Confirmed template requirements to support Advanced Acquisition Planning</td>
</tr>
<tr>
<td>• AP: Invoices, Approval Hierarchies, AR: Reimbursables, Billing</td>
<td>• Standardized Requisition Numbering for all bureaus</td>
</tr>
<tr>
<td>• GL: Ledger Overview, ACS, CVR</td>
<td>• Approval Hierarchies for transactions</td>
</tr>
<tr>
<td>• PA: Cost Allocation, BAS Data Standardization, Object Classes, Labor Costs</td>
<td>• Reimbursable and Billing Process (Pre G-Invoicing)</td>
</tr>
<tr>
<td><strong>EBS</strong></td>
<td>• Confirmed One Ledger</td>
</tr>
<tr>
<td>• Real Property: Acquisition, Utilization, Finance Treatment, Disposals, Reporting / Interfaces</td>
<td>• Defined Account Code Structure</td>
</tr>
<tr>
<td><strong>SF</strong></td>
<td>• Standardized Object Class approach</td>
</tr>
<tr>
<td>• FRPM to SF Real Property business process mapping</td>
<td>• Cost Allocation Methodology</td>
</tr>
<tr>
<td><strong>INT</strong></td>
<td>• Required reports to support RP</td>
</tr>
<tr>
<td>• SAM</td>
<td>• April 2021 Go-Live Expectations</td>
</tr>
<tr>
<td>• PRISM – EBS</td>
<td>• SAM Standardization</td>
</tr>
<tr>
<td>• Sunflower – EBS</td>
<td>• PRISM to EBS data validations and financial impact</td>
</tr>
<tr>
<td>• To-be process for Sunflower Financial Treatment</td>
<td></td>
</tr>
</tbody>
</table>
## BAS TABLE TALK – CORE APPLICATIONS
### WORKING TOGETHER TO ACHIEVE COMMON SOLUTION SUCCESS

<table>
<thead>
<tr>
<th>DEEP DIVE</th>
<th>OCTOBER</th>
<th>NOVEMBER</th>
<th>DECEMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Begin discussions related to policy and procedures impact&lt;br&gt;• Participate in the deep dive discussions to align configurations and business process to DOC policy requirements&lt;br&gt;• Confirm CS configurations with dedicated workshops to review policy and DOC requirements&lt;br&gt;• Perform and review initial configuration&lt;br&gt;• Discuss, review, and validate initial configuration settings and values</td>
<td>• Respond to data calls for Configuration Validation Sessions&lt;br&gt;• Identify process improvements and potential workarounds&lt;br&gt;• Prepare business process scenarios for system validation session / purposes to mimic real business cases&lt;br&gt;• Identify system configuration integration points&lt;br&gt;• Discuss, review, and validate transaction flow with SMEs&lt;br&gt;• Discuss and provide direction for configuration options&lt;br&gt;• Assess system roles and responsibilities and access&lt;br&gt;• Document To-Be Business Process</td>
<td>• Work with business community members to resolve Sprint Sessions parking lot items&lt;br&gt;• Review recommended business processes during Configuration Validation Sessions&lt;br&gt;• Conduct Configuration Validation Sessions based on CS configurations and confirmed business process flows&lt;br&gt;• Perform walkthrough of system transaction flow&lt;br&gt;• Provide configuration options and alternatives to meet requirements&lt;br&gt;• Discuss and agree on configuration options&lt;br&gt;• Update Requirements Traceability Matrix</td>
</tr>
</tbody>
</table>

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**DEEP DIVE**

- Begin discussions related to policy and procedures impact
- Participate in the deep dive discussions to align configurations and business process to DOC policy requirements
- Confirm CS configurations with dedicated workshops to review policy and DOC requirements
- Perform and review initial configuration
- Discuss, review, and validate initial configuration settings and values

**OCTOBER**

- Respond to data calls for Configuration Validation Sessions
- Identify process improvements and potential workarounds
- Prepare business process scenarios for system validation session / purposes to mimic real business cases
- Identify system configuration integration points
- Discuss, review, and validate transaction flow with SMEs
- Discuss and provide direction for configuration options
- Assess system roles and responsibilities and access
- Document To-Be Business Process

