






**Editorial contact info**















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Issue	EDITORIAL FEATURES					DEADLINES		
	Special Feature	Military Materiel: Technology Feature	Application Feature	Product Guide	Tradeshows/Promotions	Editorial	Editor's	Ads
						Abstract due/ First draft due	final draft due to layout	Ads Close/ Ads Due
January/February	 <b>NEW: Editors Debate "Embedded trends for 2007"</b>  <b>How the military uses Linux</b> <b>Highlights: Open source blog comments (FLOSS)</b>	<b>(Hunter) Killer apps</b> - Editors examine the top 10 technologies sure to affect our war fighters  Also: <b>Battlefield Tech: RF and microwaves</b>	 <b>Mass Storage:</b> - Flash (solid-state) - Data capture/recorder - Interface standards  <b>Processor roadmaps:</b> - AMD - Freescale - Intel - VIA - Other desktop/server class	<b>x86- and PowerPC-based Single Board Computers (SBCs)</b>	Bus&Board (B&B)  CMSE  ESC San Jose	12/1/06 <b>12/22/06</b>	1/24/07	1/10/07 <b>1/24/07</b>
March/April	 <b>RTOS update:</b> - Trends - IDEs - Java	<b>Case studies: Graphics, imaging, and simulation</b> - Displays - Video/imaging - Compression	 <b>Small form factors/ rugged duty:</b> - Mini-ITX, PC/104, UMPC, COM, others	<b>MIL-SPEC I/O boards</b>	ESC San Jose  Tie-in with <i>ECD's</i> RTOS Roundup	1/2/07 <b>1/22/07</b>	2/21/07	2/7/07 <b>2/21/07</b>

**Special Coverage – Programmable Logic**

Editorial opportunities available for this special supplement running in the March/April 2007 issue of *Military Embedded Systems* and additional OpenSystems publications

**DSP-FPGA.com**

<b>May/June Special:</b>  <b>Resource Guide</b>	Product Resource Guide Editorial Theme:  Lifecycle management. Obsolescence, tech refresh, designing for EOL  Product categories featuring: Boards, Packaging/Mechanical Chassis, Rugged Computer Systems, Sensors and RF, Power Conversion, Mass Storage, Middleware/Software, Test and Instrumentation							
<b>July/August Special:</b>  <b>DSP, FPGA, Reconfigurable Computing, SDR</b>	 <b>Digital signal processing:</b> - SDR - From algorithm to hardware - Code development tools	 <b>Reconfigurable computing:</b> - Hardware trends - FPGA trends - Software issues – IDEs and operating systems	 <b>Software-Defined Radio (SDR):</b> - JTRS program update - SDRF update - Specialized systems - Civilian systems	<b>1. Multiprocessor and multicore Single Board Computers (SBCs)</b>  <b>2. DSP modules</b>	GSPx MILCOM SDR Forum	4/11/07 <b>5/2/07</b>	6/1/07	5/18/07 <b>6/1/07</b>
<b>September/October</b>	 <b>Security solutions: securing critical data</b> - MILS, Common Criteria, DO-178B, ARINC-653 - RTOSs and how they compare - IPv6, and COMSEC protocols - Biometrics, RFID, and other methodologies - Trusted computing initiatives	<b>High-Performance Computing (HPC)/High-Performance Embedded Computing (HPEC); cluster computers</b>  <b>Plus: Mass storage</b> - Flash (solid state) - Data capture/recorder - Interface standards (Fibre Channel, SATA, SCSI, InfiniBand, serial fabrics...)	<b>Special: Put the mettle to the metal</b>  <b>Mechanical and cooling:</b> - Chassis, connectors, ATR - Conduction, air, spray, liquid - Heatsinks, core card, fans - Thermal management H/W and S/W	<b>Small form factors and COM supplement (pullout)</b>	Supplement tie-in to <i>PC/104 and Small Form Factors</i> magazine  ESC Boston	6/18/07 <b>7/9/07</b>	8/7/07	7/23/07 <b>8/7/07</b>
<b>November/December</b>	<b>Military-ready enterprise software:</b> - Project management - Obsolescence management/EOL prediction - UML, IDEs, simulation - COTS cost accounting	 <b>Power conversion:</b> - Batteries - Rugged uninterruptible power supplies - DC-DC converters - Military and rugged power supplies - EMI/RFI filtering, including chassis and system-level	<b>Standards update:</b>  Eclipse  PC/104 Consortium  PCI Express SIG  PCI SIG  PICMG  RapidIO  VITA  - Others...	<b>Mechanical marvels:</b> - Chassis (ATR, 19" rack, liquid cooled, etc.) - Backplanes - Connectors - Cable assemblies  - Others....	I/ITSEC	8/15/07 <b>9/5/07</b>	10/5/07	9/21/07 <b>10/5/07</b>

**Columns:** Chris Ciuffo's *Crosshairs Editorial*, Don Dingee on embedded, Jerry Gipper on standards, Joe Pavlat on communications, and Duncan Young's *Field Intelligence*

**Departments:** *Industry Analysis* includes guest editorials and perspectives on the changing defense landscape; *In the System* presents a system-level view of embedded; *Military Materiel* covers the latest technology topics

**Product guide lead-ins:** We're always looking for defense and industry perspectives on the month's topic. Drop us a suggestion for an article or guest editorial and we'll contact you.

