



## JULY 2021

The Avionics Design monthly E-newsletter from the editorial staff of [militaryembedded.com](https://militaryembedded.com) covers hardware and software avionics designs and certification issues in the commercial and military avionics markets in the U.S. and Europe via the Military Embedded Systems partnership with Aviation Maintenance magazine and the Aerospace Tech Week show.



### Cockpit voice and flight data recorder to equip T-6 Texan II trainer aircraft

EMMA HELFRICH, TECHNOLOGY EDITOR

Curtiss-Wright Corporation announced that it was selected by Scientific Research Corporation (SRC) to provide its Fortress flight recorder system to upgrade the T-6 Texan II trainer aircraft used by the U.S. Air Force and Navy.

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### Axnes Names Mid-Continent Instruments and Avionics U.S. Repair Station for PNG Wireless Intercom Products

AVIATION MAINTENANCE MAGAZINE

Mid-Continent Instruments and Avionics announced it has been named an Authorized Repair Station for Axnes PNG wireless intercom products in the United States. Mid-Continent expects to provide service and support capabilities for Axnes customers by October 2021. This will include warranty and non-warranty repair and exchange services, technical support, installation and configuration assistance, product training, troubleshooting, diagnostics and AOG services for the complete Axnes PNG product line.

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### Countermeasure systems to equip German Air Force Eurofighters



EMMA HELFRICH, TECHNOLOGY EDITOR

Cobham Mission Systems, supplier in military aircraft countermeasure components, announced it has won subcontracts to provide chaff and flare dispenser equipment for the German Air Force's Quadriga Tranche 4 Eurofighter Typhoon fleet.

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## LITENING color targeting pods by Northrop Grumman to equip F-16s

EMMA HELFRICH, TECHNOLOGY EDITOR

Northrop Grumman Corporation announced that its LITENING advanced targeting pod has been fielded for the first time with full-color, digital video capability with the Air Force Reserve and Air National Guard, intended to give pilots of the service's F-16s situational awareness and targeting certainty.

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## Skyborg autonomy core system tested aboard UAV

EMMA HELFRICH, TECHNOLOGY EDITOR

The Skyborg leadership team announced that it conducted a flight test of the Skyborg autonomy core system (ACS) aboard a Kratos UTAP-22 tactical unmanned vehicle at Tyndall AFB, Florida.

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**Lockheed Martin Purchases 50**



## Dalistick Systems for F-35 Sustainment

AVIATION MAINTENANCE MAGAZINE

Lockheed Martin has purchased 50 Dalistick Systems for F-35 Sustainment from Corrdesa, the company says. Corrdesa is now under contract to supply an initial 50 units, with options for 40+ per year for the following three years, to equip the growing number of F-35 squadrons around the world.

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## Sky Warden ISR strike aircraft in development for contested environments

EMMA HELFRICH, TECHNOLOGY EDITOR

L3Harris Technologies and Air Tractor have teamed to produce the AT-802U Sky Warden, a production-ready aircraft designed for airborne intelligence, surveillance, and reconnaissance (ISR) and other missions in extreme combat environments.

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## Synthetic vision avionics system to be integrated onto X-59 aircraft

EMMA HELFRICH, TECHNOLOGY EDITOR

Collins Aerospace and Raytheon Technologies have been selected by Lockheed Martin to provide avionics for NASA's X-59 Quiet SuperSonic Technology (QueSST) aircraft. Collins Aerospace will aim to help the aircraft's pilot fly and land in all weather conditions without any forward-looking windows.

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## Electronic Propeller Control System to enhance E-2D Hawkeye operations

EMMA HELFRICH, TECHNOLOGY EDITOR

Collins Aerospace, a unit of Raytheon Technologies Corp., announced that it has begun shipping parts following a second multi-year contract it received in November to supply Northrop Grumman with NP2000 propeller systems for 39 E-2D aircraft.

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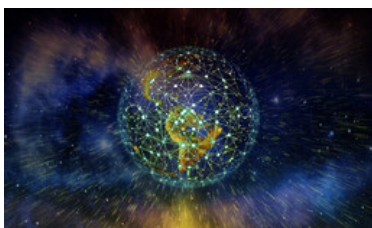


## C-5M Super Galaxy lifecycle support to be led by Alion

EMMA HELFRICH, TECHNOLOGY EDITOR

Alion Science and Technology has won a \$64 million task order with a 60-month period of performance for C-5M Super Galaxy Reliability, Integrity, Maintainability, and Engineering for the Air Force Life Cycle Management Center (AFLCMC)/WLS.

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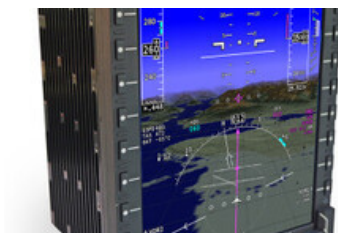


## JetWave MCX SATCOM solution designed for airborne military operations

EMMA HELFRICH, TECHNOLOGY EDITOR

Honeywell's JetWave product family of broadband satellite communication (SATCOM) solutions has a new offering designed for military and governmental aircraft. JetWave MCX is a solution designed to expand on earlier JetWave products and features technical improvements intended for military customers around the world.

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## Multicore smart display using INTEGRITY-178 tuMP RTOS certified to DAL A

EMMA HELFRICH, TECHNOLOGY EDITOR

Green Hills Software announced that the MFD-3068 Multi-Function Smart Display from CMC Electronics has received multiple Technical Standard Order (TSO)

approvals to RTCA/DO-178C DAL A using the INTEGRITY-178 tuMP multicore real-time operating system (RTOS).

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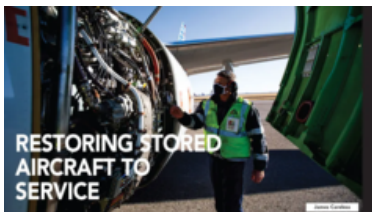


## Seahawk helicopters to be equipped with MOSA computers

EMMA HELFRICH, TECHNOLOGY EDITOR

Curtiss-Wright's Defense Solutions division announced that it won a contract by Lockheed Martin to provide its Modular Open-Systems Approach (MOSA) computers and video processing modules to upgrade the Mission Computer and Flight Management Computer (MC/FMC) on the U.S. Navy's fleet of Sikorsky MH-60R/S Seahawk helicopters.

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## Restoring Stored Aircraft to Service

AVIATION MAINTENANCE MAGAZINE

Rising like a phoenix out of the ashes — or out of the dust of the desert — parked aircraft are being returned to service as vaccinations begin working, the pandemic recedes, and the pace of travel steps up. Returning stored aircraft to service is a complex and painstaking process.

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## AI Transportable Market

ONE STOP SYSTEMS (OSS)

Program managers are struggling to quickly deploy AI capabilities for real-time applications in the field – outside of data centers. These leaders can speed time to market by utilizing scalable commercial compute solutions from vendors with expertise in real-time, AI-ready platforms built for rugged environments.

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## Thunderbolt 3: a path forward for avionics data bus interfaces and



## Abaco's ARINC 615-3 data loader

ABACO SYSTEMS

Engineers using avionics data bus interfaces and data loaders are facing a growing problem: the demise of the PCMCIA and ExpressCard interfaces, and the inadequacy of USB as an alternative. There is, however, a way forward.

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## Reducing SWaP in ISR Signal Processing Applications

**Sponsored by:** Samtec, Kontron America, Inc.

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