



Pennant

Integrated Avionics Maintenance Trainer (IAMT)

The IAMT is an aircraft structure with a full size cockpit, with unglazed canopy, representative of a military aircraft combining modern digital displays with older analogue gauges to enable the student to experience a range of aviation technologies.

The IAMT comprises of:

- An aircraft structure containing representative:
 - Cockpit displays, controls and LRUs
 - Ejection seat and safety devices
 - Replaceable avionics LRUs and equipment housed within realistic avionic bays
- Ruggedised tablet from which the student can select and connect virtual test equipment to the aircraft system emulations.
- Instructor Operating Station enabling the following functionality:
 - Integrated Training Management System (ITMS)
 - Cockpit display repeater screens
 - Insertion/Removal of faults
 - After Action Review facility



The cockpit utilises a common generic structure containing aircraft-specific fixtures and fittings for the LRUs in order to facilitate psycho-motor dependant training tasks. The IAMT design is modular with each piece of simulated hardware presenting to the user an aircraft-like physical interface and containing an embedded I/O module to handle communication with the remotely executing software emulation to maximise flexibility of use and commonality of design.

For further information contact our sales team:
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