



LS TECHNOLOGIES, LLC

Systems Engineering-2025 (SE-2025)

Resume Template

Cris Shaw

703-628-4000

600 Maryland Ave SW STE 500E Washington, DC 20024

cshaw@cobec.com

Proposed Position: TBD

Background

Mr. Shaw is a cost estimator with over twenty-five years of experience in cost estimating, operations research, financial management, program management, and government acquisition. He has led teams and delivered a wide range of products including Life Cycle Cost Estimates (LCCE), Agency Cost Positions (ACP), Independent Government Cost Estimates (IGCE), and Analysis of Alternatives (AoA). Mr. Shaw has supported projects going through Design, Development, Production and Operations & Maintenance phases for a variety of clients including the Federal Aviation Administration (FAA), National Aeronautics and Space Administration (NASA), Department of the Army, National Reconnaissance Office (NRO), Defense Intelligence Agency (DIA), National Geospatial-Intelligence Agency (NGA), Department of Homeland Security (DHS) and Department of the Navy.

Work History & Professional Accomplishments

Cobec Consulting, Inc.,

Federal Aviation Administration (FAA)

July 2017 – Present

Associate Director

- Supporting FAA Wind and Wave Evacuation and Survival (WiWAVES) program as business case lead responsible for coordinating and delivering the cost and benefits artifacts required for the Joint Resources Council (JRC) Final Investment Decision (FID) strategy decision. Updating LCCEs, benefits analyses, and implementation schedule in support of the Civil Aerospace Medical Institute's training, education, and research missions based on Type B architectural documents
- Prepared risk-adjusted cost estimates for the Enterprise Information Display System (E-IDS) legacy case for the FID including collecting data, analyzing inputs, and reviewing results
- Supported proposal evaluations, authored Quantitative and Qualitative Technical Evaluations, and created multiple cost estimates for the E-IDS and Time-Based Flow Management (TBFM) programs
- Conducted business case analysis, including cost, benefit, and shortfall analysis on the FAA National Airspace System Voice System (NVS) program
- Developed Air to Ground Media Gateway (AGMG) cost estimate to support the Final Investment Decision (FID) along with the IGCE to support contracting action
- Lead development and implementation of Corporate Social Responsibility (CSR) committee to enhance and serve the communities in which we live and work
- Support overall corporate growth through opportunity capture, proposal writing activities and interviewing candidates



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- Support branding and marketing activities by reviewing material before publication/posting, analyzing social media impact and developing word clouds to represent the company visually
- Supported professional growth by teaching internal training sessions, supporting re-write of ICEAA's Cost Estimating Body of Knowledge, and presenting briefings at a national conference and regional luncheon

Booz Allen Hamilton

March 2009 – July 2017

Lead Associate/Senior Associate

- Supported Department of the Army Direct Reporting Program Manager Positioning, Navigation & Timing (PM PNT) through early development activities, preparations for Milestone A & B and towards reclassification as multiple Acquisition Category programs comprising a system of systems; Applied experience with Defense Acquisition processes while developing estimates for funding requests and to support approval of acquisition strategy; Developed cost estimates and budget submissions for PNT Emerging Capabilities Office including hardware development, platform integration and quick-response fielding
- Led a team developing a Business Case Analysis for consolidation of multiple NASA Goddard Space Flight Center Mission Operations Facilities into a centralized operations center; Study included identification of impacted mission programs, development of a representative data set, analysis of impacted stakeholders, research of industry best practices, structuring benefits and risk frameworks, identification of benefits and risks, development of a LCCE and presentation of recommended solution
- Led a team updating NASA's 2013 Cost Estimating Handbook for the Cost Analysis Division; Responsible for creating new subject material and consolidating input from various authors and sources; Handbook covered the entire cost estimating process including Risk Assessments, Data Normalization, Trade Studies, Business Case Analyses, Cost As an Independent Variable (CAIV), Activity-Oriented Estimating and Earned Value Management
- Supported NRO Cost and Acquisition Assessment Group (CAAG) in developing cost estimates, conducting data normalization and developing cost estimating relationships (CERs); Supported NRO's Industry Partner Access (IPA) program in developing Business Case by analyzing alternatives, developing break-even analysis and calculating the return on investment for activities associated with retrieving vs. retiring deployed equipment and developed the cost allocation model to link support costs to user requirements based pre-determined thresholds
- Conducted independent cost and funding review of United Arab Emirates (UAE) Space Agency's (SA) Mars Mission by drawing on NASA and NRO cost estimating experience; Analyzed projected costs with regard to overall program schedule and developed payment plan linking costs to specific activities and milestones; Recommended best practices for SA to capture historical data and apply to future missions
- Managed DIA Programming Assessment Office's Cost Assessment Branch development of LCCEs and IGCEs and delivered results to senior leadership including the Under Secretary of Defense for Intelligence (USD(I)) and the Office of the Director of National Intelligence (ODNI); Managed multiple DIA Agency Cost Positions that were briefed to



