Army Financial Information Management

– Mr. Andrew S. Morgan, DASA-Financial Management Information
Army FM Change Enabler

Leverage Technology to Turn the Corner

- Data Analytics
- Automation
- Standardization
- Integration
- ERP Capabilities
- Process Reengineering

- Audit Work
- Correction of Material Weaknesses
- Systems Shortcomings & Redundancies
- Manual Processes Work
- Environment Complexity

WILL ENABLE

Sustaining Audit ✓
Controls and Compliance ✓
Efficient Processes ✓
Reduced Workload ✓
Retired Systems ✓

We are HERE
Need to be HERE
DASA-FIM Strategic Priorities

Enable Army FM Systems into an Integrated Environment
Reengineer business processes, Implement data standards, Leverage ERPs and other innovative technologies, retire legacy systems.

Deliver Big Data Analytics to FM Domain Decision-Makers
Normalize and centralize financial data, Leverage technology platforms such as SAP HANA to power advanced analytics.

Enable Standardization of Financial Information
Implement standard data and processes across the enterprise, make data available to analytical and reporting platforms.

Provide Enablers to Automate Manual Processes
Leverage next-generation technologies such as Robotic Process Automation to reduce errors and streamline manual processes.

Deploy IT Controls and Compliance to Ensure Data Integrity
Centralize and control common business rules, controls and compliance mandates, Ensure accountability to audit and government-wide policy.

Retire Legacy Systems
Develop common capabilities to reduce reliance on legacy systems and platforms, Manage transition to enduring systems and recoup cost savings from system reductions.
Army & OSD-submitted Reforms

Primary Lever: End-to-End Process Optimization
1. Implement Cash Accountability Process & Systems changes:
   1a. Treasury Direct Disbursement (TDD)
   1b. Treasury Collections/Debt Management
   1c. Intragovernmental G-Invoicing solution w/ GFEBS
2. Implement Standard Financial Information Structure (SFIS 10.0 MR)
3. Implement Supplier Self-Service (SUS) across Army

Primary Lever: Automate Manual Processes
4. Implement Robotics Process Automation (RPA)

Primary Lever: Consolidate and Centralize
5. Field Enterprise Universe of Transactions (EUoT)
6. Generate Army-wide Unadjusted Trial Balance (UTB)
Army FM Systems “As-Is” Environment

Legend

Audit Relevant

Army FM

Defense Non-FM

Federal (non-Army / non-DOD)

Manual Input

215 systems impacting Financial Management operations

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### FM Systems Portfolio

<table>
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<tr>
<th>Army Domain</th>
<th>Army</th>
<th>Non-Army*</th>
<th>Total</th>
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<td>Acquisition</td>
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<td><strong>83</strong></td>
<td><strong>215</strong></td>
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</table>

*Non-Army includes DoD, Federal and commercial

FIM maintains oversight over the 73 Army financial management systems
Simplified “To-Be” Architecture

- Single query collects data from ERPs near real-time
- Robust Cost Analyses & Allocations
- Consolidated financial accounting and budget reports
- 80% Reduction in Portfolio Size
- Greater FISCAM Compliance
- Audit Data Collected in seconds not weeks
- Reduced # of Interfaces Via Hub-and-Spoke
- Billions of transactions queried at sub-second speeds
GFEBS & GFEBS-SA

Accenture Transition Out

IBM Transition In

Final Accenture Release
- Posting Logic (Invalid GLAC 4210, GLAC 110 Posting
- Real Property Audit Fix (SFFAS 6/50)
- SFIS 10 MR
- Self MIPR Process
- GRC Process Controls

Q3 FY18 Release
- Audit Requirement (DP96 Report)
- Small break/fix items

Q1 FY19 Release
- Audit Requirement (Posting Logic, etc.)
- Debt Management
- TBD high priority items

Q2 FY19 Release
- TBD high priority items

Q3 FY19 Release
- TBD high priority items

GFEBS-SA Deployment
(revised)

GFEBS
DHA
HQ/USUHS
Deployment

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Cost Avoidance via Legacy System Retirement

Funding ERPs and Critical Audit Related System Change Requests (SCRs) Enables the Retirement of Legacy Systems which Leads to Audit Success
Implement Capabilities to Retire Legacy Systems

Orphan Capabilities

*GFEBS Inc. II may roll back into the GFEBS funding plan
Consolidate Datasets for Audit and Data-driven Decision Making

- Centralized Army-wide Business Analytics Engine
  - Powers the consolidation, transformation, reconciliation and reporting up to the dashboards layer
  - Enabled by SAP HANA/S4
  - Foundation of all Army analytics

- Army-wide data sources:
  - GFEBS
  - LMP
  - GCSS-A
  - ePROBE
  - Legacy Systems (SOMARDS, STANFINS, etc.)
  - Financial Feeder Systems
  - Manual, Spreadsheets

- Multiple business intelligence tools and reports populated by a standard universe of data from a centralized analytics engine
iUoT to EUoT Transition Timeline

**EUoT Outcomes:**
1. Retire iUoT
2. Generate an Army-wide Unadjusted Trial Balance [UTB]
3. Support audit sampling and prepared-by-client requests [PBC]
4. Automate system reconciliations
5. Provide financial audit analytical capabilities into cross-domain business processes
Army Robotic Process Automation (ARPA) is a high-impact, low-cost, quick-to-implement capability that delivers improved mission focus, enhanced controls, and high return on investment in the following ways:

- Emulates human execution of repetitive processes via existing user interfaces and systems.
- Robots are a virtual workforce to automate simple repetitive processes.
- Works with existing infrastructure and is governed and controlled by DASA-FIM.

**Army Robotics Process Automation**

- 24/7 Automated solution can work 24/7
- 100% Consistent
- 100% 100% accuracy

**Automate Manual and Repetitive Processes**
Robotic Process Automation (RPA) Overview

Bob’s Needs:
Technological / Operational

- Computer Access
- LAN Access
- PKI Credentials
- System-specific Roles
- Virtual environment
- System Access (GFEBS, GRC, EDA)
- Bob needs to be “taught” by a Human
- RPA Software (UI Path)
- Bot controllers monitored by Humans (not bots)

- Segregation of Duties
- Process Reconciliations
- Access Control
- Reimbursable Eliminations
- Joint Reconciliation Program (JRP) / Tri-Annual Review

Bob’s Capabilities
- Works 24x7
- Automated Data Entry
- Multi-system Access
- Processing business rules
- Data Validation/Quality

Bob’s Needs:
- User Experience
- Segregation of Duties
- Process Reconciliations
- Access Control
- Reimbursable Eliminations
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Bob’s Capabilities
- Works 24x7
- Automated Data Entry
- Multi-system Access
- Processing business rules
- Data Validation/Quality
All systems – FM or otherwise – **must** be compliant to IT Control Requirements (e.g. FISCAM, FISMA, FFMIA, A-132, PKI, PIA, RM, etc.)
Questions?
Closing Remarks