WxOps satellite enabled dispatcher & plane to plane communications network

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Cobham SATCOM: Cobham SATCOM and WxOps Inc. Support Hawaiian's new EFB Program

New IP capabilities enhance situational awareness, safety and fuel management on Hawaiian Airlines aircraft

LYNGBY, Denmark – Leading manufacturer of satellite communication solutions Cobham SATCOM and WxOps Inc. have supplied systems and software to support Hawaiian Airlines new Electronic Flight Bag (EFB) program.

To create the airplane-dispatch network called ‘eFLIE’, Hawaiian reached out to Cobham for the satellite communication terminals and WxOps for Command, Control, Communications & Computer (C4) systems.

The Cobham SATCOM system provides a single channel of SwiftBroadband Safety with prioritized ACARS/FANS over IP. The system also provides a background IP channel used for dispatch and flight crews to exchange higher bandwidth data in interesting new ways. Hawaiian's EFB system was designed to create an information sharing network to enhance safety and fuel management in real time during all phases of flight.

Inmarsat SwiftBroadband Saftey (SB-S) background channel of IP enables new capabilities including airplane to airplane chat, dispatch/airplane networking and transfer of larger operational and graphic files including weather both surface and aloft, the current ATC environment and up to date airport information.

Mark Spence, WxOps CEO, said: “All the partners on this project have been working really hard and the results at the half way point of the project are excellent.”

Ken Rewick, VP Operations at Hawaiian Airlines, added: “The outcome of this program will result in some of the closest monitored aircraft in the world with the ability to see real bottom line ROI’s for operational efficiencies.”

Cobham SATCOM Air Transport Sales Manager Brian Anderson, who works closely with Hawaiian, also added: “The AVIATOR 300D system provides one system capable of both AOC IP data and ACARS/FANS over IP along with ICAO safety voice, all from a 2 MCU LRU.”

As an enthusiastic adopter of FANS and CPDLC, Hawaiian recognized the benefits of a connected cockpit and improvement to the man-machine interface are possible. It was established that over the oceans the use of spaced base ADS-B and ADS-C would be needed, but the data elements contained in these ADS position reports could be enhanced. To supplement, Hawaiian pulls data derived directly from each airplane and distributes this data across its airplane to airplane network and dispatch. Aircraft data currently being tested includes: ARINC 834, ARINC 429, ARINC 717.

Last year, Cobham SATCOM announced that their AVIATOR 300D enabled in-air connected EFBs for the first time over Inmarsat's new SwiftBroadband Safety (SB-S). The real time EFB capability was achieved as part of a Federal Aviation Administration (FAA) supervised technology evaluation on the flight deck.

Cobham is attending the 2017 AEEC/AMC, May 1-4, Milwaukee, Wisconsin where visitors are invited to talk about Cobham SATCOM's solution

For further information please also visit www.cobham.com/satcom.

Ends

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About Cobham SATCOM

Our satellite and radio communication terminals perform in the most challenging and remote environments on land, at sea and in the air.

We design and manufacture these high performance products under the AVIATOR, EXPLORER, SAILOR and Sea Tel brands providing customers with outstanding performance, value and support through our global sales and service network.

About Cobham

The most important thing we build is trust.

Cobham is a leading global technology and services innovator, respected for providing solutions to the most challenging problems, from deep space to the depths of the ocean.

About WxOps®

WxOps® was founded in 2010 to develop and commercialize Command, Control, Communications & Computer (C4) systems for use by Government and Industry. WxOps® also provides data products and services to transportation and logistics companies. WxOps holds several patents and patents pending for products in the areas of Geospatial, C4, Clear Air Turbulence and logistics tracking.