

SOSA™

Sensor Open Systems Architecture

The Open Group SOSA™ Consortium Newsletter

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The SOSA Consortium Sizzles at New MOSA Summit

Kicking off a first-time ever open architecture/open standards ecosystem event on September 18-19, the **MOSA** (Modular Open Systems Approach) **Industry and Government Summit & Expo** was a resounding win! A great deal of that success is attributed to the event completely integrating (what was previously known as) The Open Group **FACE®** and **SOSA™** Consortia **TIM & Expo**. The two-full-day **MOSA Summit** was held at the Georgia World Congress Center Atlanta. It garnered over 2,000 registrants and welcomed nearly 1,500 attendees. More than 130 Industry and Tri-Services booths showcased the latest OA/OS/MOSA-centric products in the Expo Hall - over 80 booths were represented by **SOSA™** and **FACE®** Consortia Member organizations. Read the full article [here](#).

The SOSA Consortium Represented at AUSA 2023

The Association of the U.S. Army's annual meeting and expo took place October 9-11 in Washington D.C. with record attendance. Over 41,000 people registered for the event, and the packed halls and meeting rooms attest to those numbers. The SOSA Consortium was well represented, with 46 member companies exhibiting, many of which had multi-vendor demonstrations showcasing alignment with the standard and the member ecosystem in action. Read the full article [here](#), along with [additional coverage from Military Embedded Systems](#).



Photo: Valerie Andrew, Strategic Marketing Manager, Elma Electronic and SOSA Outreach Lead

Directory of SOSA Consortium Aligned Products

A [new directory](#) is now available that features products developed to support the SOSA standard. [Submit your products today](#). For those that have already submitted products, thank you. These datasheets have been reviewed for SOSA alignment and feedback will be sent to you if there are any questions. Further inquiries should be directed to r.hammond@opengroup.org.

SOSA Consortium Events

The next F2F is on [January 16-18, 2024](#) in Palm Bay, FL sponsored by L3 Harris. Must be a Member to attend.

Other Conferences and Exhibits

- [AUSA, Global Force](#), March 26-28, 2024
- [AFCEA WEST](#), December 13-15, 2024

On-Demand Webinars

- [SWaP-Constrained SOSA - What's Next for Small Form Factor Computing Envelopes?](#)
- [MOSA Strategies and Power Considerations for Military Systems](#)
- [SOSA and CMOSS: Driving Interoperability](#)
- [How to Apply Open Standards to Systems Using Modular Radio Frequency Architectures](#)

SOSA Articles

- [SOSA's impact on electronic warfare designs](#)
- [A new hope for more secure defense systems?](#)
- [NAVAIR leveraging MOSA in avionics systems](#)
- [Open Standards, SOSA to Simplify Systems in AUSA Demonstration](#)

Press Releases

- [Pacific Defense Showcases its SOSA/CMOSS Equipped Demonstration Vehicle 'Ares' at Bold Quest 2023, Camp Pendleton, CA](#)
- [SOSA embedded computing artificial intelligence \(AI\) | Military Aerospace](#)
- [Concurrent Technologies Launches Highest Performance Plug-In Card](#)

- [New Intel 13th Gen Hybrid CPU Powered 3U OpenVPX Processing Engine is First SOSA Aligned SBC to Support Time-Sensitive Networking for Deterministic Ethernet](#)
- [New OpenVPX Backplanes Supporting SOSA Slot Profiles](#)

Conformance Corner

The SOSA Conformance Standing Committee (CStC) continues to move the whole SOSA consortium closer to SOSA Consortium kick-off day. The CStC completed composition of our Verification Authority (VA) Requirements document and is now awaiting review and approval from The Open Group. This document will provide process guidance to any prospective VA. The CStC also completed review of the Electrical Mechanical Subcommittee's (EMSC) Verification Matrix and Verification Procedures document. Additionally, the EMSC Verification Matrix completed SOSA Consortium review and is now awaiting SOSA Steering approval for publication. The EMSC Verification Procedures document is currently in SOSA Consortium review. Once complete, it, too, will move to SOSA Steering for approval. Lastly, the CStC is currently completing reviews for our Power Supply Card (PSC) and Hardware Plug-In Card (PIC) Verification Matrix. These items will constitute the bulk of our first phase Conformance Program once kick-off occurs.

SOSA Technical Status

SOSA Technical Standard Reference Architecture, Edition 1.0 (Snapshot 3). Download it today [here](#).

Published SOSA Documents

- [SOSA Certification Program Certification Guide Version 1.0](#)

- [SOSA Conformance Certification Program Conformance Certification Policy](#)
- [SOSA Technical Standard Reference Architecture, Edition 2.0 \(Snapshot 1\)](#)
- [SOSA Technical Standard Reference Architecture Edition 1.0](#)
- [SOSA Business Guide](#)

New SOSA Members

The SOSA Consortium has grown to over 150 [Members](#) at the Sponsor, Principal, and Associate levels. Welcome to the new Members below:

Principal level:

- [CACI \(Upgrade from Associate level\)](#)
- [Cisco Systems](#)
- [Owl Cyber Defense](#)
- [Palantir](#)
- [Ultra Intelligence & Communications](#)

Associate level:

- [Arc Compute US LLC](#)
- [Bevilacqua Research Corporation](#)
- [Hiller Measurements](#)
- [Metrea Algorithmics](#)
- [OpenSystems Media](#)
- [PeopleTec, Inc.](#)
- [Spectra Aerospace & Defense](#)
- [TrellisWare Technologies](#)
- [Trillium Engineering](#)

For information on becoming a Member of the SOSA Consortium, email Mike Hickey (Membership Director) [here](#).

SOSA Working Groups

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

SOSA Special Edition

The SOSA Consortium collaborates with Military Embedded Systems magazine to produce the annual SOSA Special Edition showcasing the SOSA Technical Standard. The third issue of the Special Edition has been released! If interested in participating in the next issue, please contact Military Embedded Systems directly, [here](#). 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

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



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