

# SOSA™

## Sensor Open Systems Architecture

The Open Group SOSA™ Consortium Newsletter

Issue #6 – 2022 Q2



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### TSOA-ID 2022 was a Success!

The Tri-Service Open Architecture Interoperability Demonstration in March showcased to more than 450 attendees cohesive collaboration between the NAVAIR Air Combat Electronics program office PMA-209, U.S. Army PEO Aviation, and DEVCOM – U.S. Army Combat Capabilities Development Command C5ISR Center, Air Force Life Cycle Management Center (AFLCMC); along with multiple SOSA Consortium Members/Industry Partners that successfully demonstrated products, integration and use of open standards.

View the [TSOA-ID 2022 Keynote presentations](#).

### Leadership Future



*Captain Margaret Wilson, Program Manager, Air Combat Electronics Program Office (PMA-209).*

*Avionics Architecture Team (AAT)*

“HOST and SOSA are highly aligned and complementary, allowing for improved commonality across mission systems and the possibility for reduced

## SOSA Consortium Event

Must be a member to attend.

The consortium meetings resumed in person in March and June. Many thanks to our recent generous sponsors, SRC and SR Technologies.

August 2-4 **SOSA Consortium Face-to-Face Member Meeting sponsored by W.L. Gore in Newark, DE.**

September 28-30 **SOSA Consortium Face-to-Face Member Meeting sponsored by Elma Electronics in Dayton, OH.**

November 15-17 **SOSA Consortium Face-to-Face Member Meeting sponsored by US Army C5ISR Center near Aberdeen, MD.**

## Other Conferences and Exhibits

[Sept 19-21 AFA, National Harbor, MD](#)

[Sept 27 U.S. Air Force FACE & SOSA Consortia TIM & Expo, Dayton, OH](#)

[Oct 10-12 AUSA, Washington, DC](#)

[Oct 25-27 AOC, Washington, DC](#)

## On-Demand Webinars

[Examining the latest standards for rugged Small Form Factor \(SFF\) computing](#)

[Applications for Future SOSA Conformant Solutions](#)

[Solving High-Bandwidth Data Transfer and Memory Access in Data Converter Systems](#)

cost and schedule when replacing or upgrading sensor systems.”

## Do you see SOSA solutions as appropriate for a wide range of NAVAIR airborne platforms?

The potential for reduced cost and schedule, while providing increased commonality and interoperability suggests that SOSA could positively influence all Line Replacement Units on rotary and fixed wing aircraft. More specifically, systems such as embedded navigation/EGIs, Surveillance-Improved Data Modems, Communications-Radios, Mission Computers, and Sensors could see these benefits of incorporating standards like SOSA. All airborne platforms have a set of unique needs and we are looking to apply not only SOSA, but other open system standards like HOST to meet them.

[Read more of Captain Wilson's insights.](#)

## SOSA Technical Status

[SOSA Technical Standard 1.0](#) - Download it today.

## SOSA Business Guide Released

NEW! [SOSA Business Guide, Edition 1.0](#)

## New SOSA Members

## SOSA Articles

[Rugged computing takes on the battlefield networking challenge](#)

[Migrating Advanced Signal Processing Technology to Rugged SFF Platforms](#)

[SOSA: the new paradigm for military procurement](#)

## Videos and White Papers

[The MOSA Imperative](#)

[Navigating the SOSA Technical Standard 1.0 for Interconnect Selection](#)

[Enabling Hardware for modular open systems architecture \(MOSA\): Focus on Power Supplies](#)

## Blogs

[Why SOSA is driving the future course of embedded military electronics](#)

## Press Releases

[Mercury launches industry-first safe, SOSA aligned mission computer](#)

[New Abaco DEVPX3 OpenVPX development chassis cuts costs and time to market](#)

[Curtiss-Wright Introduces Its Highest Performance 3U OpenVPX Digital Signal Processing Engine](#)

## Podcasts

[Accelerating Open Systems Architecture Part I](#)

[Accelerating Open Systems Architecture Part II](#)

The SOSA Consortium has grown to over 100 [members](#) at the Sponsor, Principal and Associate levels. Welcome to new members below!

### Principal level:

[SR Technologies, Inc.](#) upgraded to Principal level

### Associate level:

[II-VI Aerospace & Defense, Inc.](#)

[Analog Devices](#)

[Epirus Inc](#)

[Expeditionary Engineering, Inc.](#)

[ITT Cannon](#)

[Mathtech, Inc.](#)

[Quantic Electronics](#)

[Roke USA](#)

[SI2 Technologies, Inc.](#)

[Variable Software, Inc.](#)

[Wakefield Thermal](#)

[W-IE-NE-R Power Electronics Corp.](#)

For information on becoming a member of the SOSA Consortium, email Mike Hickey [m.hickey@opengroup.org](mailto:m.hickey@opengroup.org)

## Working Groups

The success of the SOSA standard depends on its volunteers and leadership. If you wish to join a working group, send an email to [r.hammond@opengroup.org](mailto:r.hammond@opengroup.org) and go [here](#) for a complete list of working groups:

[SOSA Technical Working Group](#)

[SOSA Business Working Group](#)

## **SOSA Special Edition**

The second issue of the Special Edition is underway! If interested in participating, please contact [Military Embedded Systems Directly](#).

This print and digital magazine features SOSA related editorial content, a list of SOSA members, product profiles, and executive speakouts.

[Download a copy here.](#)

## **SOSA Infographic and Trifold Brochure**

The SOSA Consortium has approved a SOSA infographic and trifold brochure that members can use. The infographic visually shows where the SOSA Technical Standard fits in with other open standards; the trifold includes the infographic and much more. [Download on Plato](#)

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