

What does a 21st century USAF Financial Management (FM) Office look like?

Below showcases some of the capabilities, use-cases, and results expected ...

Capabilities

- Procure Commercial off-the-shelf (COTS) Software (SW)
- Minimum COTS SW requirements:
 - Prescriptive Analytics: "...provides organizations with recommendations around optimal actions."
 - Automation: "...machines can mimic human tasks and repeat the actions once humans define the machine rules (e.g., 'digital worker')."
 - Artificial Intelligence (AI): "...most complex level of automation. Machines can 'learn' and make decisions based on past situations they have encountered and analyzed."
- Security: 24/7 Encryption of data

Aligns with USAF/FM Strategic Plan FY22-26

Acquisition Plan & Affordability

- COTS SW Solutions: Bidders to invest indirect dollars
- Leverage defense industry SW investments

See Attached: Solution Providers & Opinion Piece on Career-Field

- Bullet Background Paper:
 - Financial Management & 21st Century Technology
- Strategic Leadership Paper:
 - United States Air Force Financial Management Career Field

Use-Cases

- Exploiting Structured and Unstructured Data:
 - e.g., PDF to Excel: Creating automated tools that take structured data and convert and transfer the data into a database or MS Office format (e.g., converting contract modifications in to structured datasets)
 - e.g., SharePoint/Email: Utilizing AI to search, capture, & format data
- Planning Choices:
 - Enter and track requirements (cradle-to-grave)
 - Ease of re-alignments due to budget changes and/or other priorities
 - Incorporating cost and schedule (viability) (i.e., utilization of contractor deliverables and schedules into data models to assure/backup numbers to include independent cost models)
- Execution:
 - Ability to exploit 'Planning Choices' data and external accounting data to measure progress verse plan
 - Creating execution plans utilizing past actuals and or mix of data models
- Knowledge/Data Management:
 - Continuity captured. Repetitive tasks less demanding.
 - Yearly Budget and Execution Drills fed and delivered via single tool
 - Capturing all data attributes. Will feed models and reporting.
- Human Capital:
 - Each member will have unique node where their customers, organizational, and personal requirements will be fed to them (i.e., focused time management, less distractions)

Cost Assumptions

(...based on 1-MAJCOM and 15-subordinate bases):

- 5-year plan to infuse technology
- Reduction in required FTEs due to infusion of technology
- FTEs Levels (Before infusion): MAJCOM ~30 FTEs each / Bases ~30 FTEs each
- FTEs Levels (After 5-Years): MAJCOM ~20 FTEs each/ Bases ~20 FTEs each
- # of Licenses: Initial SW Distro: MAJCOM ~10 perpetual each / Bases ~10 each
- # of Licenses: After 5-year w/ tech inclusion: MAJCOM ~5 each / Bases ~ 5 each
- Licenses: Unlimited customer read/export (view data only) via Cloud Based Server

Results

- Approximate Cost / Savings / Return-On-Investment (ROI) / Breakeven (Over 20-years) (i.e., based on 1-MAJCOM and 15-subordinate bases):
 - Enhance DEAMS and CCaR (Export/Import into COTS tool)
 - MAJCOM (aka Data Mothership) / Data Center
 - Host roadshows of technology/seek input/recruit
 - Approximate #'s for 1-MAJCOM (Over 20-years)
 - License Cost (1-MAJCOM & Bases): \$64M
 - Labor Cost:
 - Before Tech Infuse: \$484.8M
 - After Tech Infuse: \$363.6M
 - Gross Savings: \$121M / Net Savings: \$56.8M
 - ROI: 88% / Breakeven: 10-Years
 - Approximate USAF-wide (#9-MAJCOMs) (Over 20-years)
 - Net Savings: \$56.8M x 9 = \$511.2M
- Human Capital:
 - Re-vector staffing / Data focused Culture
 - No more manual 'mind-numbing' tasks
 - Data architecting, proactive data collection, & simulation
 - Enhanced decision making skills & technical knowledge
 - Objective employee 'score-cards' on performance (e.g., supporting customers and meeting quarterly/yearly MAJCOM goals)
 - Enhance external recruiting (i.e., more diverse)
 - Better aligned with Reserve Model (i.e., flexibility, civilian knowledge exploitation, staffing ramp-up/down, more value-add service)
- Taxpayer:
 - Improved ROI of taxpayer funds
- Audits & Metrics:
 - Available on demand
- Continuous Improvement & Counter Group-Think:
 - Cooperative Research and Development Agreement (CRADA): diverse commercial companies, 3-yr agreements, MAJCOM ownership & requirement-holder engagement (i.e., viability)