NEWS RELEASE

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Curtiss-Wright Contact:
John Wranovics
M: 925.640.6402
jwranovics@curtisswright.com

Curtiss-Wright Achieves United States and International Re-Certification of Top Secret Data-at-Rest (DAR) Encryption Layers for the DTS1 Storage Solution

Data Transport System (DTS1), a Network Attached Storage (NAS) device, receives bi-annual certification from both National Information Assurance Partnership (NIAP) and Common Criteria Recognition Arrangement (CCRA)

ASHBURN, Va. – April 12, 2021 – Curtiss-Wright's Defense Solutions division, a trusted leading supplier of rugged data storage and protection solutions, announced today that its DTS1, the embedded industry's first commercial off-the-shelf (COTS) DAR storage solution designed to support two layers of full disk encryption (FDE) in a single device, has successfully achieved the required bi-annual re-certification by NIAP in the U.S. and by CCRA internationally. The successful re-certification enables the DTS1 to remain on the NIAP Product Compliant list, the CCRA Certified Products list, and the National Security Agency (NSA) Commercial Solutions for Classified (CSfC) Components list. The rugged small form-factor DTS1 is designed to store and protect large amounts of sensitive data on helicopters, unmanned aerial vehicles (UAV), unmanned underwater vehicles (UUV), unmanned ground vehicles (UGV), and Intelligence Surveillance Reconnaissance (ISR) aircraft that require the protection of sensitive DAR. It is ideal for use applications that require the storage, removal, and transport of critical data such as cockpit data (mission, map, maintenance), ISR (camera, I&Q, sensors), mobile applications (ground radar, ground mobile, airborne ISR pods), heavy industrial (steel, refinery), and video/audio data collection (flight test instrumentation).

"We are proud to announce that our DTS1 Data Transport System Network Attached Storage solution has achieved its second successful NIAP Common Criteria certification and NSA CSfC approval," said Chris Wiltsey, Senior Vice President and General Manager, Curtiss-Wright Defense

Solutions. "This rugged storage device greatly eases and accelerates the ability of system integrators to provide Top Secret encryption of critical data on a wide variety of platforms, using the NSA-approved cost-effective two-layer alternative to Type 1 encryption."

With the CSfC component approvals, system integrators can propose the DTS1 as a CSfC DAR solution by itself. Selecting a pre-approved device from the CSfC Components List allows system architects to greatly reduce the time and cost needed to design a COTS encryption solution, because system development can commence immediately with greatly reduced program and technical risk. In the U.S., NIAP validates COTS information technology products to ensure they conform to the international Common Criteria Evaluation and Validation Scheme (CCEVS), which is recognized around the world by 17 Certificate Producing countries and by 14 Certificate Consuming countries.

About the DTS1

The DTS1 uniquely incorporates two distinct layers of Commercial National Security Algorithm (CNSA) Suite cryptographic encryption into one device, making protection of Top Secret data more cost effective and yet low risk. The very small DTS1 NAS device, which weighs only 3.77 lb. (1.71 kg) and measures only 1.5 x 5.0 x 6.5" (38.1 x 127 x 165.1 mm), delivers up to 8 TB of solid state storage (SSD) with two layers of certified encryption. It supports PXE protocol so that network clients on a vehicle or aircraft can quickly boot from the encrypted files on the DTS1's RMC. This approach both facilitates software updates for network clients and significantly reduces size, weight, and power (SWaP) by eliminating the need for individual hard disks in each network client. Curtiss-Wright offers two-layers of encryption in two mounting options of the DTS1: The VS-DTS1SL-FD is designed for cockpit use with DZUS mounting panel, and the VS-DTS1SL-F uses L-brackets to support very flexible mounting within space-constrained platforms. The DTS1 also supports a MIL-STD-1275 compliant filter to mitigate against high voltage spikes, long voltage surges, and ripples that can reduce performance and reliability. Compliance with MIL-STD-1275 ensures system integrators that, in addition to airborne applications, the DTS1 can also be dependably deployed in land vehicle applications.

Previously, Curtiss-Wright announced that the DTS1 has been fully tested and validated for operation at the extended -45º to +85ºC operating temperature range, per MIL-STD-810G methods and procedures, making the NAS device ideal for use in the harshest deployed military environments, including high altitude, long endurance (HALE) UAS platforms. In addition, Curtiss-

Wright recently announced that it has doubled the maximum storage capacity of the [Removable Memory Cartridge](#) (RMC) used in the DTS1 from 256 GB to 8TB, enabling it to support far longer missions for storing classified data on attended and unattended vehicles.

For additional information, please visit https://www.curtisswrightds.com/, LinkedIn, and Twitter @CurtissWrightDS.

About Curtiss-Wright Corporation

Curtiss-Wright Corporation is a global innovative company that delivers highly engineered, critical function products and services to the commercial, industrial, defense and energy markets. 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 is headquartered in Davidson, N.C. and employs approximately 8,200 people worldwide. For more information, visit www.curtisswright.com.

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