

NOVEMBER 2018



## The future of military systems is software-defined and virtualized

SALLY COLE, SENIOR EDITOR

Software-defined open virtualization solutions are a smart way to implement next-gen military systems: They're easier to maintain and enable future software and hardware upgrades with minimal risks, costs, and downtime.

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## Foreshadow: Researchers discover another Intel processor vulnerability

SALLY COLE, EDITORIAL CALENDAR

Two international teams of security researchers have independently and concurrently discovered "Foreshadow," a new variant of the hardware vulnerability known as "Meltdown" that was announced earlier this year. Meltdown can be exploited to bypass Intel processors' secure regions to access memory and data.

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## No room for compromise in supply chain security: New DoD initiative establishes benchmark for strategic ICT sourcing

PHIL GALLAGHER, AVNET

In response to the growing nexus between physical risk (counterfeits) and cyber risk (infiltration of systems and exfiltration of data) the U.S. Department of Defense (DoD) has introduced a new policy adding security as a fundamental pillar of federal acquisition and supply chain risk management.

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## Raytheon

### Cybersecurity tests complete for on the Raytheon-built GPS OCX

MARIANA IRIARTE, TECHNOLOGY EDITOR

The Raytheon-built Global Position System Next-Generation Operational Control System (GPS OCX) completed cybersecurity vulnerability assessments that tested the system's ability to defend against both internal and external cyber threats.

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### Northrop Grumman to act as Unified Platform systems coordinator for USCYBERCOM program

MARIANA IRIARTE, TECHNOLOGY EDITOR

U.S. Air Force officials -- the acting acquisition authority for the U.S. Cyber Command (USCYBERCOM) Unified Platform program -- selected Northrop Grumman Corp. to serve as the program's Unified Platform systems coordinator under a contract valued an estimated \$54.6 million.

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## West Point, MacB sign CRADA aimed at cyber operations

MARIANA IRIARTE, TECHNOLOGY EDITOR

Officials at the U.S. Military Academy (USMA) at West Point signed a Cooperative Research and Development Agreement (CRADA) with Enlighten IT Consulting -- a MacAulay-Brown, Inc. (MacB) subsidiary, an Alion Company.

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## Advances in switching bring rugged 1/10 GbE networking to embedded platforms

MIKE SOUTHWORTH, CURTISS-WRIGHT DEFENSE SOLUTIONS

As advanced network features and increasing speeds are added to next-generation rugged embedded switches, these products become even more useful for military applications by helping to reduce system size, weight, power, and cost (SWaP-C) through a reduction of cabling and the use of Layer 3 switches for basic network routing duties.

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## DARPA signs \$4.7 million cyberhunting contract with Perspecta Labs

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Perspecta Inc. research arm Perspecta Labs has obtained a prime contract from the U.S. Defense Advanced Research Projects Agency (DARPA) to support the Cyber-Hunting at Scale (CHASE) program.

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## U.S. Navy hack event encourages innovation in maritime security

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Naval Sea Systems Command (NAVSEA) recently hosted HACKtheMACHINE, the Navy's digital experience for building a community of practice in maritime security.

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The advertisement features a dark blue background with a grid pattern. On the left, there is a Mercury Systems 16GB DDR4 memory module and a US quarter coin for scale. The Mercury Systems logo is visible in the bottom left corner.

## IT contract worth \$787 million signed for world's largest intranet, operated by U.S. Navy

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Information-technology (IT) services company Perspecta Inc. received a \$787 million contract extension from the U.S. Department of the Navy to continue to provide IT services. The award calls for Perspecta to continue providing services for an additional year, through September 2019.

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## DoD selects HackerOne for third Hack the Pentagon crowdsourcing contract

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Department of Defense (DoD) officials awarded a third crowdsourced security contract to HackerOne in order to help strengthen sensitive DoD assets.

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## Nearly 150 security vulnerabilities found during Hack the Marine Corps Bug Bounty Challenge

LISA DAIGLE, ASSISTANT MANAGING EDITOR

The U.S. Department of Defense (DoD) and HackerOne, the leading hacker-powered security platform, announced the results of the DoD's sixth public bug bounty program.

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Backup PNT methods are essential for GPS-denied environments

Backup methods of position, navigation, and timing (PNT) are essential for GPS-denied environments.