

SDT ACMI SYSTEM



AIR COMBAT MANEUVERING INSTRUMENTATION (ACMI) SYSTEM

SDT ACMI System is mounted on F-16 and similar airborne platforms as an external pod form and provides efficient training capability to pilots for A/A, A/G missiles and air defense systems. SDT ACMI System is being used by TurAF effectively in the scope of national and international training exercises. Autonomous attitude and position generation, simultaneous simulation of multiple missiles, real time hit/miss estimation according to real flight conditions, long range and high throughput data link are main futures of the SDT ACMI system.

Expandable and programmable (SDR) data link with ad-hoc feature allows training environment for 150-200 aircraft at the same time and promises a Live-Virtual-Constructive (LVC) training infrastructure.

SDT ACMI System has been operated by Royal Jordanian Air Force at Anatolian Eagle 2019 Exercise in Konya is still being operated by Turkish Air Force.

KEY FEATURES

- 100 NM Air-to-Air, 200 NM Air-to-Ground long range distance
- 150-200 configurable trainer capacity
- High data rate, 5Mbps @application layer
- Software Defined Radio (SDR) Data Link
- Encrypted communications and data recording
- High fidelity weapons and CM/ECM simulations
- Airborne data bus integration (MILSTD- 1553)
- Autonomous TSPI generation
- Real-Time Kill Notifications (RTKN)
- Safety warnings
- Post Mission Interoperability
- 2D/3D mission planning, live monitoring and post mission analysis



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