



NEWS RELEASE

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Curtiss-Wright Selected by Scientific Research Corporation to Provide Cockpit Voice Recorder/Flight Data Recorder for Military Aircraft

Fortress® crash protected flight recorder to support safety and training programs on T-6 Texan II aircraft used by U.S. Military

ASHBURN, Va. – April 28, 2021 – [Curtiss-Wright's Defense Solutions division](#), a proven leading supplier of rugged avionics solutions, today announced that it was selected by Scientific Research Corporation (SRC) to provide a version of its industry-leading Fortress flight recorder system to upgrade the T-6 Texan II trainer aircraft used by the U.S. Air Force and Navy. Under the agreement, Curtiss-Wright is providing SRC with a new variant of the Fortress CVR25, developed for use on military fixed wing and rotorcraft airborne platforms. The Fortress CVR25 combines a CVR, FDR, integrated data acquisition, and an independent power supply in a single lightweight, compact unit. The Fortress recorder's ability to acquire additional data as customer needs evolve has helped further establish Curtiss-Wright as one of the leading suppliers of modern flight data recorders. Under the contract, shipments began in Q1 2021 and are scheduled to continue through the first half of 2023.

"We are very proud to have been selected by Scientific Research Corporation to provide our innovative Fortress cockpit voice recorder and flight data recorder to upgrade the important T-6 Texan II trainer used by the U.S. Air Force and Navy," said Chris Wiltsey, Senior Vice President and General Manager, Defense Solutions. "SRC and Curtiss Wright intend to further explore other flight recorder applications within the DoD where

our unique experience can assist in liberating the benefits of modern day flight recorder technology for the military aircraft market.”

Developing the Next Generation of Voice and Data Recorders

The custom Fortress recorder designed for SRC features a built-in quick access recorder that supports a removable solid-state drive (SSD) memory module. At under 11.5 lb (5.25 kg), including a 90-day underwater locator beacon (ULB) designed to TSO-C121B with integral battery to DO-227A, Fortress provides significantly more functionality and capability than the current system, with a lower ship set weight, providing operators with more data in support of training and long term operational objectives for the aircraft.

The recorder, which is a form-fit-function upgrade to the existing flight recording system on the T-6 Texan II, protects parametric flight data and 3 channels of voice communications to crash conditions in accordance with ED-112A¹. In addition to serving as a combined CVR/FDR flight recorder, Fortress will also support data acquisition and real time data processing, such as High-G event detection, used to produce the data for post-flight analysis. The data will also be used in flight safety and pilot training programs, including the U.S. Air Force’s Military Flight Operations Quality Assurance (MFOQA), Aircraft Structural Integrity (ASIP) and Aircraft Safety Program (ASAP) programs.

About Fortress Recorders

The compact and lightweight Fortress product line is designed to meet all current and anticipated regulations. Fortress CVR/FDRs enable aircraft data to be used for more efficient operations, allowing for additional predictive maintenance (PM) and real-time playback of data, and potentially voice communications and image data should regulations permit. The innovative recorders provide an ideal commercial-off-the-shelf (COTS)-based solution for post-test operational use, and include support for PM, health and usage monitoring systems (HUMS), condition based maintenance (CBM), and other data monitoring applications.

¹ European Organization for Civil Aviation Equipment (EUROCAE) document ED-112A, “Minimum Operational Performance Specification for Crash Protected Airborne Recorder Systems.”

The Fortress range can be rapidly modified to meet customization requirements for particular aircraft needs. The recorder's support for expansion, makes it easier and more cost-effective to add new functionality within the unit, such as MIL-STD-1553 data links, varied integrated acquisition and data processing, all while reducing aircraft line replaceable unit (LRU) count and overall system weight.

Curtiss-Wright designs and manufactures the flight recorder products covered by this agreement at its Bournemouth, UK facility. The products are being shipped to Scientific Research Corporation, in Atlanta, Georgia.

For additional information about Curtiss-Wright data storage solutions, please visit www.curtisswrightds.com, LinkedIn, and Twitter @CurtissWrightDS.

About Curtiss-Wright Corporation

Curtiss-Wright Corporation (NYSE:CW) is a global innovative company that delivers highly engineered, critical function products and services to the Aerospace and Defense markets, and to the Commercial markets including Power, Process and General Industrial. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing reliable solutions through trusted customer relationships. The company employs approximately 8,200 people worldwide. For more information, visit www.curtisswright.com.

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