AVIONICS >DESIGN

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The Avionics Design monthly E-newsletter from the editorial staff of 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.

Cyber resiliency for naval legacy systems goal of Shift5 research contract

EMMA HELFRICH, TECHNOLOGY EDITOR

Shift5, Inc., a transportation data company, announced it has received a Cooperative Research and Development Agreement (CRADA) with the Naval Air Warfare Center Aircraft Division (NAWCAD).

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Boeing Charged with 737 Max Fraud Conspiracy and Agrees to Pay over $2.5 Billion

AVIATION MAINTENANCE MAGAZINE

The Boeing Company (Boeing) has entered into an agreement with the Department of Justice to resolve a criminal charge related to a conspiracy to defraud the Federal Aviation Administration's Aircraft Evaluation Group (FAA AEG) in connection with the FAA AEG's evaluation of Boeing's 737 MAX airplane.

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Beyond Line of Sight High Frequency comms demoed by GA-ASI without SATCOM

EMMA HELFRICH, TECHNOLOGY EDITOR

General Atomics Aeronautical Systems, Inc. (GA-ASI) completed the first Beyond Line of Sight (BLOS) High Frequency (HF) Command and Control (C2) demonstration for an Unmanned Aircraft System (UAS). According to officials, the HF C2 capability does not require a Satellite Communications (SATCOM) link and is capable of providing BLOS connectivity up to 8,000 miles, depending on transmit power and link geometry.

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Electronic warfare controllers to be provided to USAF under Terma contract

EMMA HELFRICH, TECHNOLOGY EDITOR

The Defense Logistics Agency (DLA)-Aviation at Warner Robins has awarded a $306 million 10-year indefinite-delivery indefinite-quantity (IDIQ) contract to Terma North America in support of the U.S. Air Force (USAF) to provide self-protection hardware, sustainment, and engineering services under the Enterprise Contract for the Air Force Life Cycle Management Center (AFLCMC).

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RF countermeasure system to be demoed by BAE Systems

EMMA HELFRICH, TECHNOLOGY EDITOR

BAE Systems announced it has received a $4 million

contract from the U.S. Navy to conduct a quick-turnaround demonstration of a new radio frequency countermeasure (RFCM) system for the P-8A Poseidon. The pod-mounted RFCM system is a high-power system that is designed to add a new self-protection capability to this next-generation U.S. Navy aircraft.

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"FIRE! LEFT ENGINE!" HOW SHORT CUTS TO PROCEDURES LED TO A NEAR-DISASTER

AVIATION MAINTENANCE MAGAZINE

There is no doubt that fatal airline accidents, especially those involving maintenance, have decreased significantly over the last two decades.

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GlobalEye surveillance system garners another contract for Saab

EMMA HELFRICH, TECHNOLOGY EDITOR

Saab has received a follow-on contract with the United Arab Emirates regarding the sale of two GlobalEye systems, Saab's airborne surveillance system. According to the company, the order value is $1.018 billion and the contract period is 2020-2025.

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WEBCAST: Minimize compliance pain while navigating safety and cybersecurity certification of COTS and C++ solutions

JOHN MCHALE, EDITORIAL DIRECTOR

A new requirement for adherence to function safety or security standards can be a rude awakening for the uninitiated. There can be no half measures when applications are critical. Requirements traceability, static analysis, dynamic coverage analysis, and unit/integration testing are deemed essential, not just at the end of development but throughout the development lifecycle. Such activities can come at a considerable overhead.

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Remote ID included in final rules for drone operation announced by FAA

EMMA HELFRICH, TECHNOLOGY EDITOR

Final rules for Unmanned Aircraft (UA), commonly known as drones, have been announced by the The U.S. Department of Transportation's Federal Aviation Administration (FAA). According to the FAA, the new rules will require Remote Identification (Remote ID) of drones and allow operators of small drones to fly over people and at night under certain conditions.

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ISR mission systems to equip King Air B300ER Scorpion aircraft

EMMA HELFRICH, TECHNOLOGY EDITOR

The State Department has made a determination approving a possible Foreign Military Sale to the Government of Kazakhstan of King Air B300ER Scorpion Aircraft with Intelligence, Surveillance, Reconnaissance (ISR) Mission Systems and related equipment for an estimated cost of $128.1 million.

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Global Hawk Ground Station Modernization Program completes first flight

EMMA HELFRICH, TECHNOLOGY EDITOR

Northrop Grumman Corporation announced it has completed the first flight for the Global Hawk Ground Station Modernization Program (GSMP) at Edwards Air Force Base, Calif. earlier this month. Leveraging agile

development and an open architecture design, the GSMP team redesigned both the human-machine interface and the underlying software.

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Detect-and-avoid avionics solution in development for UAVs

EMMA HELFRICH, TECHNOLOGY EDITOR

Sagetech Avionics, technology company providing safety solutions for Unmanned Aerial Systems (UAS), and Hover, Inc., an embedded computing company, announced that they are partnering to provide OEMs with the key components of an onboard detect and avoid (DAA) solution for unmanned aerial vehicles (UAVs).

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Top 10 military electronics stories of 2020

JOHN MCHALE, EDITORIAL DIRECTOR

The most popular stories on MilitaryEmbedded.com throughout 2020 covered subjects such as NASA's Artemis mission, radar for tracking hypersonics, certifying COTS software, big data challenges, and more. Check them out below.

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Amazon Purchases 11 Aircraft from Delta Air Lines and WestJet Airlines to Join the Amazon Air in 2021 and 2022

AVIATION MAINTENANCE MAGAZINE

Amazon announced its first-ever purchase of eleven Boeing 767-300 aircraft, expanding its fleet to continue to serve customers. The purchases include seven aircraft from Delta and four aircraft from WestJet, which will join the network by 2022.

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Degraded Visual Environment (DVE) Meeting the Challenge

ABACO SYSTEMS

Learn more in our whitepaper which examines the nature of DVE challenges and some promising

solutions and innovations that Abaco is actively working on, by bringing decades of embedded expertise to bear on the challenges posed by Degraded Visual Environments.

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Webcast: Making the Grade with Linux and Cybersecurity at the Intelligent Edge

WIND RIVER

Learn how you can use Linux to capitalize on both the proof-of-concept and go-to-market phases of the development lifecycle, tune in for a fast-based micro video series, "Making the Grade with Linux and Cybersecurity at the Intelligent Edge," hosted by Wind River's Michael Mehlberg.

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