Avionics and standards
JOHN MCHALE, EDITORIAL DIRECTOR

Standards and open architectures are driving modern avionics systems, be they military or commercial. They range from safety certification standards to standard form factors to conformance with commonality initiatives such as the Future Airborne Capability Environment (FACE), which enables software commonality across aircraft platforms through common application programming interfaces (APIs).

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Best in Show awards selected at Aerospace Tech Week
MILITARY EMBEDDED SYSTEMS

Avionics Design is excited to announce today the winners of Aerospace Tech Week Best in Show Award contest, which we’re holding this week for exhibitors at Aerospace Tech Week in Munich, Germany. Contest winners are drawn from exhibitors at the event and are recognized for the improved performance and innovation they bring to aerospace applications.

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Military aircraft avionics face new data-processing and security demands
SALLY COLE, SENIOR EDITOR & JOHN MCHALE, EDITORIAL DIRECTOR
A few trends are emerging in military aircraft avionics, including a continued push toward large touch-screen displays, as well as a migration to multicore processing, open architectures, and a new focus on improving cyber resilience.

F-35 electronic warfare system updates complete
MARIANA IRIARTE, TECHNOLOGY EDITOR
Upgrades to the F-35 electronic warfare (EW) systems have been completed by BAE Systems, officials announce.

The situation at Southwest
AVIATION MAINTENANCE MAGAZINE
During the last year, things have gotten heated in the hangars at Southwest. Accusations have been lobbed back and forth between the company, its mechanics and the union that represents them, the Aircraft Mechanics Fraternal Association (AMFA).
NASA taps organizations for final phase UAS traffic management system

MARIANA IRIARTE, TECHNOLOGY EDITOR

The Nevada Institute for Autonomous Systems in Las Vegas and the Lone Star UAS Center for Excellence & Innovation in Corpus Christi, Texas will host the final phase of NASA’s four-year series technical demonstrations involving small unmanned aerial systems (UASs).

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BAE Systems mission computer will run processing technology from Teledyne e2v, Wind River, and CoreAVI

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Teledyne e2v, Wind River, and CoreAVI announced that they will provide key technologies for BAE Systems? new mission computer, which serves as the central hub that processes all mission-critical data on an aircraft.

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U. S. Grounds B737 MAX Aircraft

AVIATION MAINTENANCE MAGAZINE

The Federal Aviation Administration has grounded all Boeing 737 MAX aircraft. President Donald Trump said the U.S. was stopping domestic airlines and others from flying the aircraft in U. S. airspace as numerous other countries had already done.

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USAF XQ-58 Valkyrie UAV completes first flight
MARIANA IRIARTE, TECHNOLOGY EDITOR

The U.S. Air Force XQ-58A Valkyrie demonstrator completed its maiden flight at the Yuma Proving Ground in Arizona.

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Boeing completes acquisition of ForeFlight
MARIANA IRIARTE, TECHNOLOGY EDITOR

Web-based aviation application supplier, ForeFlight has been acquired by Boeing. ForeFlight has partnered with Boeing for the past two years to bring aviators Jeppesen's aeronautical data and charts through ForeFlight's mobile platforms.

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AI in safety-certification efforts evolving
MARIANA IRIARTE, TECHNOLOGY EDITOR

Artificial intelligence (AI) has the potential to change the way technology progresses, if created and developed properly to fit the needs of the industry. For avionics suppliers, it's a tricky field, with years of research and development (R&D) ahead of them to develop AI solutions focused on easing the safety-certification process.
AdaCore announces extended support for Wind River VxWorks
LISA DAIGLE, ASSISTANT MANAGING EDITOR
Software-development and -verification tool company AdaCore has announced the roadmap of its flagship GNAT Pro Ada Development Environment for the latest version of the Wind River VxWorks real-time operating system (RTOS), with immediate support for the ARM 64-bit processor.

CoreAVI, Airbus Defence and Space partner to bring GPU compute for autonomous systems to market
LISA DAIGLE, ASSISTANT MANAGING EDITOR
CoreAVI and Airbus Defence and Space have joined forces to enable the use of GPU compute in airborne systems and applications that require the highest RTCA DO178C/EUROCAE ED-12C DAL A safety certifications.

Autonomous aircraft market to be worth $23.7 billion by 2030, study says
MARIANA IRIARTE, TECHNOLOGY EDITOR
The autonomous aircraft market is projected to grow...
from an estimated $3.6 billion in 2018 to $23.7 billion by 2030, at a CAGR of 17.06 percent during the period covered, according to a market study from MarketsandMarkets...

DoT Investigating FAA’s B737 MAX Certification

AVIATION MAINTENANCE MAGAZINE

According to a report in the Wall Street Journal, the U.S. Department of Transportation (DoT) is investigating the FAA’s approval of Boeing’s 737 MAX aircraft. The inquiry is looking into possible lapses in federal safety approvals for new aircraft and focuses on the safety system that was implicated in the Lion Air crash in October.

Air Force awards funding to 51 companies at Pitch Day

MARIANA IRIARTE, TECHNOLOGY EDITOR

At the Inaugural Air Force Pitch Day event, U.S. Air Force officials selected 51 companies and released an initial award of up to $158,000 to each company totaling $8.75 million.
Boeing statement after report from Ethiopian Transport Minister

Boeing Chairman, President and CEO Dennis Muilenburg issued the following statement regarding the report from Ethiopian Transport Minister Dagmawit Mogesput...

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