



Surrogate Missiles

Surrogate Missile Systems for
Test and Evaluation of Aircraft
Survivability Equipment



Surrogate Missiles

Missile Airframe Simulation Testbed MANPADS (MAST-M)



Overview

MAST is an 'end-to-end' recoverable surrogate missile system built, maintained, and deployed by BlueHalo.

- High Fidelity Surrogate MANPADS
 - Signature Matching
 - Trajectory and Velocity Matching
 - Real Infrared Countermeasures (IRCM) Responses
- Recoverable, Reusable Missile Design
- Collision Avoidance and Recoverability Profile for Low Cost Non-destructive Flight Testing Against Installed Aircraft Survivability Equipment (ASE)
- 8 Hour Turn-around Between Flight Tests

Features

- Payloads
 - Sensor, Seeker, Radiometer
- Avionics
 - Compact 2.5" Form Factor
 - Precision Inertial Navigation Unit
 - Programmable Guidance and Navigation
 - Guardian Collision Avoidance
 - On-board Data Collection and Real-time Telemetry
 - Re-chargeable Batteries
- Recovery
 - Mid-body Separation Joint
 - Parachute Recovery
- Solid Rocket Motor
 - Real MANPADS Motors if Available, or
 - Custom Surrogate Motors that Replicate MANPADS Signatures, Thrust and Timing

For More Information Contact:

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