

SOSA UPDATE JUNE 2022

The SOSA Update bimonthly E-newsletter from the editorial staff of militaryembedded.com covers the news, blogs, columns, feature articles, videos, podcasts, and more on the activities of the Sensor Open Systems Architecture (SOSA) Consortium, via the Military Embedded Systems collaboration with The Open Group, who manages the consortium, and the SOSA Outreach Committee. The [SOSA Consortium](#) enables government and industry to collaboratively develop open standards and best practices to enable, enhance and accelerate the deployment of affordable, capable, interoperable sensor systems.



NEWS



U.S. Air Force FACE/SOSA Sept TIM registration is live

JOHN MCHALE, GROUP EDITORIAL DIRECTOR

Registration is live for the U.S. Air Force - FACE and SOSA Consortia Technical Interchange Meeting (TIM) and expo being held on September 27, 2022 at the Dayton Convention Center in Dayton, Ohio. The event will feature expert presentations and demos by a cross-section of the defense community and industry on Future Airborne Capability Environment (FACE) and Sensor Open Systems Architecture (SOSA) related topics by a cross-section of the defense community, industry, and academia.

[Read More +](#)

EDITOR'S PERSPECTIVE



USSOCOM and open architectures

JOHN MCHALE, GROUP EDITORIAL DIRECTOR

Enthusiastic crowds were a theme at each show I attended over the last six months, as folks were eager to be back among their defense industry colleagues, clients, and partners. None were more excited than attendees at the annual Special Operations Forces Industry Conference (SOFIC) in Tampa, Florida, a show put on by the National Defense Industries Association

(NDIA). Navigating the exhibition aisles of that show was like trying to walk through a crowded bar, as this was SOFIC's first in-person get-together since 2019.

[Read More +](#)



MEMBER PERSPECTIVE



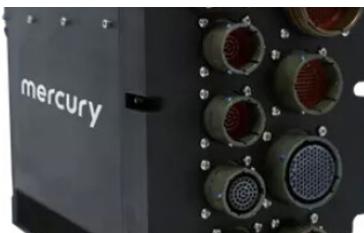
MOSA principles enhance modern military computing systems

PRATISH SHAW, AITECH

With the adoption of a Modular Open Systems Approach (MOSA), the standardization of electronics has pushed rapidly into new markets and platforms. Starting in traditional defense applications, MOSA systems have moved into more advanced systems and applications.

[Read More +](#)

MEMBER NEWS



SOSA aligned, DAL-certifiable mission computer launched by Mercury

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Mercury Systems announced its new Avionics Modular Mission Platform (AMMP), what it calls the industry's first and only SOSA aligned, DAL-certifiable, 3U OpenVPX mission computer that leverages artificial intelligence (AI) and autonomous capabilities.

[Read More +](#)

100GbE Development Kits Aligned with SOSA™ 1.0



MEMBER NEWS



Perigon flight computer to be powered with Intel processor

EMMA HELFRICH, TECHNOLOGY EDITOR

Collins Aerospace announced that its Perigon computer will be the first certified aviation solution to use the Intel Atom x6400E processor. The processor will underpin Perigon's ability to support customers' next-gen flight control and vehicle management needs across a range of commercial and defense platforms.

[Read More +](#)

NEWS



EW market to be driven by faster procurement, deployment on unmanned vehicles, study predicts

LISA DAIGLE, ASSISTANT MANAGING EDITOR

The global market for electronic warfare (EW) systems will be driven over the next several years by the increasing procurement of EW systems by both developed and developing countries and additional deployment of EW systems on unmanned vehicles, according to a recent study from The Insight Partners, "Electronic Warfare Market Forecast to 2028."

[Read More +](#)



FACE SPECIAL EDITION



2022 FACE Special Edition

FACE SPECIAL EDITION

Welcome to the FACE Special Edition, which details the technology and solutions being developed under The Open Group Future Airborne Capability Environment (FACE) Consortium. This magazine is the first of what will be an annual issue, highlighting editorial content on the FACE approach from the pages and website of Military Embedded Systems Magazine, as well as the products aligned and certified conformant to the FACE Technical Standard – all put together exclusively by our staff. Learn about it all in the 2022 FACE Special Edition.

[Read More +](#)

**System Solutions
that Meet the Objective**

Conduction cooled chassis
for SOSA™ aligned payloads

[LEARN MORE](#)

LCR EMBEDDED SYSTEMS **OpenVPX** **SOSA**

MEMBER NEWS

[MOSA strategy key to Bell Textron's addition of SNC to Invictus project](#)



LISA DAIGLE, ASSISTANT MANAGING EDITOR

Military rotorcraft maker Bell Textron has signed a teaming agreement with Sierra Nevada Corporation (SNC) that will add SNC to the Bell Textron team that is working on the Bell 360 Invictus competitive prototype as part of the U.S. Army's Future Attack Reconnaissance Aircraft (FARA) program.

[Read More +](#)

SPONSORED WHITE PAPER



Revolution in Embedded Security

RAMBUS

The growth of computing, graphics, neural processing power, communication bandwidth, and storage capacities have enabled amazing solutions. These innovations have created great value for society, and that value must be protected from exploitation by adversaries.

[Read More +](#)



SPONSORED WHITE PAPER



FACE 3.1 Enhancements. What Could Possibly Go Wrong?

COLLINS AEROSPACE, LDRA TECHNOLOGY & LYNX SOFTWARE TECHNOLOGIES

Today's defense systems are highly sophisticated and based on high-performance mission computers, servers, workstations and signal processing nodes that need to exchange large amounts of information.

[Read More +](#)

Powerful SOSA Aligned OpenVPX Chassis Performance

Pixus is the leader in SOSA aligned chassis platform solutions with 100GbE and PCIe Gen4 backplanes and powerful enclosure cooling!

Applications for Future SOSA Conformant Solutions

Sponsor: Aitech, Curtiss-Wright

Date: On-Demand

[WATCH NOW](#)