

INDEPENDENT VERIFICATION & VALIDATION

Avionics 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 timeframe. 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

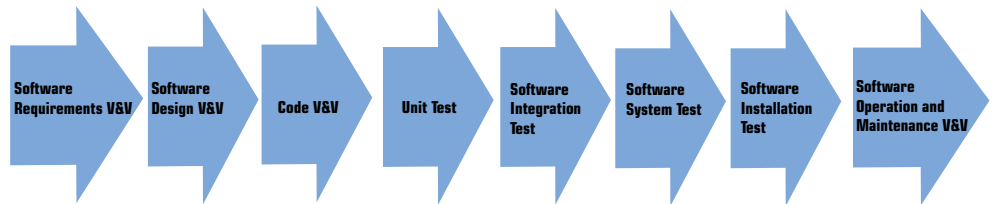
ENSCO has provided IV&V services against DO-178B through Level A and Military Standards 498, 1679 and 2167.

ENSCO'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.



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.



<p>Software Requirements V&V</p> <ul style="list-style-type: none"> 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 	<p>Unit Test</p> <ul style="list-style-type: none"> Unit Test Execution Reporting
<p>Software Design V&V</p> <ul style="list-style-type: none"> Traceability Analysis Software Design Evaluation Interface Analysis Initial Planning for Unit Test Initial Planning for Software Integration Test Report 	<p>Software Integration Test</p> <ul style="list-style-type: none"> Completion of Software Integration Test Preparation Execution of Software Integration Tests Reporting
<p>Code V&V</p> <ul style="list-style-type: none"> Traceability Analysis Code Evaluation Interface Analysis Completion of Unit Test Preparation Reporting 	<p>Software System Test</p> <ul style="list-style-type: none"> Completion of Software System Test Preparation Execution of Software System Tests Reporting
	<p>Software Installation Test</p> <ul style="list-style-type: none"> Installation Configuration Audit Reporting
	<p>Software Operation and Maintenance V&V</p> <ul style="list-style-type: none"> Impact-of-Change Analysis Repeat Management V&V Repeat Technical V&V Activities

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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
L-3 Communications - Display Systems
Presagis
BAE SYSTEMS



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