SPECIAL REPORT

Small sats aim to provide on-demand tactical-level imagery for warfighters

SALLY COLE, SENIOR EDITOR

Raytheon is sending a one-of-a-kind small satellite to low Earth orbit to do a proof of concept of a prototype design - originally developed for the U.S. Defense Advanced Research Projects Agency (DARPA) - to provide useful imagery directly to military users in the field.

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MIL TECH TRENDS

Mission requirements, reduced SWaP drive power supply innovations

MARIANA IRIARTE, TECHNOLOGY EDITOR

Reduced size, weight, and power (SWaP) and increased standardization requirements for applications from unmanned aircraft to ground vehicles to portable communications systems are driving military power supply designs.

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CYBERSECURITY UPDATE

GAO: DoD has a pervasive weapon systems cybersecurity problem

SALLY COLE, SENIOR EDITOR

Weapon systems operated by the U.S. Department of Defense (DoD) are more software-dependent and networked than ever before, which a new General Accounting Office (GAO) report says opens the door to mission-critical cyber vulnerabilities.

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SPECIAL REPORT

Reduce smallsat component costs by bridging gap between commercial and QML Class V options

KEN O'NEILL MICROSEMI

Constellations of small satellites (smallsats) promise to bring tangible benefits to national security space (NSS) programs, where there is a critical need to minimize construction and deployment costs.

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RICK HEARN, CURTISS-WRIGHT DEFENSE SOLUTIONS

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