

OPERATIONAL AND SUPPORTABILITY IMPLEMENTATION SYSTEM (OASIS)

General Aviation Flight Planning Services in Alaska

OASIS supports the unique mission of flight services in Alaska, where it has been operating since 2007.

ABOUT OASIS

OASIS integrates real-time weather and flight planning data through a PC-based system that overlays flight routes onto up-to-the-minute weather graphics. By processing and displaying alphanumeric weather and flight data, OASIS provides an integrated electronic flight strip display.

The system also provides enhanced search and rescue capabilities, using a universally integrated Master Contract and Master Flight Plan database.

As a managed service, OASIS ensures low-risk, cost-effective modernization of the Federal Aviation Administration's technology infrastructure in Alaska and leverages the experience gained from other programs.



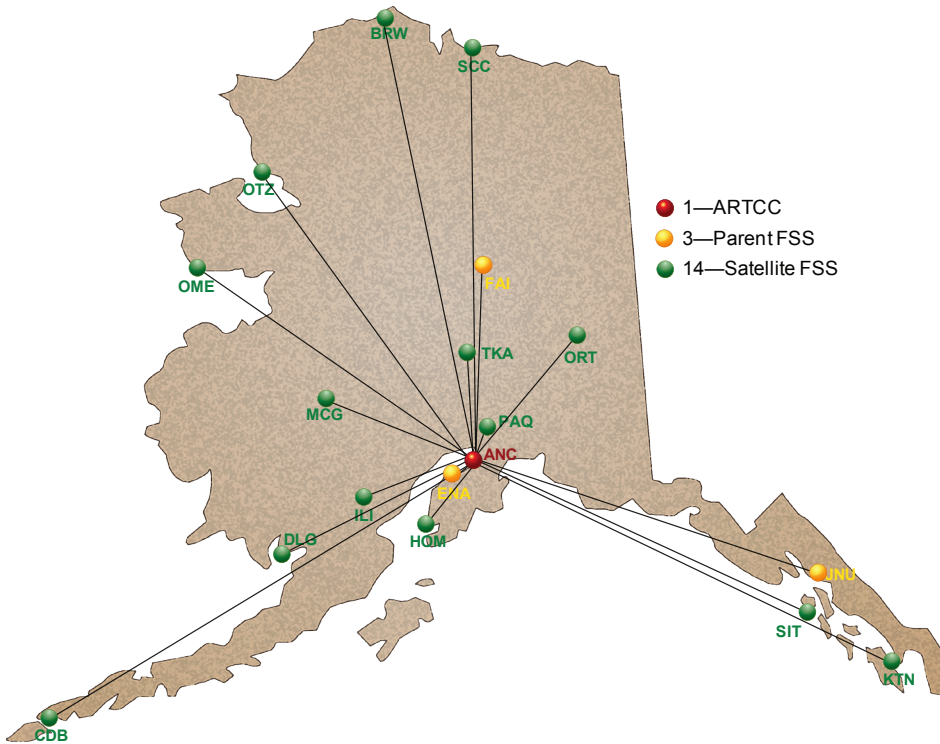
BENEFITS

- > Integrated ICAO/domestic flight planning with real-time weather briefings
- > Flight routes overlaid on up-to-the-minute weather graphics
- > Enhanced NOTAM message delivery and workflow logging
- > Search and rescue using Master Pilot/Contact Databases
- > Integrated with Federal Aviation Administration's enhanced Special Reporting Service (eSRS)
- > Two-way texting capabilities with cellphones and Federal Aviation Administration approved GPS tracking devices
- > Integrated Electronic Flight Strip display

OASIS ARCHITECTURE

OASIS is installed and operational at 17 AFSS/FSS Alaskan sites, the Anchorage ARTCC, and the Alaska Flight Services Information Area Group (AFSIAG).

Support is provided through systems at the William J. Hughes Technical Center (WJHTC) in New Jersey and the L3Harris Technologies Corporate Headquarters in Melbourne, Florida. In addition, portable, remote workstations are available for temporary installations anywhere.



ALASKA FACILITY SITES

Anchorage (ANC)
Barrow (BRW)
Cold Bay (CDB)
Dillingham (DLG)
Kenai (ENA)
Faribanks (FAI)
Homer (HOM)
Iliamna (ILI)
Juneau (JNU)
Ketchikan (KTN)
McGrath (MCG)
Nome (OME)
Northway (ORT)
Kotzebue (OTZ)
Palmer (PAQ)
Deadhorse (SCC)
Sikta (SIT)
Talkeetna (TKA)



ALASKAN AVIATION

Aviation is the major form of transportation in Alaska, where flight services operate in a demanding environment that requires high availability. The Operational and Supportability Implementation System (OASIS) provides critical flight service automation for the Alaska flying community. The ongoing success of OASIS is the result of a strong collaboration between the Federal Aviation Administration and L3Harris Technologies to meet the unique requirements of Alaska's challenging environment.

AIR TRAVEL IN ALASKA - DID YOU KNOW?

Aviation touches all aspects of life in rural Alaska, and is a basic mode of transportation.

- > Alaska has an area of 586,000 square miles and a flight area of over 2.4 million square miles.
- > Distance from east to west is equivalent to flying coast to coast across the U.S.
- > Approximately 82% of Alaskan communities are not served by roads.
- > Alaska has six times as many pilots per capita compared to the rest of the U.S.
- > Alaska has a fleet of 10,423 aircraft; 85% are single engine.
- > More than 1.6 million landings are recorded annually.
- > Aviation contributes 8% of the Gross State Product.
- > 47,000 people are employed in Alaskan Aviation.
- > Freight per person is 39 times higher, almost one ton per person per year.



OASIS 04/22

© 2022 L3Harris Technologies, Inc. | 04/2022

This document consists of basic marketing information that is not defined as technical data under EAR Part 772. L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



1025 W. NASA Boulevard
Melbourne, FL 32919
t 800-442-7747