

Independent Verification & Validation

Verification solutions for aerospace and defense programs

ENSCO has been performing Independent Verification and Validation (IV&V) for customers since 1969. Our solutions are customized to meet your program's requirements and time-frame. Our experience includes aircraft, engine and missile programs, as well as weapons and space shuttle systems.

Key Benefits of Using ENSCO for Your IV&V Needs:

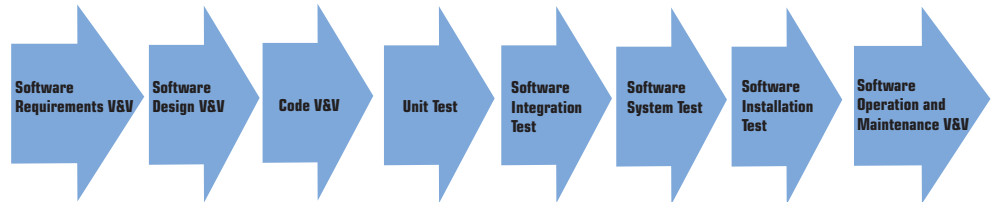
- Comprehensive capabilities
- Quality, driven by precise guidelines
- Competitive pricing

Standards

ENSCO has provided IV&V services against DO-178B through Level A and Military Standards 498, 1679 and 2167.



ENSCO works with you to deliver a high quality verification effort including managing a large verification team, controlling costs and staffing with professionals to meet your schedule.



Software Requirements V&V

Review of concept documentation (if not performed prior to software requirements development)
 Traceability Analysis
 Software Requirements Evaluation
 Interface Analysis
 Initial Planning for Software System Test
 Reporting

Software Design V&V

Traceability Analysis
 Software Design Evaluation
 Interface Analysis
 Initial Planning for Unit Test
 Initial Planning for Software Integration Test
 Report

Code V&V

Traceability Analysis
 Code Evaluation
 Interface Analysis
 Completion of Unit Test Preparation
 Reporting

Unit Test

Unit Test Execution
 Reporting

Software Integration Test

Completion of Software Integration Test
 Preparation
 Execution of Software Integration Tests
 Reporting

Software System Test

Completion of Software System Test
 Preparation
 Execution of Software System Tests
 Reporting

Software Installation Test

Installation Configuration Audit
 Reporting

Software Operation and Maintenance V&V

Impact-of-Change Analysis
 Repeat Management V&V
 Repeat Technical V&V Activities

ENSCO's Software IV&V Process

As a proven expert in this industry, we continually refine our approach so that we can provide customers with the most complete, rigorous process possible. Our dedicated staff will provide a high quality deliverable

that includes documentation of the validation, verification and simulation results, including a complete review of requirements tracked to implementation, specific to each customer's individual needs.

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Experience

ENSCO has performed IV&V services for a variety of programs including:

- A-10
- AH-64
- Airborne Warning and Control System (AWACS)
- B-2
- B-52
- Combat High Accuracy Location System Data (CHALS)
- E-2C
- F-15
- F-16
- Joint Surveillance Target Attack Radar System (JSTARS)
- Light Airborne Multi-Purpose System (LAMPS)
- U-2
- Army Special Operations Aircrafts (MH-47E, MH-60K)
- Multi-Mission Advanced Tactical Terminal (MATT)
- National Missile Defense Booster Vehicle
- U.S. Space Shuttle Program

Customers

- Orbital
- Lockheed Martin
- Williams International
- Hamilton Sundstrand
- MOOG
- BAE SYSTEMS

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