



DHC-3 Turbine Otter Primary Engine Display with Optional Navigation Map

In the basic manufacturer's configuration, the DHC-3 uses traditional analog engine gauges that are becoming more difficult and expensive to maintain. With an FAA [Transport Canada] approved modification, the aircraft can be fitted with a modern, integrated engine display system plus an optional moving map navigation system.

One or two SAGEM Multi-Function Displays (MFDs) can be used to present engine data. The MFDs can be further enhanced with a moving map display to improve situational awareness. The upgraded installation reduces the clutter of conventional instruments, increases operational efficiency, and improves flight safety.

The SAGEM Engine Monitoring System (EMS) provides all information necessary to operate the engine in VFR and IFR flight conditions. Two distinct versions of the system are available that include certification requirements for both VFR and IFR installations. Both installations provide the essential information to operate the aircraft power plant, while the IFR version also provides full backup hardware for reversionary operation and verification of primary data. (See reverse for sample architecture.)

Integration of the SAGEM ICDS-8 EMS System on the DHC-3 Turbine Otter was completed by ASAP Avionics Services Ltd. of Campbell River, British Columbia. The certifications were completed in partnership with Sagem Avionics.

If you are interested in extending this STC to your aircraft, and/or partnering with Sagem Avionics or ASAP Avionics to install or retrofit aircraft with SAGEM ICDS solutions, call toll-free at 1.800.585.8106.

Specifications

ICDS EMS with Optional Navigation Map

ICDS-8 Primary Flight Display

Flat-panel Active Matrix Liquid Display (AMLCD); 6.55" (16.3 cm) H x 9.75" (24.7 cm) W x 2.8" (7.1 cm) D; 3.9 lb (1.77 kg); 8.4" (21.3 cm) diagonal viewing area; TSOs: C113, C47, C44b, C43c Class IIIA, C2d Type C, C8d Type C, C10b Type II; RTCA DO-160D Change 1, 2, & 3; DO-178B Level B; Environmental Qualification: [F1]BAB[RG]XXXXXXZ[A]B[A]A[B]ZYM[XXE3]XXA

EMM-35H Engine Monitoring Module

TSOs: C113, C47, C44b, C43c Class IIIA; RTCA DO-160D Change 1, 2, & 3; DO-178B Level B; Environmental Qualification: [C1]BAB[RG]XXXXXXZ[A]B[A]A[B]ZTL[XXE3]XXA

TSIU – Turbine Sensor Interface Unit

PMA, STC RTCA DO-160D Change 1, 2, & 3; Environmental Qualification: [F2]BAB[RG]XXXXXXZZA ZZTM[XXE3]XXA

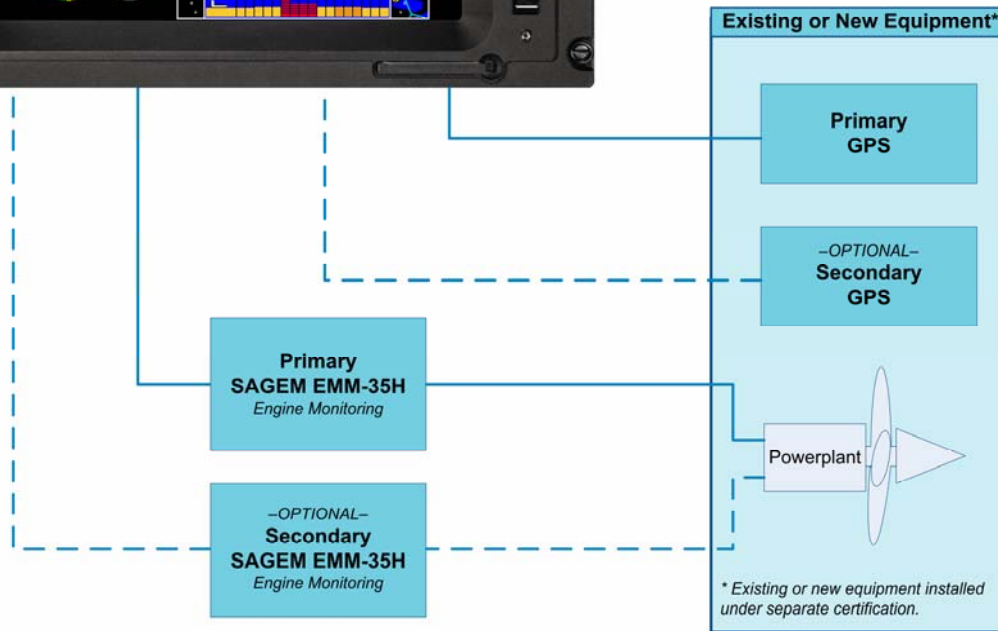
TGI – Tachometer Generator Interface

PMA, STC RTCA DO-160D Change 1, 2, & 3; Environmental Qualification: [F2]BAB[RG]XXXXXXZZA ZZTM[XXE3]XXA

Sample Architecture



SAGEM ICDS
Engine Monitoring
and Display System
for a DHC-3 Turbine Otter



Sagem Avionics, Inc. may, at any time and without notice, make changes or improvements to the products and services offered and/or cease producing or commercializing them. The Sagem Avionics, Inc. logo and trademark are the property of Sagem Avionics, Inc.



ASAP Avionics Services Ltd.
Campbell River Airport (CYBL)
Campbell River, BC V9W 6J3 Canada
Tel.: +1.250.923.8890
Toll-Free: +1.866.923.3422
Fax: +1.250.923.8893
www.aspavionics.com



TEXAS DIVISION
2701 Forum Drive
Grand Prairie, TX 45052 USA
Tel.: +1.972.314.3600
Fax: +1.972.314.3640

WASHINGTON DIVISION
16923 Meridian East
Puyallup, WA 98375 USA
Tel.: +1.253.848.6060
Fax: +1.253.848.3555

SAGEM DÉFENSE SÉCURITÉ
27, rue Leblanc
75512 PARIS CIDEX 15 France
Tel.: +33 (0) 1 58 11 78 00
Fax: +33 (0) 1 58 11 78 50