

# FLIGHT- AND SAFETY-CRITICAL AVIONICS SOFTWARE DEVELOPMENT

RTCA DO-178B software development services

With more than 19 years of safety-critical software development experience, continuous process refinement and automation, ENSCO, Inc. is a highly efficient, flexible software development resource service for reliable, safety-critical software through RTCA/DO-178B, Level A.

ENSCO's software services provide systems integrators with a flexible option to meet their demanding time-to-market development needs. ENSCO's software engineering staff is experienced in the stringent software development and testing process associated with airborne systems. We provide precisely the right process and domain expertise needed for a particular development or testing need. We have the engineering resources to work with our customers from the software architecture level through low-level testing.

## ENSCO's safety-critical software development services

- Quote your development requirements on either a time and materials or fixed-price basis
- Provide remote or on-site development resources and capabilities
- Provide improved efficiency and schedule performance, leading to recognized cost savings and market competitiveness

## Capabilities

- Variety of embedded OS, CSLeos, VxWorks, Nucleus, Linux, Greenhills
- DO-178B/Mil Std 498 software development processes
- DO-178B/Mil Std 498 software verification—Review, analysis and test through Level A
- Software development tools
- Cleared engineering and management staff
- Breadth of avionics systems domain expertise

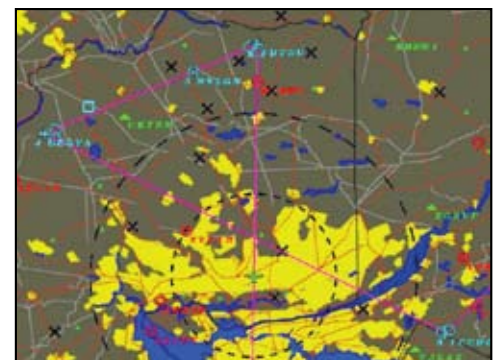
**ENSCO's safety-critical software development capabilities can help you meet your program and product requirements, while reducing cost and schedule risk. We provide resources when and where you need them.**



ENSCO has more than 300 engineers, experienced with all phases of safety-critical software development, including requirements, design, code, test, structural coverage, traceability, quality and configuration management.

## Safety-critical airborne software development and test experience

- Air data computer ARINC429 and 1553 interfaces
- Engine instrument and crew alert warning displays – AMLCD, altimeter, TRA-67 Mode S transponder
- Electronic flight instrumentation system
- Color multifunction displays
- Off-board mission planning system
- Inertial navigation system – GS-2100, LAMPS, V-22 flight computer, F-15 & F18 flight computer, C-5 AMP ACNSI



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Innovation Starts Here

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- Integrated flight displays – LAMPS common cockpit, VAPS projects
- Helicopter electronic flight instruments– LAMPS, SOA, AH-1 Cobra
- Power distribution and control systems, engine and flight controls, cockpit displays (VAPS, graphics, maps, radar, etc.), engine display systems
- Global Positioning Systems
- Digital altitude heading reference system

### **Benefits**

- High-quality, accurate results
- Simplified resource allocation
- Improved productivity and efficiency
- Improved schedule performance
- Access to subject matter experts
- Flexibility to conform to your internal processes
- Fully equipped, secure development facility
- On-site quality assurance
- Competitive pricing

**For more information,  
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