



The Open Group FACE™ Consortium Newsletter

Issue #5 – 2022 Q3



Editor's note: This newsletter is public information that may be shared freely with your colleagues.

To subscribe, go to: <https://www.opengroup.org/subscribe-face-newsletter>

FACE Consortium Upcoming Events

Sep 27 [FACE & SOSA TIM](#)
Dayton, OH

Sep 28-30 FACE Members
Meeting
Dayton, OH

Other Conferences and Exhibits

Sep 19-21 [Air, Space & Cyber](#)
National Harbor, MD

FACE and SOSA TIM

The Open
Group
FACE™
and
SOSA™
2022 TIM



& Expo will be hosted by the U.S. Air Force Life Cycle Management Center at the Dayton Convention Center on Tuesday, September 27th. Tri-service leaders and industry experts will present on the theme of “Going Faster with Open Standards.” We also expect

Nov 8-9 [Aerospace Tech Week Americas](#)

Atlanta, GA

New Training Videos

[FACE Conformance Test Suite Learning Series](#)

The Navy's Air Combat Electronics program office (PMA-209) avionics architecture team has created an instructional video series designed to serve as a guideline to address specific tasks using the FACE Conformance Test Suite (CTS). Straightforward and concise, each video is less than fifteen minutes and allows users to view or download additional videos based on their specific needs.

www.opengroup.org/face/ctslearningseries

FACE Consortium News

New Members (Associate-level)

[CAE USA](#)

[MathsWorks](#)

[Rebellion Defense](#)

[Visure Solutions, Inc.](#)

The FACE Consortium has nearly 100 [member organizations](#) at the sponsor, principal, and associate levels, and over 2,100 individual participants.

FACE Consortium Officers 2022-2023

approximate 50 exhibits demonstrating solutions certified or aligned to the FACE & SOSA technical standards.

Co-sponsored by Lockheed Martin and Elma Electronic, the event is open to the public and free to attend, but registration is required.

Register by September 9th

at <https://meet.opengroup.org/event/AirForce-TIM/2022-Sept>

A FACE members meeting will follow the TIM on Sept. 29-30.

Leadership Interview: MOSA TO

Matt Sipe

Director of MOSA Transformation

Mr. Matt Sipe is the Director of MOSA



Transformation for U.S. Army PEO Aviation. He is driving MOSA to help build the team and the environment for a digital ecosystem. [Read](#)

[the interview](#) to see Matt's answers to questions including:

- How will the FACE approach support MOSA model-based acquisition?
- What describes alignment to MOSA?
- What role will FACE play in MOSA?
- Where are we today in term of training resources for implementing MOSA?

Steering Committee

Chair: [Mark Chess](#), Army PEO
Aviation

Vice-Chair: [Marc Moody](#),
Boeing Business Working
Group

Chair: [Lisa Thompson](#),
Lockheed Martin

Vice-Chair: [Shelia Fortner](#),
NAVAIR

Technical Working Group

Chair: [Chris Edwards](#), Army
DEVCOM AvMC

Vice-Chair: [Hebin Luan](#),
NAVAIR

Domain Interoperability
Working Group

Data Architecture Working Group

Chair: [James 'Bubba' Davis](#),
DEVCOM AvMC

Vice-Chair: [Gordon Hunt](#),
Skayl

A diagram of the working
group structure can be
found [here](#).

Working Group Participation:

The success of the FACE
Standard depends on its
volunteers and leadership. If you
wish to join a working group,
go [here](#) for a complete list and
send an email to
ogface-admin@opengroup.us

Press Releases

[Korry Selects DDC-I's Deos
Safety-Critical Real-Time](#)

- How can the FACE Consortium help fill Modular Open Systems gaps?
- Where should we look to expand the use of the FACE Technical Standard?

<https://www.opengroup.org/sipe/face>

Recent Articles



[Northrop Grumman to upgrade and support avionics for the AH-1Z and UH-1Y helicopters for U.S. Marine Corps](#)

Military Aerospace Electronics, 7-Jul-22

The flight computer software is RTCA DO-178C compliant, has ARINC-653 partitioning for safety and security, and complies with the Modular Open Systems Architecture (MOSA) standard. The software is aligned with the Future Airborne Capability Environment (FACE) technical standard.

[Green Hills Software Extends FACE Certified Multicore RTOS to 11th Gen Intel Core i7](#)

Aerospace Tech Review, 14-Jun-22

[Operating System for Next-
Generation Avionics Data
Concentration Products](#) 28-Jun-
22

The 11th Gen Intel Core i7 processor (Tiger Lake) can deliver up to 40x better performance than traditional safety-certifiable processors, but only when all four processor cores are active and used efficiently. The FACE conformant INTEGRITY-178 tuMP RTOS is the only OS to have been part of a multicore certification to DO-178C and CAST-32A multicore objectives.

[The U.S. Army Selects Intellisense Systems for Secure Display Data Transfer Technology](#)

Aerospace Tech Review, 25-May-22

Secure Modular Architecture for Reusable Transfer of Display Data (SMART-2D) technology enables pilots to securely upload key data like flight plans, mission data, or display configurations onto the aircraft via a smart carry-on device like a tablet or electronic flight bag. SMART-2D implements FACE conformant data models and innovatively exchanges display data over a secure network backbone that mitigates the impact to and integrity of mission-critical systems.

[FACE Special Edition](#)

Military Embedded Systems, 6-May-22

The first annual issue highlighting editorial content on the FACE approach from Military Embedded Systems Magazine, as well as the products aligned and certified conformant to the FACE Technical Standard.

[Embracing MOSA – Recent Tests Illustrate the Potential of Open Systems for the Army](#)

Modern Battlespace, 28-Apr-22

General Atomics is in the process of integrating MOSA and FACE into the next generation, extended range version of the

unmanned Gray Eagle aircraft. They teamed up with Collins Aerospace, Parry Labs, Palantir, and Tektonux for a base implementation that breaks apart the business logic from the Human-Machine Interface (HMI) and has a separate transport services segment (TSS). “Because we were all working to the same open standard, this integration happened in just a couple weeks.”

[Open systems streamline helicopter avionics upgrades](#)

Military Embedded Systems, 26-Apr-22

“The digital backbone provides the overall glue for military Future Vertical Lift aircraft that are headed toward real-time, time-sensitive networking (TSN) based on TSN 802.1,” says Chris Polynin, director of business development for L3Harris Technologies Commercial Aviation. “More specifically, these architectures use middleware, which must be compliant to FACE and MOSA standards allowing standardization and interoperability of avionics network elements connected to the digital backbone.”

See more articles from prior quarters on the FACE Consortium [media coverage page](#).

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