

MARCH 2018

Five tips for protecting against wireless KRACK

RUSSELL DOTY, RED HAT

The recent KRACK (Key Reinstallation Attacks) attack on the Wi-Fi WPA2 security protocols (CVE-2017-13077 through CVE-2017-13088) highlights the requirement to actively maintain and update embedded systems, especially long-life systems deployed in hostile environments.

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Data-to-decision: Fueling netcentric defense solutions with the IIoT and fog computing

ROY KEELER, ADLINK TECHNOLOGY

In today's defense arena, traditional tactics using large, fixed systems no longer suffice. A deployed naval strike group might find itself needing to quickly integrate its data systems with those of on-site allies - some of which may be many years older - and process data with these combined platforms in real time.

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DISA grants CSRA, Oracle provisional authorization for Impact Level 5 data

MARIANA IRIARTE, TECHNOLOGY EDITOR

Defense Information Systems Agency (DISA) officials granted CSRA LLC and Oracle Federal Managed Cloud Services a Department of Defense (DoD) Provisional Authorization (PA) for Impact Level 5 Systems (DoD PA IL5).

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Quantum radio may outperform other types of communications within harsh environments

SALLY COLE, SENIOR EDITOR

Quantum radio can provide communications within environments - whether underwater, underground, or indoors - that stymie GPS and other forms of communications.

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Hack the Air Force 2.0 invites 26 countries to participate, reports 106 vulnerabilities

MARIANA IRIARTE, TECHNOLOGY EDITOR

Hack the Air Force 2.0 is part of the Department of Defense's (DoD) Hack the Pentagon crowd-sourced security initiative. Twenty-seven trusted hackers participated in the Hack the Air Force bug bounty challenge -- reporting 106 valid vulnerabilities and earning \$103,883.

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Cyber operations, infrastructure support contract for Air Combat Command won by Telos

MARIANA IRIARTE, TECHNOLOGY EDITOR

Security solutions provider Telos Corp. received the NETCENTS-2 Network Operations and Infrastructure Solutions small business contract, a five-year, \$108 million contract to provide planning, infrastructure systems, networks operations and support for Air Combat Command.

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DoD Network Defense Headquarters reaches full operational capability

LISA DAIGLE, ASSISTANT MANAGING EDITOR

The Joint Force Headquarters Department of Defense



Information Network (JFHQ-DoDIN) -- the U.S. cybercommand component responsible for securing, operating, and defending the Defense Department's (DoD's) complex infrastructure -- reports that it has achieved full operational capability.

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Army, university scientists look to create scientific discipline to assess battlefield information

MARIANA IRIARTE, TECHNOLOGY EDITOR

U.S. Army Research Laboratory (ARL) and university scientists from Polytechnic Institute, Notre Dame, and the University of Illinois-Urbana Champaign are looking to create social sensing as a scientific discipline. Army officials say this emerging science space will help commanders assess and comprehend the accuracy and true meaning of information on the battlefield.

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DoD taps Kratos to modernize cyberspace defense support network

LISA DAIGLE, ASSISTANT MANAGING EDITOR

National security contractor Kratos Defense and Security Solutions was awarded a full and open Task Order (TO) from a Department of Defense Command to modernize and expand a closed network that supports and protects a significant portion of a cyberspace weapon system. The TO is worth up to \$10.5 million.

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Cybersecurity compliance for ballistic



missile defense system contract won by DECISIVE ANALYTICS

MARIANA IRIARTE, TECHNOLOGY EDITOR

Missile Defense Agency (MDA) officials selected DECISIVE ANALYTICS for a \$59.5 million contract to provide cybersecurity compliance and risk management for the Ballistic Missile Defense System (BMDS).

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HPE selected to deliver supercomputers for DoD computing modernization program

MARIANA IRIARTE, TECHNOLOGY EDITOR

U.S. Department of Defense (DoD) officials selected Hewlett Packard Enterprise (HPE) to provide new supercomputers for the DoD High Performance Computing Modernization Program (HPCMP), which aims to accelerate the development and acquisition of advanced national security capabilities.

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ARL selects ICF as one of two awardees for information and computational sciences ID/IQ

LISA DAIGLE, ASSISTANT MANAGING EDITOR

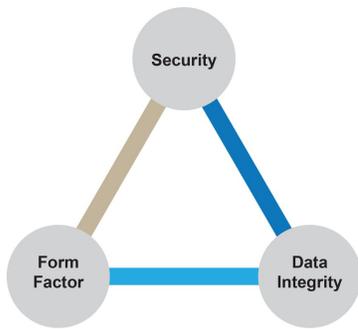
The U.S. Army Research Laboratory (ARL) has chosen global consulting and digital services provider ICF as one of two awardees eligible to compete for scientific and engineering support services under a new indefinite delivery/indefinite quantity (ID/IQ) contract.

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Hardware full disk encryption technology for military applications using two-layer commercial solutions

BOB LAZARAVICH & PHILIP FULMER, MERCURY SYSTEMS

While the consumer market promotes rapid adoption of



new microelectronics with ever-shortening product life cycles, the military market demands risk mitigation and long-term supply continuity - even for commercial-off-the-shelf (COTS) parts modified or screened to military requirements.

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U.S. Army contracts for secure medical systems for mobile operations

LISA DAIGLE, ASSISTANT MANAGING EDITOR

The U.S. Army has contracted with IT security firm Cog and embedded sensor maker Management Sciences, Inc. (MSI) to develop a prototype multilevel security (MLS) capability on tactical mobile devices that will be used in the field to more efficiently deliver patient medical data.

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