**NOVEMBER**

- Work with business community members to resolve Sprint Sessions parking lot items
- Review recommended business processes during Configuration Validation Sessions
- Conduct Configuration Validation Sessions based on CS configurations and confirmed business process flows
- Perform walkthrough of system transaction flow
- Provide configuration options and alternatives to meet requirements
- Discuss and agree on configuration options
- Update Requirements Traceability Matrix
**BAS TABLE TALK – CORE APPLICATIONS**

**COMMON SOLUTION DELIVERABLE PROGRESS**

**MONTH 1 – COMPLETE**
- Validate Common Solution
- Identify Above and Beyond Requirements

**MONTH 2 – IN PROGRESS**
- Update RTM
- Develop Test Strategy (Test Scripts, Test Plan)

**MONTH 3 – PLANNED**
- Present Targeted Validations
- Update Implementation Plan

**FUTURE SPRINTS**
Include:
- Solution Design
- Conversion Strategy
- Interface Strategy
- Training Plan

**PHASED DEPLOYMENTS**
Enterprise Data Warehouse - Global Design Outcomes and Next Steps
Provide the Department, Bureaus, Line/Lab/Program offices the tools and capabilities needed to manage their business, anchored on operating consistently as an enterprise.

- **Objective**
  - Single standardized instance of enterprise data warehouse - one-stop-shop for data needs – for use across the Department, Bureaus, Line/Lab/Program Offices as common ground for data and insights
  - Robust reporting tool that empowers users to build reports/dashboards the way they need it – e.g. copy & customize, drill to detail, export, creation of team workspaces.

- **End-User Focus**
  - BAS core applications offer a robust suite of operational reports – learn about these throughout Common Solution. Additional reporting needs – operational, cross-business function, managerial – can be developed with EDW ad-hoc reporting capability. **BAS EDW will develop the data foundation** (data processes, integrated reporting tables, pre-joined datasets in the BI tool) to support ad-hoc reporting.
  - To drive towards operating as an enterprise, create “community focus” reporting areas organized by business function (e.g. Finance, Budget, HR). BAS will work with each group to identify Power Users and provide them training in how to develop and publish reports for their community.
  - The BAS program will also be developing priority advanced analytics features.
BAS Core Applications offer robust suite of reports to handle day-to-day reporting needs. Learn about these operational reports throughout Common Solution sessions.

BAS EDW will provide self-service reporting capability to support development of any other operational reporting needs. Use cases are geared towards cross-function managerial reporting and analytics.

Single entry point and single sign-on for all BAS apps through the BAS Portal.
The following shows the journey from **learning about BAS operational reports during Common Solution**, to working with you on **how to address additional reporting needs during Implementation Preparation**, to working with your **Community Power Users to develop evolving reporting needs post-go-live**.

<table>
<thead>
<tr>
<th>User Change Journey</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23 Q1</th>
<th>FY23 Q2 – Q4</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Common Solution</strong></td>
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<tr>
<td>• Select &amp; configure core application operational reports</td>
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<tr>
<td>• Map needs to BAS standard reports</td>
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<tr>
<td><strong>Implementation Preparation</strong></td>
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<tr>
<td>• For any gaps, identify solution, discuss with BAS CCB, and work with users on how this will be addressed</td>
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<tr>
<td><strong>Go-Live</strong></td>
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<tr>
<td>• Users work with live operational reports. Develop additional/new reporting needs in EDW Community BI Mart.</td>
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</tbody>
</table>

**Power User Report Development**

**EDW Development**

<table>
<thead>
<tr>
<th>Develop Data Foundation</th>
<th>Community Powered BI &amp; Ad-hoc Capability Enabled (BAS to support Power User report development)</th>
<th>Develop Advanced Analytics Features (by BAS EDW application team)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Develop BI Foundation</td>
<td>Continued enhancement of Data and BI Foundation based on analytics, managerial, and ad-hoc reporting needs</td>
<td></td>
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</tbody>
</table>
## BAS TABLE TALK - EDW

