

AN/USM-670A JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER (JSECST™)



TRUSTED FOR RELIABLE PERFORMANCE TESTING WITH COUNTLESS PLATFORMS WORLDWIDE

Textron Systems' JSECST delivers confidence for flight crews and the technicians who support them. The JSECST quickly and accurately tests and fault-isolates electronic combat and avionics systems for today's most advanced combat aircraft. The original JSECST configuration has been proven throughout more than 10 years of service. The AN/USM-670A refreshes and enhances the technology, restarting the product's life cycle to extend service life beyond 2030.



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TEXTRON Systems

THE PROVEN SOLUTION FOR EW, RF, MICROWAVE AND AVIONICS PERFORMANCE TESTING

Designated the AN/USM-670A by the U.S. Department of Defense, the JSECST has been endorsed by the Government Accountability Office (GAO), which recommended expanding usage of the system by additional military services and for other types of aircraft. The Defense Department later concurred with the GAO's findings. Today, the JSECST system's advanced electronic, end-to-end test technology has made it the electronic warfare (EW), radio frequency (RF), microwave and avionics test system of choice for platforms and customers around the world.

FEATURES AND BENEFITS:

- Allows realistic emitter simulations and multiple-threat scenario environments
- Off-line test program development using commercial PCs
- In-depth engineering troubleshooting in manual operating mode
- Flexible architecture to handle additional, non-flight line applications
- Expandable hardware and software to meet future test requirements
- Easily configured to support new platforms
- Simple operator interfaces, including user inputs and test set outputs
- All-weather performance, regardless of surrounding interference; MIL-PRF-28800 Class 1



Textron Systems' JSECST delivers affordable, precise and reliable testing for mission-critical systems, giving users confidence when it matters the most.

SPECIFICATIONS

Part Number: 40469-40001-20
National Stock Number: 4920-01-618-5101
Specifications subject to change without notice.

Two RF stimulus channels – 10 megahertz (MHz) to 18.5 gigahertz (GHz)

- Pulse - up to 8 simultaneous emitters per channel (16 total)
- FM
- Continuous wave, or CW
- Fully programmable complex waveforms, including random variations

Measurement system - 10 MHz to 18.5 GHz

- Jammer response (including power measurement and technique analysis)
- Time and frequency domain measurements
- Insertion loss
- Return loss voltage standing wave ratio, or VSWR
- Distance to fault
- Phase



A fully-automated, end-to-end testing and diagnostics technology, JSECST is simple to set up and operate.

Textron Systems Electronic Systems

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