TF/TA avionics systems to equip Korean fighter jets
EMMA HELFRICH, ASSOCIATE EDITOR

Elbit Systems Ltd. announced that it won a $43 million contract from Hanwha Systems Co. Ltd. to equip the Next-Generation Korean fighter jets in development with embedded Terrain Following-Terrain Avoidance (TF/TA) systems. The contract will be performed over a six-year period.

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Pegasus 737 Skids Off Runway, Comes Apart at Sabiha Gokcen Airport in Turkey
AVIATION MAINTENANCE MAGAZINE

A Pegasus Airlines B737 skidded off a runway at Sabiha Gokcen Airport in Istanbul, Turkey. The aircraft broke into several pieces according to reports. The weather was poor including thunderstorms, rain and gusty winds.

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Synthetic vision and nav system to equip AW139 cockpit
EMMA HELFRICH, ASSOCIATE EDITOR

Honeywell is providing Leonardo's helicopter division with a cockpit upgrade. Honeywell's innovative Primus...
Epic 2.0 for its AW139 helicopters. Primus Epic 2.0 will deliver features intended to provide better maps, improved situational awareness at night and in marginal weather, and easier access through wireless connectivity.

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Unmanned EA-18G Growlers flown in test mission

EMMA HELFRICH, ASSOCIATE EDITOR

Boeing and the U.S. Navy flew two autonomously controlled, unmanned EA-18G Growlers at Naval Air Station Patuxent River in Maryland, Boeing announced. The flights were intended to prove that F/A-18 Super Hornets and EA-18G Growlers can effectively run combat missions using unmanned systems.

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ADCP II boxes to be integrated into F-15 platform

EMMA HELFRICH, ASSOCIATE EDITOR

The U.S. Air Force has awarded Boeing with an $84.1 million contract to integrate the advanced display core processor (ADCP) into the F-15 platform, according to the Department of Defense. The deal exercises an option in the original contract, awarded September 2018, that provides for the production and modification of the ADCP II boxes and related equipment in the F-15.

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Safety is our Number One Priority

AVIATION MAINTENANCE MAGAZINE

Safety is our number one priority. How many companies make this claim? How many include this philosophy in their mission statement? How many times have you heard this statement during your aviation career? Almost every single company in the aviation industry includes this statement in their company mission statement. But have we lost sight of what that statement really means? Are we just reciting it from rote memory with no real understanding of what the ramifications of that statement are?

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Mil-spec flash storage for airborne systems contract agreed for $36 million
LISA DAIGLE, ASSISTANT MANAGING EDITOR
One Stop Systems (OSS) has signed a sole-source contract with the U.S. Navy to design a new military-spec flash storage array for airborne sensor data collection.

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Fire Control Radar support contract won by Longbow
EMMA HELFRICH, ASSOCIATE EDITOR
Longbow LLC, a joint venture of Lockheed Martin and Northrup Grumman, received a $235.8 million contract to support Fire Control Radar systems for Apache helicopters for 11 foreign governments, the Department of Defense announced.

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BACN payload support contract won by Northrop Grumman
EMMA HELFRICH, ASSOCIATE EDITOR
Northrop Grumman Systems won a $217.2 million modification to provide operation and support for Battlefield Airborne Communications Node (BACN) payload operations, the Pentagon announced.

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Multi-domain, airborne sensor capability tested by LM

EMMA HELFRICH, ASSOCIATE EDITOR

Two U.S. Air Force F-35s were integrated with the U.S. Army Integrated Air and Missile Defense Battle Command System (IBCS), providing an airborne sensor capability to detect, track, and intercept near simultaneous air-breathing threats. The test marked the first time F-35s were used as sensors during an IBCS live fire test against multiple airborne targets.

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MOSAIC AESA radar system tested on MH-60S Seahawk

EMMA HELFRICH, ASSOCIATE EDITOR

Telephonics Corporation, subsidiary of Griffon Corporation, announced that it has demonstrated its MOSAIC Active Electronically Scanned Array (AESA) radar system aboard a U.S. Navy MH-60S helicopter, accumulating over 10 hours of operational time during a two-week period in November.

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Airborne intelligence program to utilize CUGE EW capability

EMMA HELFRICH, ASSOCIATE EDITOR

The French Armament General Directorate (DGA) awarded Thales and Dassault Aviation a contract to equip the French Army’s future strategic intelligence aircraft with the CUGE universal electronic warfare capability. The contract covers the first two aircraft on the program.

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Aircraft readiness to be improved using AI

EMMA HELFRICH, ASSOCIATE EDITOR

C3.ai, an artificial intelligence (AI) software provider for accelerating digital transformation, announced a five-year agreement with the Defense Innovation Unit (DIU) to deliver C3 Readiness for Aircraft, an AI-based software application that increases the readiness and availability of aircraft to accomplish their missions.
HUMS: Keeps Humming Along

AVIATION MAINTENANCE MAGAZINE

A T-shirt definition of the word ?helicopter? reads that the aircraft is: ?A million parts rotating rapidly around an oil leak waiting for metal fatigue to set in.? While it may be a bit of an exaggeration, there are few machines in the world with so many rapidly spinning components?components that, when they spin erroneously, can cause catastrophic failures. Monitoring these components has been the job of helicopter Health and Usage and Monitoring Systems (HUMS). Born from tragedy over 30 years ago, HUMS has come a long way.

Gray Eagle UAS demonstrates multi-domain operations

EMMA HELFRICH, ASSOCIATE EDITOR

General Atomics Aeronautical Systems, Inc. (GA-ASI) completed the first in a series of internally-funded Multi-Domain Operations (MDO) demonstrations using a company-owned Gray Eagle Extended Range (GE-ER) Unmanned Aircraft System (UAS). GE-ER is a long-range variant of the U.S. Army?s MQ-1C Gray Eagle UAS.

Solving Multicore Processors CAST-32A Avionics Certification Challenges

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