



GPATE

General Purpose Automatic
Test Equipment



SPHERIA

GPATE

General Purpose Automatic Test Equipment for NH90 Avionic Equipment.

The General Purpose Automatic Test Equipment (GPATE) is a generic test bench to test and maintain various Avionic equipment (Line Replaceable Unit = LRU). Its task is to localize defect boards and validate after repair the conformity of Units Under Test (UUTs) against their specification. Measurement instruments can be exchanged and Test Program Sets (TPS) can be enhanced to modify and add test and failure analysis capabilities to customers needs.

This test bench is currently used by European nations within the NH90 program for the maintenance of 34 different avionic equipments of the NH90 helicopter.

Advantages

- Support through our TPS development and the associated TPS runtime environment UTMS.neXt including documentation of the test results
- Active obsolescence management including long term support
- Low development costs by reusing existing HW and SW components
- High TPS compatibility to other SPHEREA platforms
- Ability to validate high power and HF applications
- Cost effective and easy to maintain due to the usage of commercial-of-the-shelf (COTS) elements
- Fieldproven TPS deployment and update process
- Customizable based on individual customer needs



The GPATE is the ideal solution to:

- guarantee maximum operational availability of your military systems
- increase the self-sufficiency of forces
- be deployed in the armed forces permanent maintenance workshops or directly in operations
- the support of electronic and optronic equipment of a large number
- of military planes or helicopters and armored vehicles

Application Area

Used for maintenance testing of major equipment families like:



- Radar/IFF
- Mission computers
- Radio communication
- Engine Control Unit
- EW-Systems
- Fuel Management Computer
- Cockpit Panels
- Microwave Landing System
- Distance Measuring Equipment
- Data Link Interface

Our solutions for your mission in safety and mobility!



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