

SOSA™

Sensor Open Systems Architecture

The Open Group SOSA™ Consortium Newsletter

Issue #12 – 2024 Q2



SOSA Consortium Events

[Thank you to SR Technologies for hosting the next SOSA Consortium Face-to-Face meeting on July 16-18, 2024 in Orlando, Florida.](#)

Conferences and Exhibits

[The Open Group FACE® and SOSA™ Consortia Technical Interchange Meeting \(TIM\): MOSA in Practice.](#) TIM panel sessions will be held on September 16, 2024 in Huntsville, Alabama.

The Open Group FACE and SOSA Consortia TIM will be held on September 16, 2024 in Huntsville, Alabama and followed by the FACE and SOSA Consortia Members meetings. [Register here.](#) It will be open to the public and include Keynote(s) and Panel Discussions.

A selected number of FACE and SOSA papers will be presented virtually in December, with the exact date still to be determined. While only a select number of papers will be presented during the Virtual Technical Paper Presentation, all will be published on their respective website. Information on how and when to submit a 2024 TIM paper has been emailed to Members; contact [Sharon Langbehn](#) if you did not receive the email.

Please mark your calendars for the upcoming Open Group FACE and SOSA Consortia TIM and Expo 2025 held in Dayton, Ohio on September 23, 2025.

MOSA Summit 2024 Opens Doors with many Sessions Standing Room Only



The MOSA Industry and Government Summit & Expo was held at the Gaylord National Harbor on June 17-18, with over 3,000 registrants. The sold out expo hall was mostly comprised of FACE and SOSA Consortia Member organizations

This year's event brought dynamic keynote speakers delivering 20-minute talks which began with welcome remarks from CAPT Jarrod Hair, Program Manager for NAVAIR PMA-209. CAPT Hair was followed by the distinguished Dr. David Honey, Deputy Under Secretary of Defense (R&E), and a charming, savvy Ms. Lily Arcusa, Director of Engineering and Technical Management, AFLCMC. Day two also brought notable leadership on stage with HON Dr. Douglas Schmidt - newly installed and impressive DOT&E - who was followed by BG David Phillips, Program Executive Officer, Army PEO Aviation. BG Phillips captivated the audience with news of significant U.S Army MOSA advances and concluded his talk with a powerful video. Taking a good look into the U.S. Navy MOSA efforts, Rear Admiral John Lemmon, Program Executive Officer, Tactical Aircraft Programs, spoke of where and how several MOSA and Open Standards achievements are now in many programs of record. BZ to all Keynote speakers!

The MOSA Summit 2024 agenda was tailored for fast-paced breakout sessions in a Tri-Services track and four other tracks, with nearly all having standing-room-only crowds. One of the panel discussion standouts was entitled: 'You Had Me at Title 10 (MOSA) – How Leading Open Standards Are Charging Forward'. Panelists included Ilya Lipkin, Alan Hammond, Jon Drof, and Jason Dirner representing the Open Standards respectively. This panel was skillfully moderated by John McHale, Executive VP and Group Editorial Director of Military Embedded Systems. Dr. Lipkin from the Air Force Air Combat Command discussed proposed size reductions in computing hardware, noting that he has gotten requests for smaller form factors, i.e. "like 5-inch cubes, and I got a request to go to 2-inch cubes or smaller." He also stressed the importance of converging standards, "making the SOSA Standard the premier technical standard is about the alignment of all the other standards. Our goal has always been more and more tightly aligned integration."

The contributor of this article further wishes to draw attention to the abundant excitement demonstrated by Consortia Members and other exhibiting companies that engaged attendees by shining a spotlight on the latest products, valuable solutions, resources, and expertise as shown in the Expo Hall. More about the MOSA Summit can be viewed at: https://events.techconnect.org/MOSA_2024/.

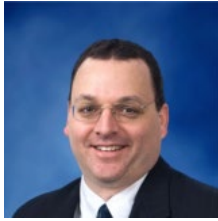
SOSA Request For Information (RFI)

The Army has recently issued an RFI that includes a SOSA reference. The listed **Response Date is July 19, 2024**. Details of the solicitation: [Request for Information - Endurance Uncrewed Aircraft System](#).

