



LS TECHNOLOGIES
A TETRA TECH COMPANY

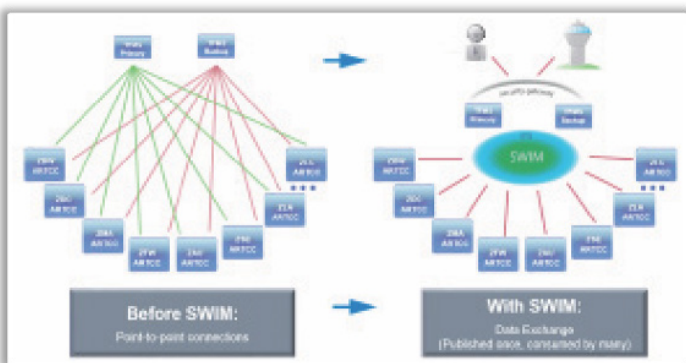
INFORMATION MANAGEMENT

SWIM offers the aviation community a single point-of-access for real-time, relevant, and reliable aeronautical flight, and weather information so users can respond faster and more accurately.

LST supports the FAA with a full range of information management services including planning, analysis, and development of policies and governance, exchange models, and information management infrastructure. Our staff drafted ICAO concepts such as the Global A/G System Wide Information Management (SWIM) Concept of Operations (CONOPS) and assisted in the development of the International Civil Aviation Organization (ICAO) Information Service Concept in support of information exchange architecture and governance topics, ICAO Trajectory Based Operations (TBO), and ICAO SWIM Manual.

SWIM is comprised of the standards, infrastructure, and governance used to disseminate flight, weather, and aeronautical data products from several FAA programs (Traffic Flow Management System [TFMS], Time Based Flow Management [TBFM], SWIM Terminal Data Distribution System [STDDS],

Weather and Radar Processor [WARP], Weather Message Switching System [WMSCR]) Prior to SWIM, data could only be exchanged between systems via point-to-point interfaces.



LST is helping define the future of SWIM internationally. We assist in further improving the guidance for information services and SWIM performance characteristics. While supporting the ICAO Information Management Panel (IMP), we analyzed the flight information exchanges required for ICAO Operational Concepts, including FF - ICE Step 1. LST enables SWIM's innovative approach of providing enterprise information for industry to consume and analyze, based on their own business rules and benefits, to further its investments in external-facing tools.

LST's active engagement with the aviation industry for concept and prototype development enables airlines and other information consumers to define and develop their automated tools.

Coordinating with 29 programs, supporting 17 successful AMS investment decisions. We assist with Systems Engineering (SE) artifact development, review, and approval coordination. LST

LST Quick Facts

400+

Telecom and Engineering professionals

ISO 9001:2015

Certified

GSA Schedule

Contract #47QRAA22D004G

assisted with the integration of the FAA Enterprise Information Management (EIM) Platform into the AMS product guidance documents and program office SE processes. As proof of concept, LST designed a methodology to integrate EIM data across all enterprise SE artifacts.

UAS in the NAS - LST supported the FAA in developing and implementing Flight Information Management System (FIMS) to support UAS operations, by providing a means for UAS operators to notify the FAA prior to operating in the NAS. FIMS is a central component of the system providing the FAA with access to UTM data. As UAS use increases in the NAS, it has become essential for the FAA to develop a means to accommodate these operations in a safe and efficient manner.