



**MAY 2020**

The Avionics Design monthly E-newsletter from the editorial staff of [mil-embedded.com](http://mil-embedded.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](#).



## Next Generation Jammer Low Band team adds CPI Aero

EMMA HELFRICH, ASSOCIATE EDITOR

Northrop Grumman Corporation has expanded its Next Generation Jammer Low Band (NGJ-LB) Capability Block 1 (CB-1) solution team with the addition of proven structure supplier CPI Aero, Inc. based in Edgewood, N.Y.

[Read More +](#)

**FROM C-CHECK TO TRAGEDY:**  
LESSONS LEARNED FROM ALASKA FLIGHT 261



## From C-Check to Tragedy: Lessons Learned from Alaska flight 261

AVIATION MAINTENANCE MAGAZINE

Twenty years ago this month I sat quietly in the NTSB's Cockpit Voice Recorder (CVR) Laboratory listening to the final 31 minutes of Alaska Airlines flight 261, a McDonnell Douglas (now Boeing) MD-83 airplane that had crashed off the coast of Ventura, California. Assigned to lead the "Systems Group" for the NTSB go-team, I needed to understand the crew conversations, cockpit alerts and switch clicks related to what we suspected was a horizontal stabilizer trim system failure.

[Read More +](#)

## MQ-8C Fire Scout radar undergoes flight testing

EMMA HELFRICH, ASSOCIATE EDITOR



The U.S. Navy, with support from Northrop Grumman Corporation, commenced flight testing of the MQ-8C Fire Scout equipped with the Leonardo AN/ZPY-8 radar.

[Read More +](#)



## M-346FA to be supplied with Litening 5, RecceLite systems

EMMA HELFRICH, ASSOCIATE EDITOR

RAFAEL Advanced Defense Systems will supply 5th generation Litening-5 and RecceLite systems to equip Leonardo's M-346FA light combat aircraft. This is the first integration of 5th generation EO pods to Leonardo's M-346FA platform.

[Read More +](#)

### Thunderbolt™ 3: a worry-free migration path for avionics interfaces

*Delivers universal connectivity, higher speeds  
and lower latency for ARINC 429, AFDX/ARINC  
664, and MIL-STD-1553 protocols.*

> [DOWNLOAD](#)





## Audio Management System selected for new T-7A Red Hawk

EMMA HELFRICH, ASSOCIATE EDITOR

Orbit Communication Systems Inc., the U.S. subsidiary of Orbit Communication Systems Ltd., provider of airborne communications solutions, announced that Boeing selected its Orion Audio Management System (AMS) for the U.S. Air Force's new T-7A Red Hawk advanced pilot training system.

[Read More +](#)

## Delta Digital Video's Rugged Encoders Support General Atomics'



## UAV

AVIATION MAINTENANCE MAGAZINE

General Atomics Aeronautical Systems, Inc. (GA-ASI) contracts with Delta Digital Video for delivery of rugged airborne video encoders in support of continued production for the MQ-9 Reaper and MQ-1C Gray Eagle Unmanned Aircraft System (UAS) avionics, datalinks and software.

[Read More +](#)



## Airborne tactical radio business acquired by BAE Systems

EMMA HELFRICH, ASSOCIATE EDITOR

After reaching a definitive agreement in January, BAE Systems has now completed the acquisition of Raytheon Technologies Corporation's Airborne Tactical Radios (Airborne Radios) business, intended to bring products and capabilities into the company's Electronic Systems portfolio.

[Read More +](#)



## ATFLIR system for Navy Super Hornets to see repairs

EMMA HELFRICH, ASSOCIATE EDITOR

Raytheon won a \$325 million contract for repair of the Advanced Targeting Forward Looking Infrared System (ATFLIR) in the F/A-18 Super Hornet aircraft for the U.S. Navy, according to the Pentagon.

[Read More +](#)

**AEROSPACE  
TechWeek.com**  
NEW DATES ANNOUNCED  
24/26 Mar 2021 | Toulouse, France

Avionics Connected AIRCRAFT MRO IT AEROSPACE testing Flight Ops IT FACE

6 EVENTS UNDER 1 ROOF

**ENQUIRE ABOUT YOUR EXHIBITION BOOTH**  
at the leading international event for the  
Aerospace Technology Industry  
[www.aerospacetechweek.com](http://www.aerospacetechweek.com)



## Thermal solutions for RPA to be developed with Additive Manufacturing

EMMA HELFRICH, ASSOCIATE EDITOR

General Atomics Aeronautical Systems, Inc. (GA-ASI) has partnered with Australia-based Conflux Technology on the development of a heat exchanger. The part is being developed using a metal Additive Manufacturing process for possible integration onto GA-ASI's line of Remotely Piloted Aircraft Systems (RPAS).

[Read More +](#)



## WASP avionics software wins award for program upgrade

EMMA HELFRICH, ASSOCIATE EDITOR

DCS Corporation has received an award from long-time customer NAVAIR PMA-281 for the development of Weaponing and Stores Planning (WASP) software, version 5.0. The total value of this award is \$7.5 million with a 20-month period of performance. The WASP 5.0 task order was received under a recently-awarded Basic Ordering Agreement (BOA) from PMA-281.

[Read More +](#)



## F-35 delivery to be affected during slowed Lockheed Martin production

EMMA HELFRICH, ASSOCIATE EDITOR

Lockheed Martin expects lower sales and slower deliveries for some of its programs in the coming months — particularly the F-35. In an earnings call, Marilyn Hewson, Lockheed's chairman, president, and CEO, said the company has reduced its 2020 sales expectations due to disruptions caused by the COVID-19 pandemic.

[Read More +](#)



## Digital cockpit for Black Hawk completes initial testing

EMMA HELFRICH, ASSOCIATE EDITOR

Northrop Grumman Corporation supplied digital cockpit upgrades to the integrated avionics suite for the U.S. Army's UH-60V Black Hawk, which recently completed initial operational test and evaluation (IOT&E). The

completion of IOT&E marks a milestone for the UH-60V program on the pathway to full-rate production.

[Read More +](#)



## Fully autonomous air-to-air refueling achieved by Airbus

EMMA HELFRICH, ASSOCIATE EDITOR

Airbus has achieved an automatic air-to-air refueling (A3R) operation with a boom system. The flight test campaign, conducted earlier in the year over the Atlantic Ocean, involved an Airbus tanker test aircraft equipped with the Airbus A3R solution, with an F-16 fighter aircraft of the Portuguese Air Force acting as a receiver.

[Read More +](#)



## Cavitation by JOY FINNEGAN

AVIATION MAINTENANCE MAGAZINE

Airlines are like pumps. Money pumps. I have used this analogy to explain how airlines can go from billions in profits to the brink of disaster in seemingly no time at all. I cannot take credit for it but I don't remember where or who to attribute it to. But it is so relevant right now.

[Read More +](#)

## Reducing SWaP-C in Electronic Warfare and Radar Systems

**Sponsored by:** Cobham Advanced Electronic Solutions, Elma Electronic, Milpower Source, Wind River

**Date:** May 20, 2:00 p.m. ET

[REGISTER NOW](#)

