

## WxOps® Origin

WxOps, Inc. was formed on July 11, 2010 as a Corporation in the State of Hawaii to provide weather and logistics support services to Government and Commercial customers worldwide. The WxOps brand was derived from shareholder corporations WxAnalyst® and SystemOperations™. The guiding goals and purpose for WxOps draws heavily on a White Paper for Aviation Safety prepared for the FAA Chief Aircraft Architect, see Shipley, Spence, et al. (2010). WxOps enjoyed a twelve-year contractual relationship with Hawaiian Airlines supporting Dispatch, Maintenance and Fuel Efficiency operations, and is proud of the zero-incident record achieved by Hawaiian Airlines during that period.

## WxOps® Resources

WxOps moved to the State of North Carolina on 25 October, 2016. Developed and licensed cockpit weather/logistics applications for Hawaiian's Electronic Flight Bag under the OpsTablet® Trademark. Developed advanced techniques for Aviation Safety under two Small Business Innovation Research (SBIR) grants with NASA. Teamed with InMarSat to promote satellite communication applications for aviation operations, which is summarized in an invited WxOps presentation to Inmarsat Aviation Conference in Chengdu, China, see Shipley (2019).

WxOps intellectual property is detailed and protected under three patents, which are available for licensing, US Patents 9,564,055 (2017), 9,672,747 (2017) and 9,916,764 (2018).

## References

Shipley, S.T., M. Spence, R.D. Cox, A. Peterlin, and T.T. Lennon (2010) Virtual Globe Technologies for Aviation Weather Operations, A White Paper prepared for Stephen P. Van Trees, Chief Aircraft Architect, Aviation Safety, FAA.

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.

Shipley, S.T. (2019) Benefits of Connectivity through SB-S Based Applications, Conference on Aviation Safety and Digital Communications, Inmarsat invited presentation, Chengdu, China.

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