Multicore processors in the mission-critical context
GUILLEM BERNAT, RAPITA SYSTEMS

Multicore processors are increasingly being adopted in the critical systems domain, especially within the mission-critical military context. They offer a solution to the issue of long-term availability of single-core processors and the increasing processing power needed to facilitate increased innovation in military systems. As multicore processors offer neither a deterministic environment nor predictable software execution times, a new verification approach ? one that solves the challenges of multicore timing analysis ? is needed for their safe use.

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Open architectures and standards for space
JOHN MCHALE, EDITORIAL DIRECTOR

Open architecture initiatives and open standards are regularly discussed in this space, but I don?t often get to discuss them with an open architecture guru such as Patrick Collier, one of the minds behind the Sensor Open Systems Architecture (SOSA) initiative and the OpenVPX standard, like I did in a recent podcast on Open Architectures in Space.

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Remotely piloted aircraft system from GA-ASI to get trial from UK ministry of defense

LISA DAIGLE, ASSISTANT MANAGING EDITOR

General Atomics Aeronautical Systems Inc. (GA-ASI) has signed a Direct Commercial Sale (DCS) contract with the U.K. Ministry of Defense (MoD) to complete the test and evaluation activities necessary to certify the GA-ASI Protector RG Mk1 remotely piloted aircraft (RPA) system to fly in civil airspace.

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Defense acquisition the focus of upcoming tri-service open architecture demo

LISA DAIGLE, ASSISTANT MANAGING EDITOR

The Tri-Service Open Architecture Interoperability Demonstration ? a new, exclusive event for the media, acquisition community, and industry influencers ? will be held on January 29, 2020, hosted by the Georgia Tech Research Institute at the GTRI Conference Center in Atlanta, Georgia. The demonstration will immediately follow the conclusion of the Embedded Tech Trends industry forum.

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Multidomain simulation facility opened by Lockheed Martin

EMMA HELFRICH, ASSOCIATE EDITOR

Pulsar Guardian is a new state-of-the-art facility built by Lockheed Martin that enables the U.S. Air Force and
others simulate, test, and train in a multidomain environment that reflects today's complex space environment.

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**CAMP Systems to acquire ILS from The Boeing Company**

**AVIATION MAINTENANCE MAGAZINE**

Hearst's CAMP Systems International has agreed to acquire Inventory Locator Service (ILS) from Boeing, the world's largest aerospace company and leading provider of commercial airplanes, defense, space and security systems, and global services.

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**C-130H cockpit to see new Collins Aerospace avionics system**

**EMMA HELFRICH, ASSOCIATE EDITOR**

Collins Aerospace Systems, a unit of United Technologies Corp. has been selected by L3Harris Technologies to play a key role in the U.S. Air Force’s C-130H Avionics Modernization Program Increment 2 (AMP INC 2) program.

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**A400 counter-UAV radar updated to better detect small UAS**

**EMMA HELFRICH, ASSOCIATE EDITOR**

Blighter Surveillance Systems Ltd., British designer and manufacturer of electronic-scanning (e-scan) radars and counter-drone solutions, has enhanced its Blighter A400 series counter-drone air security radar to better detect and report low, slow, and small unmanned aircraft systems (UAS).

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Collins Aerospace enters Enterprise Partnering Agreement with USAF

EMMA HELFRICH, ASSOCIATE EDITOR

Collins Aerospace Systems announced it has signed an Enterprise Partnering Agreement with the United States Air Force (USAF), which will serve as an umbrella agreement for all sustainment services with the company?s six Strategic Business Units (SBU).

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MQ-9B SkyGuardian demo held by GA-ASI for RAF

EMMA HELFRICH, ASSOCIATE EDITOR

General Atomics Aeronautical Systems, Inc. (GA-ASI) showcased the MQ-9B SkyGuardian ? GA-ASI?s development robotic process automation that the Royal Air Force?s (RAF) new Protector RG Mk1 is based upon ? RAF senior leadership and RAF Reaper operators, as well as guests from the U.S. Marine Corps and Royal Australian Air Force (RAAF).

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RF system for UAVs to be demonstrated by Perspecta

EMMA HELFRICH, ASSOCIATE EDITOR

Perspecta Inc. announced that Perspecta Labs was awarded a prime contract from the U.S. Defense Advanced Research Projects Agency (DARPA) for phases 2 and 3 of the agency?s Converged Collaborative Elements for radio frequency (RF) Task Operations (CONCERTO) program.
A truly timeless Tri-Pacer
AVIATION MAINTENANCE MAGAZINE

When it comes to PA-22 rebuilds, there are good Tri-Pacers and there are great Tri-Pacers, but there is only one “truly better than the day it was built”? Tri-Pacer. Here’s the love story behind it.

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US-1 quadcopter crosses Nevada desert without recharging
EMMA HELFRICH, ASSOCIATE EDITOR

Impossible Aerospace announced that its US-1 “flying battery” quadcopter became the first aircraft of its kind to cross the northern Nevada desert without recharging in repeated 72-minute flights across the playa.

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CataCap to acquire AerFin Holdings
AVIATION MAINTENANCE MAGAZINE

Private equity firm CataCap has agreed to acquire UK-based AerFin Holdings from U.S.-based CarVal Investors in partnership with management. AerFin is a global specialist in providing aftermarket support solutions to the aviation industry.

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F-35 fighter aircraft to get EW
BAE Systems won a Block 4 Modernization contract award from Lockheed Martin to enhance the offensive and defensive electronic warfare (EW) capabilities of the F-35 Lightning II fifth-generation fighter aircraft.

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