### GLOBAL DESIGN OUTCOMES

| Data Sources | • Prioritizing data feeds that meet cross-business function reporting objectives. Additional feeds can be added post-BAS implementation, based on need and value.  
• Early deployment of first half of data sets in FY22 Q1 to work through network connectivity and ATO. |
| Retiring Current Systems | • Current financial/acquisitions/property systems data will be copied into the EDW Data Lake.  
• Reviewing current reporting applications for functionality that support cross-function enterprise missions, to adopt into BAS EDW (e.g. MARS). |
| Architecture | • Designed for continued development of advanced BI and analytics capabilities in the future.  
• Vendor hosted and managed. Fit-for-purpose tech stack – add/remove services as needed. Scale up/down on demand. |
| Security | • XDR for continuous security monitoring and vulnerability detection. Annual ATO review of security posture. |
**BAS TABLE TALK - EDW**

**WHAT'S IN SCOPE & SCHEDULE**

<table>
<thead>
<tr>
<th>DATA</th>
<th>FY22 (Go-live 10/1/21)</th>
<th>FY23 (Go-live 10/1/22)</th>
<th>FY24 (Go-live 10/1/23)</th>
<th>FY25 (Go-live 10/1/24)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inbound Data Ingest &amp; Transformation into Integrated Data Model</strong> – data starting from point of Go-live; no historical data load</td>
<td></td>
<td></td>
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<tr>
<td>Travel:</td>
<td>HR/Payroll:</td>
<td>Grants:</td>
<td>BAS Financial</td>
<td>Grants: GMIS</td>
</tr>
<tr>
<td>• E2 MIS</td>
<td>• NFC</td>
<td>• Grants Online</td>
<td>• BAS Acquisition</td>
<td>• USPTO (Data files USPTO provides the Department today, automate load into EDW)</td>
</tr>
<tr>
<td>• mLINQ</td>
<td>• WebTA</td>
<td>• OPCS</td>
<td>• BAS Property</td>
<td></td>
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<tr>
<td><strong>Full History Copy of Current System data into the Data Lake</strong> – data copy starts 10/1 and completed by end of Q1</td>
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<tr>
<td>• FRPM (All Bureaus)</td>
<td></td>
<td>NOAA CBS (NOAA, BIS, EDA)</td>
<td>NIST CBS (NIST, BEA, ITA, MBDA, NTIA, NTIS, OS, OIG)</td>
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<tr>
<td></td>
<td></td>
<td>NOAA C.Suite (NOAA)</td>
<td>• NIST C.Suite (NIST)</td>
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<tr>
<td><strong>Outbound BAS Data Service</strong> (e.g. EBS integration or EDW extract of financial data) <strong>to support out of scope functionality</strong> (e.g. custom data entry projection tool dependent on financial data)</td>
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<td>MARS (NOAA)</td>
<td>(NIST TBD)</td>
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<td>(Census TBD)</td>
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<tr>
<td><strong>BI REPORTING</strong></td>
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<tr>
<td>Data universes for Community Powered BI Marts (Ad-hoc Reporting)</td>
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<tr>
<td>• Program Manager</td>
<td>• Grants</td>
<td>• Budget &amp; Spend Planning</td>
<td></td>
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<tr>
<td>• Finance</td>
<td>• HR</td>
<td>• Position Planning</td>
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<tr>
<td>• Budget</td>
<td>• Property</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>• Acquisitions</td>
<td>• Travel</td>
<td></td>
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</tr>
<tr>
<td><strong>Advanced Analytics Features</strong> – With Agile, priorities and plan will be reassessed at the start of every release and adjust as needed (e.g. reporting change journey resulting in other enterprise reporting needs)</td>
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<tr>
<td>• Acquisitions / Agreements 360 Dashboard</td>
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<tr>
<td>• Budget &amp; Spend Planning</td>
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<tr>
<td>• Position Planning</td>
<td></td>
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<tr>
<td><strong>ARCHITECTURE &amp; SECURITY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• AIP Infrastructure: AWS</td>
<td>• AIP Infrastructure: Tableau</td>
<td>• Security: Controls &amp; ATO</td>
<td>• Security: Controls &amp; ATO</td>
<td></td>
</tr>
<tr>
<td>• Security: Controls &amp; ATO</td>
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</tbody>
</table>
Risk Management — Your Role
**Risk** – Potential for loss, harm, or missed opportunity due to uncertainty

