

THE WORTHINGTON GROUP AVIATION

Aviation Advisory · Government & Industry

CAPABILITY STATEMENT

REV 2.0 | 2026

SAM.GOV REGISTERED

UEI: K9HNP7E3K6

CAGE: 202Y9

Dr. Robert Worthington, DBA, MBA, BS — Founder & CEO

Commissioner, Maryland Aviation Commission · Board Member, BAZA · 30+ years ATC, ops & advisory

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CORE CAPABILITIES

01 Executive Aviation Advisory

Strategic aviation consulting for federal, state, and commercial leadership. Organizational and operational transformation.

02 Aviation Safety & SMS

SMS assessments, safety culture & risk evaluation, compliance & regulatory advisory for FAA-regulated environments.

03 Airspace & Operational Strategy

NAS integration & optimization, ATC operations insight (tower, TRACON, en route), modernization strategy.

04 UAS / AAM Strategy

UAS / AAM integration, policy & framework advisory, airspace & infrastructure planning for emerging operators.

KEY DIFFERENTIATORS

- Direct air traffic control operational expertise
- Board-level aviation governance (MAC + BAZA appointments)
- Data + strategy integration — DBA / MBA analytical discipline
- GovCon-ready structure — SAM.gov registered, FAA eFAST
- Principal-led, network-scaled delivery via teaming partners

FEDERAL POSTURE

UEI:	K9HNP7E3K6
CAGE:	202Y9
NAICS (Primary):	541611 · 541618
NAICS (Secondary):	541690 · 488190
Business Size:	Small Business
Socioeconomic:	SDVOSB / VOSB in process · 8(a) submitter

PROPRIETARY METHODOLOGY



Operational Complexity Framework (OCF)

TWGA's proprietary methodology for measuring operational burden. Evaluates 10 domains and 100+ indicators to produce the Operational Complexity Index (OCI) on a 0-100 scale.

Named Components:

- Operational Complexity Index (OCI) - 0-100 score
- Operational Saturation Threshold (OST) - risk signal
- Aviation Operational Saturation Model (AOSM)
- Maturity Model - 5 levels: Reactive to Resilient
- Assessment Engine - 6-step methodology
- Executive Deliverables - heat map, dashboard, briefing, roadmap

REPRESENTATIVE EXPERIENCE

All experience reflects the direct performance of Dr. Robert Worthington, Founder & CEO, TWGA. Contract references on request.

National Airspace System (NAS) Data Integrity & Aeronautical Information Support

- Supported FAA Aeronautical Information Services (AJV-5) mission operations
- Performed data validation, QA, and integrity checks on aeronautical datasets
- Applied Safety Management System (SMS) principles to mitigate risk
- Contributed to accurate charting, flight procedures, and NAS data reliability

Result: Strengthened data quality supporting safe and efficient NAS operations

Airport Operations & FAA Part 139 Compliance — BWI

- Conducted airfield inspections (runways, taxiways, facilities)
- Led compliance activities aligned with FAA Part 139 & TSA requirements
- Coordinated across ATC, maintenance, and regulatory stakeholders

Result: Sustained compliance and enhanced operational safety performance

Air Traffic Control Operations — High-Reliability Environments

- Managed real-time air traffic in dynamic, high-tempo environments
- Applied FAA separation standards and coordinated with pilots/facilities
- Maintained continuous situational awareness under pressure

Result: Delivered safe, efficient aircraft movement across complex airspace systems

Aeronautical Data Systems & Procedure Support

- Evaluated and maintained aeronautical databases and system inputs
- Supported procedure development, charting, and system validation
- Coordinated technical reviews to resolve discrepancies

Result: Improved data accuracy and national-level system consistency

Emergency Operations & Interagency Coordination — Haiti Relief

- Supported multi-agency aviation response operations
- Coordinated with USAF, Red Cross, and federal/state partners

Result: Enabled effective humanitarian airlift and crisis response operations