

Press Release

Brandy Fannon

ACES Systems
Aviation Division of
Technology for Energy Corp.

10737 Lexington Dr.
Knoxville, TN 37932

FOR IMMEDIATE RELEASE
For a Review Copy / Media Info:
Brandy Fannon (865-671-2003)

The ACES Model 560/PWC JEDA

Knoxville TN – **ACES Systems**, the Aviation Division of Technology for Energy Corp. (TEC) in collaboration with **Pratt & Whitney Canada** a United Technologies (NYSE: UTX) company, **presents the ACES Model 560/PWC JEDA** (Jet Engine Data Acquisition Module) for immediate production and sale.

The **ACES Model 560/PWC JEDA and PWC** software reduces fuel costs, troubleshooting time, and recertification costs while increasing aircraft availability.



The **ACES Model 560/PWC JEDA¹** is a data collection device designed to interface to selected Pratt & Whitney Canada engines and communicate with Pratt & Whitney Canada's MonEEC² PDA application, operating on a personal digital assistant (PDA). This powerful combination permits the total electronic troubleshooting of engine issues on JT15D-5/5R and PW530A/535A powered aircraft.

The **ACES Model 560/PWC JEDA** installs easily on the existing JT15D-5/5R Engine Control Unit (ECU) or PWC530A Bleed Valve Controller (BVC) using a quick release mounting system. Electrical connection is completed by installing a harness between the existing engine harness and the engine control. The unit is energized by power supplied to the engine control and requires no external power connections. The Model 560 PWC-JEDA communicates using a Wi-Fi link to a personal digital assistant (PDA) running Pratt & Whitney Canada's MonEEC PDA application. The Wi-Fi link simplifies

¹ JEDA and ACES Systems are products and trademarks of Technology for Energy Corporation

² MonEEC and GBSLite are products and trademarks of United Technologies Corporation

installation and improves safety by removing the need for any cable routing between the engine and the aircraft cabin.

The data acquisition process is controlled by Pratt & Whitney Canada's MonEEC PDA application running on a personal digital assistant. The usage of the PDA as the controller reduces the overall system cost while increasing its portability. This application permits the user to

- Query the engine for Fault Codes
- Link Faults directly to the Fault Isolation Charts
- Monitor engine signals (PLA, N1, N2, ITT, etc.)
- Record engine signals for troubleshooting
- Collect data for on-wing performance analysis
- Plot Engine Control Parameters
- Rig PLA's quickly and accurately

Collecting data with the ACES Model 560 PWC/JEDA and PDA gives you a precise and repeatable method of measuring engine parameters for diagnosing engine issues and performance.

The data collected with the MonEEC PDA application can be transferred to Pratt & Whitney Canada's GBSLite software for analysis. This software is

- A powerful tool to review all data recorded by the ACES Model 560 PWC/JEDA
- Links fault code to maintenance actions (Fault Isolation Charts) directly into the Interactive Electronic Maintenance Manual (IETM)

The Base Model 560 PWC/JEDA kit includes:

- ACES Model 560 PWC/JEDA unit
- PDA with accessories and MonEEC PDA application
- GBSLite³ software
- Carrying Case for the complete kit⁴

Interface cables available are:

- Harness Cable for interfacing with the JT15D-5/5R ECU

³ GBSLite software is a product and trademark of United Technologies Corporation

- Harness Cable for interfacing with the PWC530A/535A BVC
- GBSLite software
- Carrying Case for the complete kit

Planned optional accessories include:

- Outside Air Temperature (OAT) probe and cable
- Fuel Flow/Temperature probe and cable
- Serial cable (where wireless transmissions are not allowed)

The ACES Model 560/PWC JEDA and PWC software reduces fuel costs, troubleshooting time, and recertification costs while increasing aircraft availability.

For more information about these exciting new advancements and products, stop by the ACES Systems booth 2809 at NBAA or contact ACES Systems (www.acesystems.com).