**Issue** – A risk that has been realized

**Risk Statement** – Concise statement using IF… THEN…

**Risk/Issue Owner** – Individual responsible for tracking and monitoring risk/issue

**Trigger Date** – Date when risk becomes an issue or date issue must be resolved to minimize further negative impacts to the project

**Response Plans** – Actions needed to mitigate the risk or resolve an issue

**Risk Management Plan** – Document with the processes, tools etc. needed to implement risk management at DOC

**Risk/Issue Registers** – Repository to gather and track risks and issues
Risk/Issue Submission Process

Risk/Issue Submitter/Owner completes the online form.
Risk Lead receives the information, reviews the risk/issue for completeness and relevancy.
Risk Lead contacts the owner and the submitter for additional details/clarification.
Risk Lead enters the risk/issue in the register.

Risk/Issue Update Process

Risk Owner contacts Risk Lead if there are material changes to risks/issue.
Risk Lead contacts Risk Owners monthly for updates.
Risk Lead updates the Risk Register.

• Critical risks
• Risks with upcoming trigger dates
Risks are currently spread across all categories.

<table>
<thead>
<tr>
<th>Risk Category</th>
<th># Risks (10/23/2020)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Budget</td>
<td>3</td>
</tr>
<tr>
<td>Enterprise Data Warehouse</td>
<td>1</td>
</tr>
<tr>
<td>Functional – Core Apps</td>
<td>18</td>
</tr>
<tr>
<td>Integration</td>
<td>2</td>
</tr>
<tr>
<td>Migration (includes data conversion, testing, Go-Live)</td>
<td>14</td>
</tr>
<tr>
<td>Organization Change Management</td>
<td>9</td>
</tr>
<tr>
<td>Program Management (includes resources, schedule, scope, reporting)</td>
<td>23</td>
</tr>
<tr>
<td>Security</td>
<td>5</td>
</tr>
<tr>
<td>Technical (includes hosting, infrastructure, networking etc.)</td>
<td>13</td>
</tr>
</tbody>
</table>
Risk Owner submits information via email to the Risk Lead for closing a risk.

Risk Lead reviews the details.

Risk Lead contacts the owner for additional details/clarification.

Risk Lead enters the relevant information in the register and indicates the risk as closed.
<table>
<thead>
<tr>
<th>Risk Owners</th>
<th>Risk Lead</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accountable for the risk and its impacts, including implementation and performance of the risk response plan</td>
<td>Facilitates the risk management process, assists with identifying risks, logs the risks/issues in the register, and facilitates the risk meetings</td>
</tr>
<tr>
<td>Escalates risk if existing mitigation is not effective or if decisions or additional resources etc. are needed to manage the risk</td>
<td>Provides guidance and technical assistance to BAS risk owners so they have sufficient knowledge and resources to manage their risks</td>
</tr>
<tr>
<td>Provides updates to the risk and participates in regularly scheduled risk meetings</td>
<td>Connects stakeholders and builds support for implementing an evidence-based approach to BAS Risk Management</td>
</tr>
</tbody>
</table>
BAS RISK MANAGEMENT
SOME COMMONLY ASKED QUESTIONS

Why is it important for me to submit a risk?

Is the Risk Submitter the same as the Risk Owner?

If I identify a Training Risk, what category would I put it in?

What’s the best way for me to find out if a risk I want to submit has already been submitted?

If a risk turns into an issue, does it automatically move to the most serious risk in the Risk Register (red in the heat map)?
BAS RISK MANAGEMENT
RISK MANAGEMENT ON THE BAS WEBSITE

https://www.commerce.gov/ofm/bas-homepage/business-applications-solution-bas

Because this is an open website, you may be asked to sign in for security purposes.
Town Hall -
• Program Status Update
• January 25, 2021 (NOAA and NIST)
• January 26, 2021 (Census and HCHB)
HAVE A QUESTION ABOUT THE BAS PROGRAM?

Several ways to get your question answered:

• Use the chat window for this event.
• Type your question in the Menti.com survey – last question.
• *NEW* Use the “Submit a BAS Question” feature in the “Questions about BAS” section of the website.
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.  
  82 87 51 7 (NOAA and NIST)  
  25 58 76 9 (Census and HCHB)
- Answer the question that appears – all responses are anonymous.