Multi-Function Training Aid (MFTA)
Quickly Reconfigurable Training Platform
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Lockheed Martin’s Multi-Function Training Aid (MFTA) represents a new generation of affordable training technologies and tools – a quickly reconfigurable platform comprised of commercial off-the-shelf (COTS) hardware that is easily adapted to support a wide range of warfighting and civilian vehicle systems, including fixed-wing multi-crew aircraft, helicopters, maritime craft, trucks and utility vehicles. It is currently in use by the U.S. Air Force to train its Special Operations and C-130 aircrews.

Outfitted with Lockheed Martin’s Prepar3D® simulation software and UltiSim interactive courseware instructional tools, the MFTA’s value lies in its ability to adapt to the customer’s need for rapidly available and affordable training solutions. In short, the MFTA technologies and tools help servicemen and women be better prepared in weapon systems employment and mission execution.

Lockheed Martin continues to enhance the MFTA, keeping affordability and adaptability front and center. Through the development of technologies like MFTA, Lockheed Martin is committed to helping servicemen and women reinvent how they prepare for their tomorrow.

Features/Capabilities:

- Supports training for Conventional and Special Missions:
  - Fixed-wing aircraft
  - Rotary aircraft
  - Maritime craft
  - Submersible craft
  - Ground/utility vehicles
- Focus on familiarization, procedural and support/maintenance training
- Side-by-side multi-touch glass panel cockpit environment
- Additional crew station positions such as navigators, combat systems and fire control operators, and mission support operators
- World-wide WGS-84 database with flight facilities and navigational systems, weather, and air, road, and maritime entity traffic
- Distributed Interactive Simulation (DIS)/High Level Architecture (HLA) interoperability
- Options for the following:
  - Out-the-window displays, heads-up displays, control-loaded flight controls, electro-optical and infrared and radar sensors, weapons and instructional tools providing performance monitoring, virtual instruction, interfacing with SCORM compliant Learning Management Systems (LMSs) and advanced cognitive modeling systems for advanced avatars.