

## SME Consulting Services

WxOps personnel are available as Subject Matter Experts (SME) in their areas of expertise.

**Mr. Mark D. Spence** – Dispatch operations, primarily in the area of Airline Operational Control (AOC). Forensic studies for post-event aviation incident analysis. Procedures and recommendations for aviation safety and aviation incident prediction, avoidance and recovery.

**Dr. Scott T. Shipley** – R&D in weather operations, weather data product creation and transmission, and digital data provision and communications with Electronic Flight Bag (EFB) systems.

## Sole Source Contract Vehicles

WxOps completed innovative research under NASA SBIR program.

NASA SBIR 2015-1 A3.03-8717, Transported Turbulence during Climb, Cruise and Descent, PI Gary Ellrod, NASA Contract NNX15CA60P.

NASA SBIR 2016-1 A3.03-7315, Integration of 4D Airline Operation Control Systems into NextGen and the NAS, PI Dr. Scott Shipley, NASA Contract NNX16CA30P.

## WxOps Patent Licensing

Shipley, S.T. and M.D. Spence (2018) Common Operating Environment for Aircraft Operations with Air-to-Air Communications, US Patent No. 9,916,764B2.

Shipley, S.T. and M.D. Spence (2017) Electronic Flight Bag (EFB), US Patent No. 9,672,747.

Shipley, S.T., M.D. Spence, and G.P. Ellrod (2017) Transported Turbulence, US Patent No. 9,564,055.

## Weather & Logistics Information Services

WxOps provides custom real-time weather data products to point of use, including supporting data for situational awareness, transportation safety, and efficiency.

## NAICS Codes

541330	Engineering Services
541360	Geophysical Surveying and Mapping Services
541511	Custom Computer Programming Services
541614	Process, Physical Distribution, and Logistics Consulting Services
541618	Other Management Consulting Services
541690	Other Scientific and Technical Consulting Services
541715	Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)
541990	All Other Professional, Scientific, and Technical Services

<eof>