The path to smarter, autonomous radar and EW platforms
MARIANA IRIARTE, TECHNOLOGY EDITOR

Data flowing from radar and electronic warfare (EW) systems to the analyst's screen will determine the course of action in any given mission. Bearing in mind that decisions need to be made, at times in seconds, it's critical for radar and EW systems to quickly sift through that data and turn it into actionable intelligence.

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Using RISC-V in FPGAs for strategic defense systems
TED MARENA, MICROSEMI

The defense market is often characterized as slow-moving and a laggard when it comes to high-tech components. The strict certifications and testing that are often required for upgrading military systems generally cannot be rushed.

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USMC approves early field of G/ATOR systems
MARIANA IRIARTE, TECHNOLOGY EDITOR
U.S. Marine Corps (USMC) officials approved early field of Northrop Grumman's AN/TPS-80 Ground/Air Task-Oriented Radar (G/ATOR). This milestone follows the delivery of the final Lot 1 and Lot 2 Low Rate Initial Production (LRIP) G/ATOR system to the Marines.

DoD budget increases impact on defense electronics suppliers
JOHN MCHALE, EDITORIAL DIRECTOR
This month we cover the Trump Administration's Department of Defense (DoD) Fiscal Year (FY) 2019 budget request. The DoD overall requests totals 686.1 billion, up almost seven percent over the FY 2018 request. The panelists discuss the budget's potential impact on defense electronics suppliers, which applications are the winners in the budget such as unmanned systems, the Joint Light Tactical Vehicle, fighter aircraft, and more.

Global electronic warfare market to reach $30.32 billion by 2022, study says
LISA DAIGLE, ASSISTANT MANAGING EDITOR
The electronic warfare (EW) market is projected to grow from an estimated $24.20 billion in 2017 to $30.32 billion by 2022, at a combined annual growth rate (CAGR) of 4.61 percent during that time period, according to a new market study...
Lockheed Martin completes TPS-77 Multi-Role Radar site acceptance test

MARIANA IRIARTE, TECHNOLOGY EDITOR

Lockheed Martin officials announced they met on-time delivery of the first three radars to the Ministry of Defense of the Republic of Latvia with a successful site acceptance test of the third TPS-77 Multi-Role Radar (TPS-77 MRR).

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Australia to upgrade long-range coastal radar network with BAE Systems

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Australian government officials announced that BAE Systems Australia will lead a $1 billion project to upgrade the country’s long-range, high-frequency radar network.

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USAF signs $96 million task order with Polaris Alpha for ISR, software operations
LISA DAIGLE, ASSISTANT MANAGING EDITOR

Defense and intelligence contractor Polaris Alpha has won $96 million in U.S. Air Force task orders that involve work in software development, maintenance, and enhancements for command-and-control and intelligence, surveillance, and reconnaissance (ISR) operations.

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NAVAIR inks $24.3 million in contract mods for unmanned aerial drone systems
LISA DAIGLE, ASSISTANT MANAGING EDITOR

The U.S. Naval Air Systems Command has signed a $24.3 million contract modification with Kratos Defense and Security Solutions' Unmanned Systems Division (USD) to exercise an option for the low-rate initial production of the Subsonic Aerial Target BQM-177A and technical data.

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Sweden requests Patriot Configuration-3+ in FMS valued at $3.2 billion
MARIANA IRIARTE, TECHNOLOGY EDITOR

State Department officials approved a possible Foreign Military Sale (FMS) to Sweden of Patriot Configuration-3+ Modernized Fire Units for an estimated cost of $3.2 billion.

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U.S. State Dept. approves possible sale of ISR aircraft to Kuwait
LISA DAIGLE, ASSISTANT MANAGING EDITOR

The U.S. State Department has made a determination approving a possible foreign military sale of King Air 350ER intelligence, surveillance, and reconnaissance (ISR) aircraft to Kuwait for an estimated cost of $259 million.

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Cognitive radio, spectrum management, SDR tech development
JOHN MCHALE, EDITORIAL DIRECTOR

Sponsored by Pentek: Cognitive radio and spectrum management continue to drive innovation among military communication system designers to enable more capability and faster decision making for warfighters. Efficient spectrum management is becoming especially important as the spectrum gets more crowded and as the U.S. Department of Defense is considering naming the spectrum as another warfare domain like cyber...

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U.S. Army will work with Leidos on C4ISR support, testing
LISA DAIGLE, ASSISTANT MANAGING EDITOR

IT/engineering company Leidos announced that it won a follow-on task order by the General Services Administration (GSA) to provide mission support services to the U.S. Army's Communications-Electronics Research, Development and Engineering Center (CERDEC) Prototyping Integration and Testing Division (PIandTD).

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In my previous article, I promised that we would integrate the warfare models (RMAs [Revolution in Military Affairs], warfare domains, strategic offsets, the OODA Loop, and generations of warfare) with the kill chain. That noble goal has been overcome by events. A number of important reports have been released in the past few months, so it's best that we take a look at those elements first. Otherwise, we risk confusion and lose some critical connections about how the kill chain is evolving.