



# System Wide Analysis Capability Task Award

**Metron Aviation, headquartered in Herndon Virginia has received a System Wide Analysis Capability (SWAC) Follow-on Task Award from the Federal Aviation Administration (FAA), covering a two-year period.**

At the forefront of simulation and analysis tool development, Metron Aviation developed SWAC—a fast-time, system-wide simulation model created in collaboration with the FAA—to support cost-benefit analysis performed by the FAA Office of Systems Analysis & Modeling (ANG-B7) to evaluate the impact of future National Airspace System (NAS) improvements.

The scope of the award covers software development and testing, including supporting mathematical analysis to enhance the FAA's simulation models.

Background: The FAA continues to modernize its Air Traffic Management (ATM) system. This ongoing effort is composed of a suite of complex, interacting programs that deliver new capabilities to the NAS, allowing the FAA to analyze the system-wide impact of these capabilities to aid in its decision-making. FAA ANG-B7 develops and maintains numerous analytical tools and models to support data-driven decisions and support the analysis needs for advanced ATM concepts, including Time-Based Flow Management (TBFM), Performance Based Navigation (PBN), and Trajectory Based Operations (TBO).

This Task Award encompasses continued software development of the system-wide simulation models used by FAA ANG-B7.

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