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Issue	Topic	Details
<b>Issue 1</b> Jan/Feb	<b>NEW: Editors Debate "Embedded trends for 2007"</b>  <b>How the military uses Linux</b>  <b>Highlights: Open source blog comments (FLOSS)</b>	<p>OSP's editors will each pen a column on the top technology trends for 2007. Vendors are encouraged to twist the editors' arms under the auspices of educating them.</p> <p>Contributed articles sought on the state of Linux in the military, with a staff-written lead-in article to kick things off.</p> <p>Also: What do users think? We'll publish recent comments from OSP's various blogs and E-sites on Freely Licensed Open Source Software.</p>
	<b>(Hunter) Killer apps</b> - Editors examine the top 10 technologies sure to affect our war fighters  Also: <b>Battlefield Tech: RF and microwaves</b>	<p>Our editors aren't through yet. Besides the Debate (see this month's Special Feature), the editors whittle their list of tech trends down to the top 10 most likely to affect our war fighters.</p> <p>A wide variety of contributed articles on unusual technologies plus some Case Studies will be provided.</p> <p>Also: The military doesn't string wires on the battlefield anymore. Instead, they use RF and microwave communications. Technical articles will cover everything from antenna design to "talking radars" to microwave components.</p>
	<b>Mass Storage:</b> - Flash (solid-state) - Data capture/recorder - Interface standards  <b>Processor roadmaps:</b> - AMD - Freescale - Intel - VIA - Other desktop/server class	<p>It seems as if everyone has a USB "thumb drive." How does the military store and record data? Hard disks, flash disks, and the interconnects used will be examined. We'll look for contributed articles on reliability and encryption.</p> <p>Self-explanatory: We publish the CPU guys' road maps.</p> <p>Even better, contributed articles will address key design issues and software to make these processors stand up to military duty.</p>
	<b>x86- and PowerPC-based Single Board Computers (SBCs)</b>	The latest AMD, Intel, VIA, Freescale, and IBM SBCs.
<b>Issue 2</b> March/April	<b>RTOS update:</b> - Trends - IDEs - Java	<p>From the actual RTOS to the development environment to other software trends such as Java, C#, AJAX, and any other "OS-like" software, editor-written and contributed articles will cover how these are affecting the military.</p> <p>Also: This special section will be co-created with the editors and vendors of <i>Embedded Computing Design</i> magazine.</p>
	<b>Case studies: Graphics, imaging, and simulation</b> - Displays - Video/imaging - Compression	<p>Ya gotta see it to believe it: Staff-written articles plus contributed material will cover graphics, imaging, simulation, displays, and all the visual stuff the military needs.</p>
	<b>Small form factors/rugged duty:</b> - Mini-ITX, PC/104, UMPC, COM, others	<p>Shoe-horned products and other small form factors are perfect for the military. Contributed articles on open standard and proprietary (bespoke) modules show the variety of products available to the military.</p>
	<b>MIL-SPEC I/O boards</b>	<p>If it's got 1553, ARINC, AFDX, or any other mil-specific I/O on it, this Product Guide will showcase the industry's latest hardware and software I/O products.</p>
<b>Issue 3</b> May/June <b>Special:</b>  <b>Resource Guide</b>	<p>Product Resource Guide            Editorial Theme: Life-cycle management. Obsolescence, tech refresh, designing for EOL</p> <p>Product Categories Featuring:            Boards, Packaging/Mechanical Chassis, Rugged Computer Systems, Sensors and RF, Power Conversion, Mass Storage, Middleware/Software, Test and Instrumentation</p>	<p>Our annual free-form issue where editors get to cover all the latest technology, with a mix of staff-written and contributed articles.</p> <p>This year we're going to focus the articles on the "end" of our magazine's mission statement: covering the entire program life, from design to obsolescence. Emphasis will be placed on tech refresh topics, obsolescence, and EOL issues.</p>

