



# VeriDAS

End-to-End Defensive Aids  
System Tester



SPHERIA

# VeriDAS

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**Defensive aids systems are essential in enhancing aircraft and helicopter platform survivability. The SPHEREA VeriDAS End-to-End test system provides confirmation of mission readiness and operational capability through rapid yet exhaustive on-aircraft testing of self-protection systems.**

## **Comprehensive System Test**

VeriDAS tests not only the individual self protection equipment, complementary to any system built-in test capability, but more importantly it confirms end-to-end system functionality thus ensuring that any potential cable faults or degradations are identified. Successive stimulation of the Missile Launch Detection System (MLDS), Laser Warning Receiver (LWR) and Radar Warning Receiver (RWR) sensor under computer control ensures that all the important threats are simulated. The correct reaction of the DAS system is then easily verified by reading out the bus system information, monitoring acoustic and displaying optical warnings of measure reaction at CFD with FLT.

VeriDAS is particularly easy to set up and use. The control interface on the ruggedized tablet computer uses the proven SPHEREA Universal Test and Maintenance Management System (UTMS) software already widely in use on major defence projects.



## Modularity provides high degree of flexibility

The VeriDAS **CENTRAL MEASUREMENT UNIT** uses standard commercial off-the shelf test equipment to provide the most cost effective measurement solution. The modular approach is particular flexible in order to be able to adapt to changes in system requirements or to different platforms. Additional interfaces or measurement resources can be easily integrated into the system.

## A suite of tools to simulate all the threats



- ◆ **Optical Threat Generator** to test Laser Warning Receiver
- ◆ **Ultra Violet Stimulator** to test Missile Launch Detection System
- ◆ **RF Signal Generator** to test Radar Warning Receiver
- ◆ **Chaff/Flare Dispenser Payload Simulator** to test countermeasure

## Application Area

The VeriDAS is an AGE (Aerospace Ground Equipment) for military helicopters and aircrafts useable also for VIP aircrafts. It is suitable for outdoor use and operation in harsh conditions. The VeriDAS can be used in a wide range of scenarios, from in depth analysis during planned maintenance to quick mission readiness check.

# Focused on your critical systems



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