

# SIMULATION, TEST AND RECORDING SYSTEM (STARS)

One system creates and manages multiple sessions to test the readiness of real-time critical systems, investigate complex "what if" scenarios and perform operator training through the seamless integration of recorded and simulated data. The STARS allows the user to create, add anomalies to, and perform real-time playback of scenarios to critical data processing systems. Its principal uses are for real-time data processing system testing and operator training. It can create simulated data that model a number of different classes of sensor and telemetry systems.

Since 1989, ENSCO, Inc. has developed mathematical models and simulators to reduce the risks associated with control systems and instrumentation modernization programs. ENSCO's STARS is an advanced instrumentation data simulator used to evaluate range safety and mission critical systems.

## Benefits

- Generates synthetic nominal and non-nominal data scenarios
- Allows prerecorded data streams to be re-played intact or modified by simulation
- Scenario support for comprehensive operator training
- Simulate maximum stress conditions that may not be feasible in the real world
- Open architecture allows for integration of user sensors and systems
- Scalable architecture allows the system to grow as requirements expand
- Enhance testing and training by eliminating the need to use operational systems
- Capable of multi-missile (e.g., target and interceptor) scenario simulation
- Source timing or accept external timing
- Real-time data response to receipt of External stimuli



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