

MOSARC™ SOFTWARE SOLUTIONS

OPEN SYSTEMS ARCHITECTURE, FUTURE-READY AVIONICS

Transport Service Segment (TSS) applications and tools

Building on our experience in data-driven, large-scale systems, Collins Aerospace has developed the Mosarc Transport Service Segment (TSS) software solution. As part of our family of proven, future-ready solutions, Collins Mosarc TSS offers a smaller footprint and portability than typical TSS applications in the market, while supporting high design assurance level avionics and rapid development mission components.

Focused on network and bandwidth optimization for real-time avionics

integrations, our Mosarc TSS is flexible and adapts quickly to alternative system configurations.

Mosarc TSS components have been independently verified and certified through the Future Airborne Capability Environment (FACE™) Consortium and provide communication services within the FACE Reference Architecture. Using this approach enables interoperability, modularity and portability by employing design principles required by the Department of Defense (DoD) Modular Open System Architecture (MOSA) strategies.

Mosarc TSS easily supports integration with non-FACE networked components and/or other systems with data models that are not directly compatible.

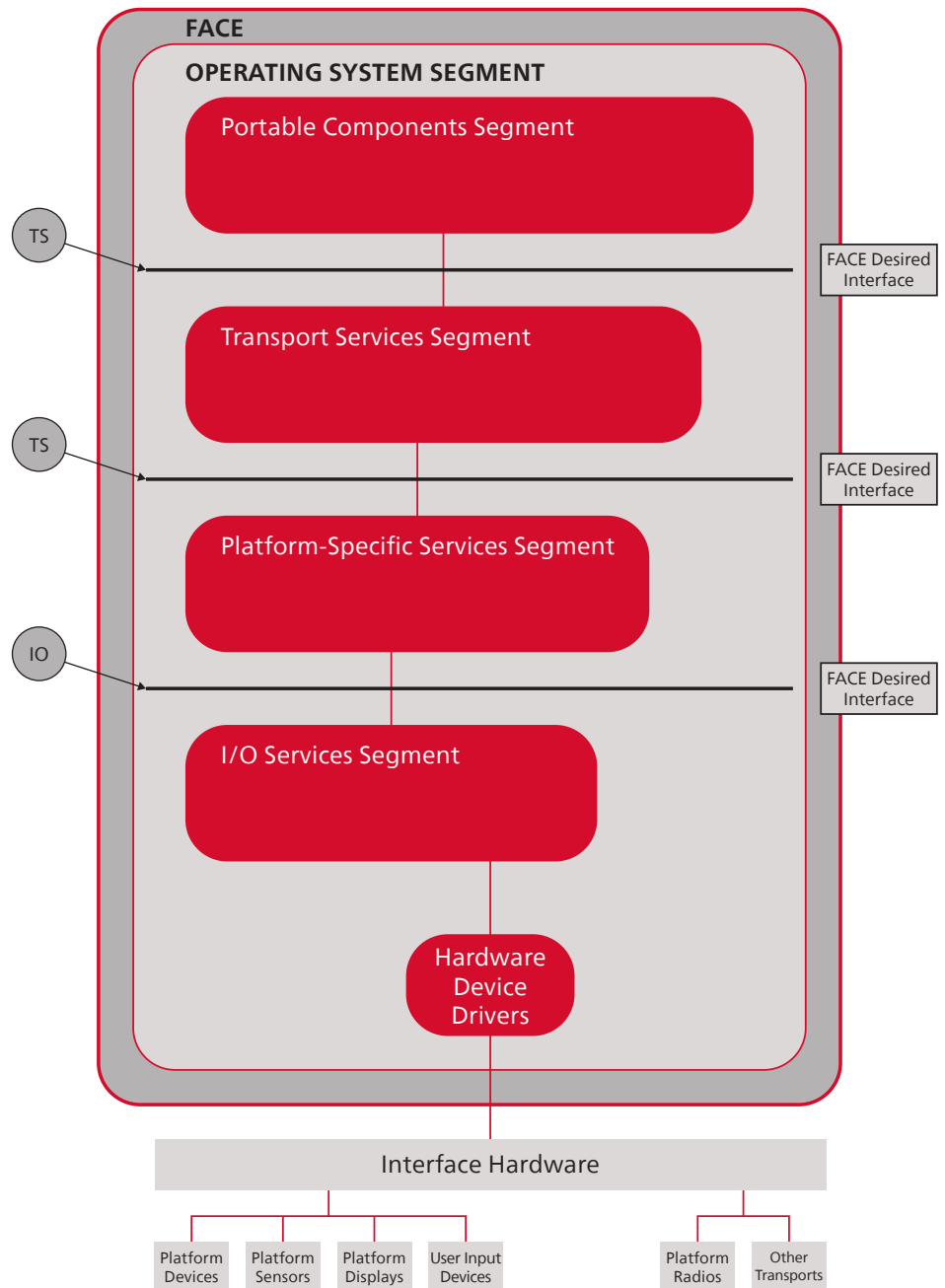
KEY FEATURES & BENEFITS

- Flexible pricing and data rights management
- Integrates with third and fourth party solutions
- Supports multiple computing languages and operating systems
- Breaks vendor lock
- Mixed criticality, DO-178C, up to DAL A
- MOSA conformant
- Cybersecure
- Supports small to large systems
- Optional user friendly tools for third party integrators and developers

ADDITIONAL KEY FEATURES AND BENEFITS

Mosarc Transport Service Segment Software:

- Enables the reuse of the FACE Portable Component Segment (PCS) and Platform-Specific Services Segment (PSSS) Units of Conformance (UoCs)
- Optimizes portability of PCS/PSSS applications by abstracting how messages are packaged and delivered
- Provides ease-of-use for PCS/PSSS component suppliers, application integrators and system integrators
- Offers portability of PCS/PSSS applications by abstracting how messages are packaged and delivered between them
- Has been fielded with FACE 2.1 conformed component Avoidance Re-router (ARR) and MFMS-1000
- Is a FACE 3.1 solution, as demonstrated on endurance unmanned aircraft system (EUAS) integration projects



Specifications subject to change without notice.



COLLINS AEROSPACE

helicopters@collins.com
collinsaerospace.com