

FAST™ SYSTEM

FOR CESSNA GRAND CARAVAN EX

The Flight Data Acquisition, Storage and Transmission (FAST™) system is the latest innovation in Pratt & Whitney Canada's suite of advanced diagnostic solutions that automatically acquires, stores and transmits engine data. Each time a flight is completed, FAST™ makes the stored data available for review and, using a SIM card, transmits that data wirelessly to a server accessible via the Internet.

EASE OF OPERATION AND PEACE OF MIND

The FAST™ system is designed to reduce the need for costly maintenance interventions by wirelessly off-loading the engine data it collects. The system is able to provide post-flight event emails, event time history and snapshot data on a Web interface, allowing for remote engine troubleshooting and faster return to service. This enables operators to significantly improve engine availability by optimizing line maintenance intervention. Operators can also take advantage of the automated trend data for rapid engine condition trend monitoring (ECTM®) analysis and the **only P&WC-approved turbine blade creep monitoring system.**

OVERVIEW		ENHANCED FEATURES		
<ul style="list-style-type: none"> • Engine monitoring from start-up to shutdown • Collection of full flight data that can be accessed on the ground • Automatic off-loading of data via cellular transmission • Wireless operations allow remote troubleshooting of system faults • FAST™ enables an immediate return-to-service disposition • Automatic notification of events (via email) through WebECTM® • Supports requirements for extended warranty, hot-section-inspection (HSI) and time-between-overhaul (TBO) options 		<ul style="list-style-type: none"> • In-flight processing of events, including time history capture prior to, and following, an event (trace), which is critical for accurate troubleshooting • In-flight generation of engine-event central annunciator system (CAS) messages • In-flight capture of pilot-initiated snapshots and traces • In-flight optimized trend data capture • Creep monitoring of compressor turbine and power turbine blades 		
TECHNOLOGY				
Certified System The FAST™ system software is certified to DO178B DAL-C	Exceedance Alerts Supports a passive advisory system that assists the pilot in recording engine exceedances through the use of CAS message display on the primary flight display (PFD)	Comprehensive Data Recording Records airframe and engine data from the Garmin G1000 avionics system via ARINC 429	Wireless Off-load Capability Events, trends, faults and creep data can be automatically transmitted wirelessly at the end of each flight when a SIM card is installed.	Full Flight Data Review Full flight data can be down-loaded from FAST™ manually using the provided cable and ground-based software.

WIRELESS SERVICE

For customers interested in activating the wireless functionality of the FAST™ system, P&WC has identified one or more service providers that offer SIM cards that are compatible with the P&WC FAST™ system. These service providers offer competitive pricing for a SIM card that will provide cellular service customized to meet operators' needs. Contact P&WC DPHM Solutions for additional information on cellular service plans.

USA & CANADA 1 855-PWC-DPHM
 INTERNATIONAL (IAC*) + 781-762-8600, option 3

WWW.PWC.CA/DPHM





DPHM | DIAGNOSTICS, PROGNOSTICS
& HEALTH MANAGEMENT

**YOUR ENGINES ARE TALKING
YOU COULD BE
LISTENING**



Pratt & Whitney Canada's Flight Data Acquisition Storage & Transmission (FAST™) system allows you to synchronize maintenance events with your schedule and keep downtime to a minimum. As a one-stop application for managing all engine performance data, FAST™ offers more than improved dispatch reliability, engine availability and reduced operating costs. It offers the peace of mind that comes with optimized maintenance.

Think FAST™.

**DEPENDABLE
SUPPORT**



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