The Fourth Annual SOSA Special Edition is Now Available

The SOSA Consortium collaborates with Military Embedded Systems magazine to produce the annual SOSA Special Edition showcasing the SOSA Technical Standard. [Download it today](#).

Leadership Feature



“Membership in the SOSA Consortium, from the perspective of a prime contractor, is extremely valuable. From a business perspective, alignment with business practices and acquisition methodologies ensures we are embracing open standards and MOSA across each decision we make”

Kirk Avery, Fellow and Chief Software Architect for LM-Owego Rotary and Mission Systems (RMS), Lockheed Martin, SOSA Steering Group Committee Vice Chair

Read more about Kirk Avery and his perspective on SOSA [here](#).

Conformance Corner



Due to an update in the existing SOSA™ Taxonomy, specific to the term for SOSA building blocks, the Conformance Standing Committee (CStC) submitted the SOSA Certification Policy, the Certification Guide, and Verification Authority (VA) Requirements documents for approval and publication post a Corrigendum. The Certification Guide was recently published with the updated term. The Policy and VA Requirements are moving through approvals toward publication. The Electrical and Mechanical Verification Matrix, the Power Supply Card (PSC) Verification Matrix, and an update to the Verification Procedures document including information for PSCs are in the final stages before publication. The CStC will submit a first draft of the Hardware Plug-In Card (PIC) Verification Matrix the SOSA Hardware and Electrical Mechanical Subcommittee and The Open Group Certification Manager for review. The Joint Tactical Networking Center (JTNC) is currently working on a Common Test Tool Framework (CTTF) for use by the SOSA Consortium. This will combine with newly created AMPS Test Tool and a Hardware Test Suite in development. Lastly, approvals were received for a 2nd generation Power Supply Card Test Tool and designs underway.

Photo: Patrick Collier, Senior Systems Engineer, Aspen Consulting

The Open Group Directory of Products Aligned to the SOSA™ Technical Standard

Early feedback from acquisition and procurement professionals in the services tells us they now reference the SOSA product directory regularly to find SOSA aligned solutions. Don't miss out, [add your products today](#).

New SOSA Members

The SOSA Consortium has grown to over 170 [Members](#) at the Sponsor, Principal, and Associate levels. Welcome to the new Members below:

Sponsor level:

- [Advanced Micro Devices, Inc.](#)

Associate level:

- [Alpha Data, Inc.](#)
- [Astro, Inc.](#)
- [Brandywine Communications](#)
- [Fuse Integration](#)
- [ManTech](#)
- [Power Device Corporation](#)
- [PTS Expeditionary Communications Inc.](#)
- [Reticulate Micro, Inc.](#)
- [Seagate Technology](#)
- [Thales Defense & Security, Inc.](#)

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

Congratulations to RTX on Receiving the President's Award for Most Valuable Contribution as an Organization

During The Open Group Edinburgh Summit (April 2024), Rolf Siegers, Technical Fellow, RTX Certified Architect, and Master Open-Certified Architect, accepted the President's Award for Most Valuable Contribution as an Organization, on behalf of RTX. After receiving the award, Rolf shared the following with us, on what it meant to him receiving the award for RTX.

"It's a great honor to receive this award on behalf of RTX. This recognition acknowledges our company's emphasis on the importance of open standards and architecting modular, open systems. It is also attributed to the many employees who have contributed to the development of The Open Group evolution, and propagation of open standards. We look forward to continuing our longstanding collaboration with The Open Group and its global standards community."- Rolf Siegers (RTX Corporation)



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 Technical Working Group](#)

[SOSA Business Working Group](#)

SOSA Technical Status

The Open Group Sensor Open Systems Architecture Consortium Releases SOSA Technical Standard Edition 2.0, Version 2 (Snapshot 2). Download it today [here](#).

Published SOSA Documents

- [SOSA Reference Implementation Guide](#)
- [SOSA Certification Program Certification Guide Version 1.0](#)
- [SOSA Conformance Certification Program Conformance Certification Policy](#)
- [SOSA Business Guide](#)

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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