Issue	Topic	Details
<b>Issue 4</b> <b>July/August Special:</b> <b>DSP, FPGA, Reconfigurable Computing, SDR</b>	<b>Digital signal processing:</b> - SDR - From algorithm to hardware - Code development tools	The heart of many military systems is DSP, and this set of articles will cast a wide net for all things DSP, including Software-Defined Radio topics.
	<b>Reconfigurable computing:</b> - Hardware trends - FPGA trends - Software issues – IDEs and operating systems	FPGAs enable reconfigurable systems, and OSP will include staff-written and contributed technical articles on hardware trends and software issues.
	<b>Software-Defined Radio (SDR):</b> - JTRS program update - SDRF update - Specialized systems - Civilian systems	SDR is one of the hottest topics around, and our annual SDR Special is so popular that we often end up spilling material into subsequent issues just to print it all.  We'll look for Case Study articles on SDR deployed in the military, from JTRS to SCA to reconfigurable civilian cellular base stations. We'll even "borrow" one or two of OSP's telecom editors (from another magazine, no less) to help us compile the latest info.
	<b>1. Multiprocessor and multicore Single Board Computers (SBCs)</b>  <b>2. DSP modules</b>	This Product Guide will be a huge one, with the latest products in print and the full list online.  1. SBCs with more than one processor <i>or</i> multicore processors.  2. DSP boards – be they Analog Devices, Texas Instruments, FPGA or whatever – we'll list the very latest ones.
<b>Issue 5</b> <b>September/October</b>	<b>Security solutions: securing critical data</b> - MILS, Common Criteria, DO-178B, ARINC-653 - RTOSs and how they compare - IPv6, and COMSEC protocols - Biometrics, RFID, and other methodologies - Trusted computing initiatives	The Global War on Terror takes the headlines, but military systems have long been concerned with security and mission assurance. Articles will focus on myriad technologies associated with keeping data secure: from hardware such as encryption and biometrics to software such as DO-178B (maybe "C" by then).
	<b>High-Performance Computing (HPC)/High-Performance Embedded Computing (HPEC); cluster computers</b>  <b>Plus: Mass storage</b> - Flash (solid state) - Data capture/recorder - Interface standards (Fibre Channel, SATA, SCSI, InfiniBand, serial fabrics...)	Cluster computers interconnect multiple CPUs to solve massive mathematical problems, and OSP's editors will take a look at some of the industry's fastest COTS-based machines.  Contributed material is sought concerning interconnects, HPC and SMP algorithms, and hardware capable of solving big problems.
	<b>Special: Put the mettle to the metal</b>  <b>Mechanical and cooling:</b> - Chassis, connectors, ATR - Conduction, air, spray, liquid - Heatsinks, core card, fans - Thermal management H/W and S/W	So enough about the electronics already. All those fast-moving atoms have to get to their destination via cables, connectors, and backplanes, and the boards need to be housed in something besides a Habitat for Humanity community project. We're going to put the "Mettle to the metal" in this series of articles.
	<b>Small form factors and COM supplement (pullout)</b>	A special advertising supplement tie-in with OSP's <i>PC/104 and Small Form Factors</i> magazine. These 1/9 page spotlight ads are organized by form factor size.
<b>Issue 6</b> <b>November/December</b>	<b>Military-ready enterprise software:</b> - Project management - Obsolescence management/EOL prediction - UML, IDEs, simulation - COTS cost accounting	Articles move outside the embedded systems realm and into the enterprise. Articles are sought from nontraditional contributors in the areas of enterprise software, SAP, DMSMS, project management, cost accounting, and other mainframe-type applications that are critical to military programs and their development.
	<b>Power conversion:</b> - Batteries - Rugged uninterruptible power supplies - DC-DC converters - Military and rugged power supplies - EMI/RFI filtering, including chassis and system-level	You knew we couldn't forget about batteries, converters, power supplies, and doodads that bring these boards and systems to life. Staff-written material will examine the state of the battery industry that supplies electrical storage to the military. Contributed articles from battery suppliers, nontraditional power sources (such as solar, wave, MEMS, and so on) will round out our editors' somewhat dry matter-of-fact material.
	<b>Standards update:</b> - Eclipse - PC/104 Consortium - PCI Express SIG - PCI SIG - PICMG - RapidIO - VITA  - Others...	The whole thing about COTS is that open standards assure the DoD that second sources exist. We'll take a look at the key trends with a number of the most popular standards used by the military.  Standards organizations – and their member companies – are encouraged to propose article topics.
	<b>Mechanical marvels:</b> - Chassis (ATR, 19" rack, liquid cooled, etc.) - Backplanes - Connectors - Cable assemblies  - Others...	We presented the technical articles in September/October, but in this month's Product Guide we actually do a roundup of the vendors' key products.  The printed list will show the latest products; the online list will include the breadth of OSP's database.