

Skymanatics is a U.S. small business dedicated to modernizing the nation's most critical government systems. We are a trusted partner to federal agencies, delivering robust systems engineering, enterprise architecture, and data-driven solutions that enhance national security and public service. Our agile, multidisciplinary teams leverage deep domain expertise to solve complex challenges in air traffic management and federal enterprise systems. We bridge the gap between legacy infrastructure and next-generation technology, ensuring our government partners can meet the demands of a rapidly evolving digital landscape.

## COMPANY DATA

**Small Business Administration (SBA) 8(a) certified business**

**UEI:** T9PWJAU6RXXK5

**CAGE:** 7CAH9

**eFAST MOA:** DTFAWA17A-00059

**GSA S3 Contract:** 47QTCB22D0349

**NAICS:** 541990, 541330, 541370, 541511, 541512, 541513, 541519, 541611, 541618, 541690, 541715, 611420, 511430, 611710, 561210, 561410, 561499

## CORE COMPETENCIES

- > AI-Powered data analytics and Geospatial intelligence
- > Enterprise test automation and Synthetic data generation
- > Data governance, security and provenance
- > Agile and DevSecOps for Mission-critical software
- > Systems engineering for Digital modernization
- > Data modeling and Exchange standards
- > Secure Cloud architecture and Modernization



**Exit date: February 2029**

## DIFFERENTIATORS

- > **Proven Prime Contractor Performance:** Successfully managing and delivering large-scale, enterprise-wide AI-driven software development programs for the IRS, ensuring projects are completed on time and within budget.
- > **Pioneering Vision for new Government Services:** We are actively developing the foundational concepts, like the National Airspace System (NAS) Flight Object and Flow Object, and next-generation enterprise testing while protecting citizen data.
- > **Leveraging AI for Transformative Solutions:** Utilizing Artificial Intelligence and Machine Learning not just as a service, but as a core component of our solutions to automate complex processes, generate high-fidelity synthetic data, and unlock deeper analytical insights.
- > **Commercial Solutions from Federal Innovation:** Translating federally-funded, mission-proven technologies into robust commercial products for data governance, scenario planning, and transport optimization.

## PAST PERFORMANCE

- > **Federal Aviation Administration (FAA):** Key subcontractor on SE2025 providing systems engineering and concept development for NextGen. We are maturing the Flight Object concept to create a unified picture of all flights, developing the new Flow Object and FLXM to standardize traffic flow data, and implementing critical data governance and security controls (SUI).
- > **Internal Revenue Service (IRS):** Prime contractor for the Enterprise Systems Testing (EST) Simulation Engine. Delivered a groundbreaking AI/ML platform to generate reliable synthetic tax data for testing ~200 applications, protecting taxpayer privacy while ensuring system reliability.
- > **Embry-Riddle Aeronautical University:** Support FAA NextGen R&D programs (Mini Global, UAS TBO, 4DT, IIH&V) in the Florida Test Bed
- > **NASA Glenn Research Center:** UAS integration in the NAS, SMART NAS airport sharing architecture, ATM-X in Urban Air Mobility, and Increased Diverse Operations
- > **Dept of Energy:** Sensor-based computing for Internet of Things
- > **Open Geospatial Consortium (OGC):** OGC Disasters Pilot 2021 and 2023, Open Routing API Pilot, Indoor Mapping and Navigation Pilot, Machine Learning Thread for Testbed 15 and 16, Aviation Thread Architect for Testbeds 12, 13, 14, 16, 17 and 18