Transforming Cost Estimation Services

ICEAA 2022 Professional Development & Training Workshop

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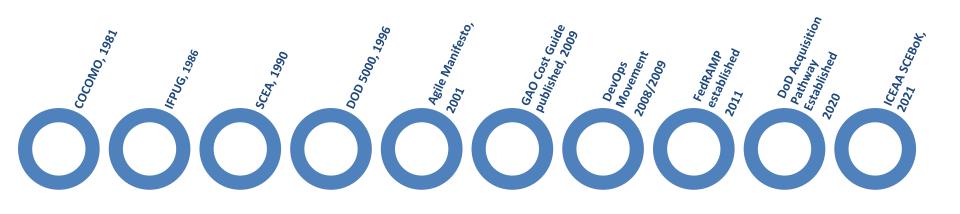
Agenda

- Major Events in Acquisition
- Cost Estimation Challenges
- Cost Estimation Trends
 Leading to Transformation
- Case Study
- Summary





Presented at the 2022 ICEAA Professional Development & Training Workshop: www.iceaaonline.com/pit2022 Notable Milestones in Cost and Acquisition



Over the last 20 years, federal acquisition has shifted from largescale investment to iterative technology projects and emphasis on SaaS and COTS. The cost community needs to continue to evolve to reduce estimation cycle times.



Cost Estimation Challenges



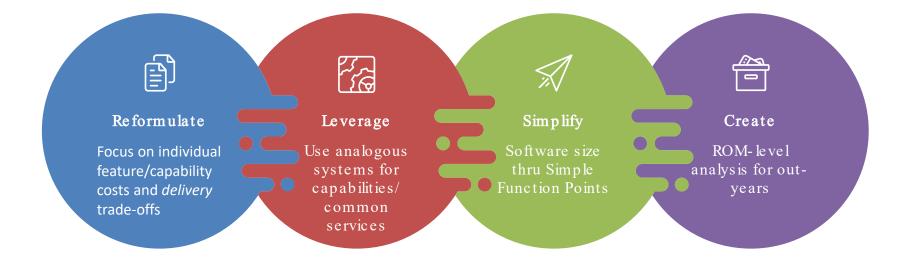


Changing practices in the cost community are leading to transformation...



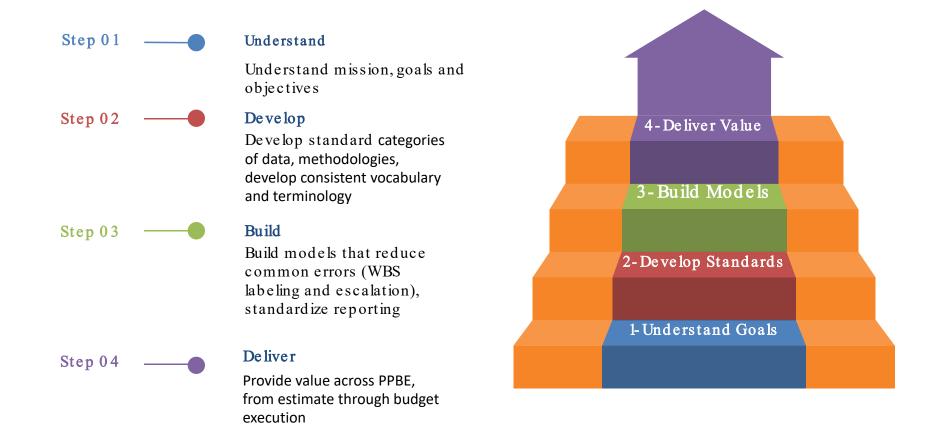
Present Change A Estimation Methods Meet 12022 Needs of Agile Projects

