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EDITOR'S PERSPECTIVE

Open standards spell a departure from bloated defense budgets

JOHN MCHALE, EDITORIAL DIRECTOR

Do you miss the U.S. defense budgets of yore, where costs for programs skyrocketed into the billions and overall defense spending reached into the trillions? Where cost was not a concern, only a capability? If you're pining for those days, then you probably don't want to read this issue.

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SPECIAL REPORT

DoD's MOSA mandate drives CMOSS approach to A-PNT

JASON DECHIARO, CURTISS-WRIGHT

The U.S. Army's Mounted Assured PNT System (MAPS) program was initiated to replace existing GPS receivers and antennas in most of the Army's ground vehicle variants, eliminating redundancy. The program is overseen by PM-PNT at the Army's Aberdeen Proving Ground in Maryland, where mounted and dismounted position, navigation, and timing (PNT) technologies for the Army are developed and managed.

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SPECIAL REPORT

SDRs for M-code satellite military communications

BRANDON MALATEST AND KAUE MORCELLES, PER VICES CORPORATION

It is no surprise that GPS/GNSS [Global Positioning System/ Global Navigation Satellite System] is remarkably important in modern society, with applications ranging from mobile phones to missile guidance systems. Particularly in the military, these signals can often dictate the difference between life and death.

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MIL TECH TRENDS

MOSA power supplies, custom components, engineering talent: Q & A with Vicor's John Sturm

JOHN MCHALE, EDITORIAL DIRECTOR

Power is a key consideration for modern open architecture initiatives such as the Sensor Open Systems Architecture (SOSA) Technical Standard, says John Sturm, Vice President of Business Development for the Aerospace & Defense business unit of Vicor, when I interviewed him just before Thanksgiving.

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GUEST BLOG

The Air Force's interim IT strategy could be a modernization road map for other agencies

GIL VEGA, VEEAM

It's been said before that the best plans tend to be the simple ones. While it's not clear whether that's ever been said about digital transformation, the Air Force's recently released interim Chief Information Officer (CIO) strategy could serve as an example of this truism, focusing on straightforward goals to modernize and secure the organization's information technology environment.

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DAN TAYLOR, TECHNOLOGY EDITOR

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How to Select the Right Type of EMI Filter for Harsh Environment Operation

QUELL

When your system fails MIL-STD-461 compliance, it can mean major timeline and budget setbacks – but traditional aftermarket filter solutions cause additional weight and functionality changes. “How to Select the Right Type of EMI Filter for Harsh Environment Operation” provides you with EMI filter options that can withstand tough environments and won’t alter your product’s functionality.

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