



## NEWS RELEASE

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### **Curtiss-Wright Defense Solutions Establishes MOSA Task Force to Drive Solutions Developed in Alignment with CMOSS and the SOSA™ Technical Standard**

Outlines strategic roadmap for delivering industry's most extensive family of CMOSS-compliant and SOSA aligned OpenVPX™ system solutions at AUSA NOW 2020 Virtual Conference

**AUSA NOW Virtual Conference – October 13, 2020** – Curtiss-Wright's Defense Solutions division, long recognized as the world's leading supplier of rugged [open standards-based system solutions](#) for aerospace and defense applications, today announced its comprehensive strategy for system solutions designed in compliance with the [U.S. Army CCDC C5ISR Center's C4ISR/EW Modular Open Suite of Standards \(CMOSS\)](#) and aligned with standards currently being defined by The Open Group Sensor Open Systems Architecture™ (SOSA) Consortium. Curtiss-Wright, in support of the US DoD Tri-Services mandate to use the Modular Open Systems Approach (MOSA) "in all requirements, programming and development activities for future weapon system modifications and new start development programs to the maximum extent possible," has established a cross-functional MOSA Task Force to streamline the development and availability of these new interoperable solutions. The MOSA Task Force will bring to bear the Company's industry leading expertise in system architecture, packaging, rugged OpenVPX module building block design, and advanced data storage solutions to address emerging customer requirements for cost-effective, high-TRL MOSA products.

"Curtiss-Wright is committed to being the industry leader in delivering COTS hardware solutions that are CMOSS-compliant and developed in alignment with the SOSA Technical Standard," said Lynn Bamford, President, Defense and Power. "Our newly established Task Force brings a multi-

disciplinary approach to the development of the broad range of module types and system architectures that our customers will increasingly demand as these emerging standards become more widely adopted. These new solutions will speed the design, test and deployment of new technologies that meet the demanding environmental requirements for US and allied combat forces.”

In addition to outlining numerous currently available 3U form factor OpenVPX™-based CMOSS compliant solutions, Curtiss-Wright previewed its expansive roadmap for upcoming CMOSS products, enabling customers to immediately engage in meaningful system architecture discussions in order to meet rapidly approaching requirements for CMOSS and SOSA aligned technologies.

### **Curtiss-Wright hardware developed to be CMOSS compliant and SOSA aligned**

Curtiss-Wright already offers a broad complement of open architecture solutions for CMOSS systems, including high performance single board computers (SBC), DSP, GPGPU, A-PNT timing and network switch cards. In addition, Curtiss-Wright provides CMOSS-compliant lab development chassis and rugged deployable multi-slot chassis.

At AUSA NOW 2020, Curtiss-Wright introduced two new variants of its popular VPX3-1260 SBC that feature 40GbE connectivity and provide I/O Intensive and Payload Profile SBCs for systems based on CMOSS and SOSA standards.

#### **Current Curtiss-Wright CMOSS Modules**

- [VPX3-1260 SBC variants](#)
- [VPX3-1707 SBC](#)
- [VPX3-673 A-PNT radial clock timing card](#)
- [CHAMP-XD1S DSP engine](#)
- [VPX3-663 network switch](#)
- [VPX3-687 network switch](#)

#### **CMOSS Chassis**

- 7-slot Lab Development chassis
- 3-slot Rugged deployable chassis

### **Curtiss-Wright CMOSS compliant/SOSA aligned Product Roadmap**

Curtiss-Wright also shared an overview of CMOSS compliant products now in development, including the company's first Software Defined Radio (SDR) modules. These CMOSS compliant LRMs are designed to support advanced tactical communication network waveforms and are suitable for hosting various communications waveforms and Electronic Warfare applications.

### **Upcoming New CMOSS Modules**

- Next generation CHAMP DSP engine
- VPX3-673A A-PNT next generation radial clock timing card
- VPX3-687 network switch variant
- 3U OpenVPX SDR module
- Rugged, encrypted 3U OpenVPX Data Storage Blade

System integrators are encouraged to contact Curtiss-Wright system architects and CMOSS product managers to System integrators are encouraged to contact Curtiss-Wright system architects and C5ISR/EW Modular Open Suite of Standards (CMOSS) product managers at [ds@curtisswright.com](mailto:ds@curtisswright.com) to schedule a discussion about currently available and forthcoming embedded modules.

### **The Open Standards Leader**

Curtiss-Wright is an active contributor to the definition and advancement of the open standards included in CMOSS and those being defined by the SOSA Consortium. We have been a leading participant in the development of CMOSS and SOSA standards since the inception of both initiatives. Curtiss-Wright is a key participant in several SOSA Consortium working groups, including a chair position. In addition, the company has been a leading contributor to the VITA Standards Organization (VSO) that oversees the definition of the OpenVPX, PMC, XMC, and FMC form factor standards that provide the foundation of both CMOSS and SOSA. This makes Curtiss-Wright ideally positioned to work with customers and help guide the development and success of their CMOSS and SOSA aligned applications.

Sales inquiries: Please forward all Sales and reader service inquiries to [ds@curtisswright.com](mailto:ds@curtisswright.com).

For more information about the Curtiss-Wright's Defense Solutions division, please visit [www.curtisswrightds.com](http://www.curtisswrightds.com).

### **About Curtiss-Wright Corporation**

Curtiss-Wright Corporation is a global innovative company that delivers highly engineered, critical function products and services to the commercial, industrial, defense and energy markets. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing reliable solutions through trusted customer relationships. The company employs approximately 8,900 people worldwide. For more information, visit [www.curtisswright.com](http://www.curtisswright.com).

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