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the DIA Chief Financial Executive (CFE) and delivered to the ODNI Cost Analysis Improvement Group (CAIG); Led team of cost analysts supporting the Zero-Based Review (ZBR) while providing input and guidance on the prioritization process and the overall ZBR approach and implementation

MITRE Corporation

January 2004 – March 2009

Senior Economic and Business Analyst

- Led cost group supporting the DHS Office of Cyber Security and Communications National Cyber Security division with focus on the development of LCCE and IGCE
- Advisor to the source selection evaluation team for NGA New Campus East (NCE) Active Information Technology (AIT) program office; Analyzed and evaluated cost data from development contractors to install and provide support to the NCE IT infrastructure; Evaluated proposed contractual pricing scenarios over multiple contract durations resulting in an overall cost evaluation team recommendation to the Source Selection Board; Developed and implemented program control best practices while overseeing financial management processes and the submission of the OMB Exhibit 300
- Supported Congressionally mandated Independent Assessment of the NGA GeoScout program including a comprehensive review to identify major program risks related to the Government's and prime contractor's roles
- Supported the DHS US-VISIT Program Office as an advisor to the source selection evaluation team; Analyzed and evaluated cost and pricing data from development contractors for implementation of proposed technical solution; responsible for the development of an Economic Impact Analysis, Cost Benefit Analyses, LCCEs, Cost Analysis Requirements Description, and Office of Management and Budget Exhibit 300 submission in support of Business and Finance Director

Department of the Navy

June 1995 – January 2004

Operations Research Analyst

- Provided cost analysis and estimating support for ACAT I & II equivalent Navy programs in early concept research and development phases
- Conducted cost analysis and estimation of material, labor, and overhead costs in support of independent studies, LCCEs, program budget development, contractor performance measurement, proposal evaluations, and cost data collection; Used analysis proposed costs to support face-to-face contract negotiations with prime vendors and subcontractors.
- Presented estimates and analysis through oral and written reports to Navy resource sponsors, program managers, and senior Navy management

Education

- University of Pittsburgh, Pittsburgh, PA (1993), Bachelor of Science in Industrial Engineering
- Virginia Polytechnic Institute and State University, Blacksburg, VA (1996), Master of Science courses in Systems Engineering course (non-degree)
- George Washington University, Washington D.C (2003), Master of Business Administration courses (non-degree)



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Professional Certifications

- Certified Cost Estimator/Analysis (ICEAA): 2014 – present
- Level III Certified Business, Cost Estimating, and Financial: 1999 – present Management (DAWIA)
- Level II Certified Program Management (DAWIA): 1999 – present

I, Cris Shaw do attest that the above information is true and complete.	
Signature: <i>Cris Shaw</i>	Date: 09/10/2020



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Conflict of Interest Disclaimer

Do you have a personal conflict of interest related to the work required by this task? Circle (Yes or No)

“Personal conflict of interest” means a situation in which a covered employee has a financial interest, personal activity, or relationship that could impair the employee’s ability to act impartially and in the best interest of the Government when performing under the contract/task. Sources of personal conflicts of interest include:

- (i) Financial interests of the covered employee, of close family members, or of other members of the covered employee’s household;
- (ii) Other employment or financial relationships (including seeking or negotiating for prospective employment or business); and
- (iii) Gifts, including travel.

If yes, please provide details, either below or on a separate document.

By signing below, I certify that I have no conflict of interest relative to the work required by this task.

____ *Cris Shaw*
Signature

____ Cris Shaw _____
Printed Name

____ Cobec Consulting _____
Company

____ 09/10/2020 _____
Date

THIS CERTIFICATION MUST BE COMPLETED ON AN ANNUAL BASIS.