

SOSA™

Sensor Open Systems Architecture

The Open Group SOSA™ Consortium Newsletter

Issue #5 – 2022 Q1



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Upcoming TIM and Expo Featuring SOSA™ and More

March 15 **TSOA-ID 2022**
“Open Standards-Bringing It All
Together”
Holiday Inn Solomons-Conference
Center

Solomons, MD (Near NAS Patuxent River)

TSOA-ID 2022 is a Technical Interchange Meeting and Expo focusing on **MOSA** principles and innovations. This includes **FACE™**, **HOST**, **SOSA™** and **CMOSS**. Influential Keynotes and speakers plus live product demonstrations will deliver a first-hand experience on advancements and solutions in the rapidly growing open market

Leadership Future



Mamdouh Mikhail, Systems /Solutions Architect, Ampro ADLINK Technology, Inc. and Chair of the Business Architecture Working Group

“The Business Guide is intended to

ecosystem. TSOA-ID is proud to announce Mercury Systems, *Premier Sponsor*; Curtiss-Wright, *Distinguished Host*; and Precise Systems, *Special Patron*. The one-day event (www.tsoa-id.net) will feature Open Standards interoperability, reusability and portability to accomplish faster transition and incorporation of innovation and quicker delivery of new capabilities (or replacement technology) to the warfighter. [Register today!](#)

SOSA Consortium Event

March 29-31 **SOSA Consortium Virtual Face-to-Face Member Meeting**. *Must be a member to attend - TBD*

Other Conferences and Exhibits

Apr 3-5 [QUAD-A](#) - Nashville, TN

Apr 4-5 [Sea Air Space](#) - Washington DC

Apr 4-7 [SPIE Def. & Commercial Sensing](#) - Orlando, FL

Apr 26-28 [AUVSI Exponential](#) - Orlando, FL

On-Demand Webinars

[MOSA Virtual Summit](#): Applying open architectures in avionics, radar, electronic warfare, & C5ISR systems includes a series of webinars:

[Keynote for MOSA Virtual Summit: C5ISR/EW Modular Open Suite of Standards \(CMOSS\) "The Army's SOSA Instantiation"](#)

[MOSA for Military Aviation Platforms](#)

advocate from a business-sense why you want to use the SOSA approach. It advocates government and industry coming together, and why from a business sense that really is important."

What's the business case for SOSA?

With the soon-to-be release of the new SOSA Business Guide, Mamdouh Mikhail shares his viewpoints on the purpose of the guide and the business operational view that brings suppliers together with acquirers and how they interact with the Consortium. [Full article.](#)

SOSA Technical Status

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

New SOSA Members

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

Sponsor level:

[US Army PM PNT](#)

Principal level:

[LEONARDO DRS](#)

Associate level:

[Crystal Group](#)
[Herley Industries, Inc.](#)
[Hughes Network Systems, LLC](#)

[Bringing MOSA to Electronic Warfare Applications](#)

[Applying a MOSA Strategy Across Multiple Domains](#)

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

[Evolution of the NanoRF Interconnect](#)

[Driving VPX Market Innovation With The SOSA Technical Standard](#)

[Model 8256 3U VPX SOSA Aligned Development Platform, multi-vendor operation demonstration](#)

Press Releases

[Industry's First 12-Slot, 3U OpenVPX Backplane Aligned to SOSA™ 1.0 Supports CMOSS](#)

[3U VPX FPGA modules first to market with high-bandwidth memory](#)

[Industry's First COTS Mezzanine with 64 GSps ADC/DAC Sample Rates](#)

[Rapid Tuning, Wide Bandwidth Up/Down Converter in a Compact Single 3U Slice](#)

[VPX3U-A4500E-VO, the Highest Performance SOSA™ Aligned 3U VPX GPU Module, Powered by NVIDIA](#)

[Shared Spectrum Company Trenton Systems](#)

For information on becoming a member of the SOSA Consortium, email Mike Hickey 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 and go [here](#) for a complete list of working groups:

[SOSA Technical Working Group](#)

[SOSA Business Working Group](#)

SOSA Special Edition

The SOSA Consortium collaborated with *Military Embedded Systems* magazine to produce the SOSA Special Edition celebrating the SOSA Technical Standard 1.0 release. 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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