Agile Development requires a unique estimation approach



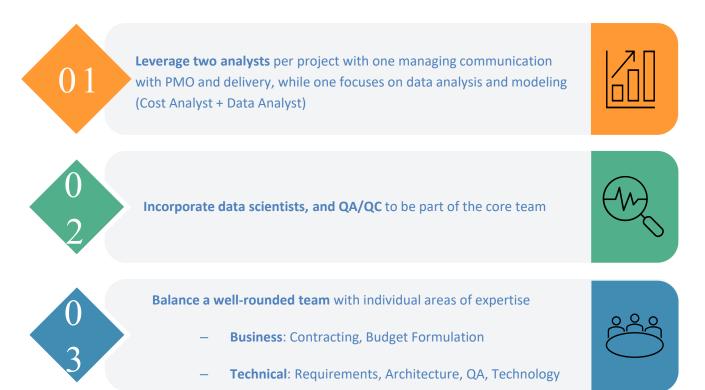
Process Improvement

Processes should represent core values and principles





Cost Team structures can influence transformation





Train to Understand Technology

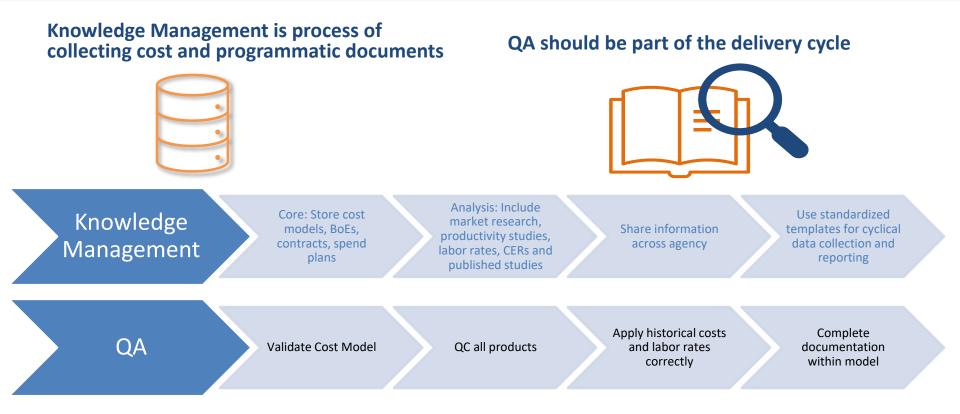
Upskill the organization beyond cost processes

- Data Visualization
- Sost Estimation
- Project ManagementPlanning





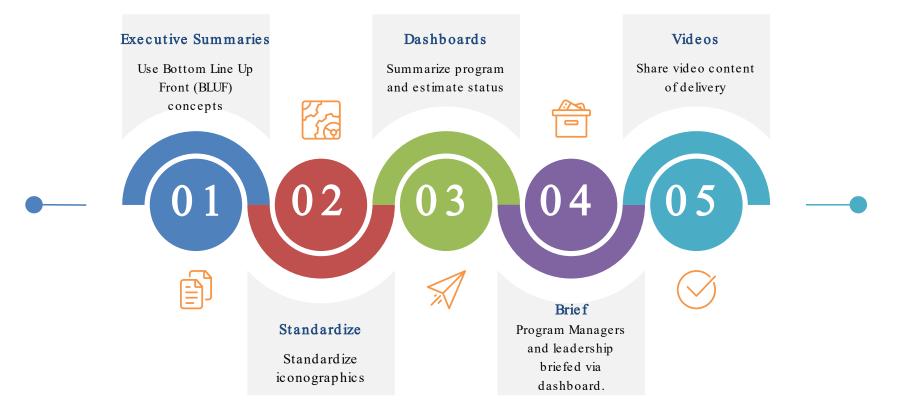
Knowledge Management and QA





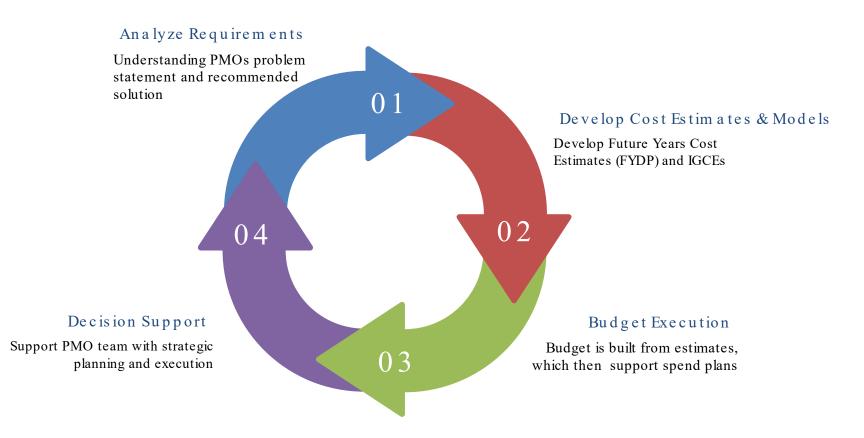
Simplify Deliverables

Estimators should transition from 20th century Basis of Estimates to modernized deliverables





Cost Analysis = f(PPBE)





DoD Case Study

Challenge

- POM cycle estimation process was ad hoc and time consuming
- Estimates not aligned to budgets and spend plans
- Cost team not part of quarterly in-progress reviews
- High error rate in cost models (escalation math errors, inconsistent use WBS terminology)

Approach

- Standardize and simplify deliverable to align to program objectives
- Add cost modeling SMEs to train and mentor
- Train entire staff on estimation best practices and model development
- Standardize cost reports

Results

- Standardized cost modeling process
- Established CFO guidance for POM process
- Developed cost estimating/financial management dashboards
- Standardized briefing templates
- Established QA/QC business processes

Lessons Learned

- Continually engage with PMO staff and leadership to ensure common understanding of the team's business value
- Operationalizing cost analysis across entire PPBE framework
- Implement continuous learning for professional growth (strategy & decision support)

