ICADS

INDIVIDUAL COMBAT AIRCREW DISPLAY SYSTEM (ICADS®)

Superior Situational Awareness Control and Aircrew Debriefs.

Cubic's ICADS® is an advanced Windows-based aircrew combat display and debrief software system operated worldwide.

The system supports individual pilot, squadron-level or in-theater mass debriefs. With ICADS, Range Training Officers can communicate with pilots in real time, control simulated threats and record data for playback at aircrew debriefs. Pilots and instructors can control and display all the data needed for post-flight debriefs.

ICADS is interoperable with various pod configurations and supports inputs from multiple data streams, such as DIS 1278, Test and Training Enabling Architecture (TENA) and Link-16. It can merge additional data types, including T-38 and National Marine Electronics Association (NMEA) data formats.

ICADS is a product that was developed and is maintained through continual dialogue with pilots, range managers, testers and evaluators. It continues to evolve through internal funding, customer funded upgrades, customer feedback and biannual ICADS User Group Meetings.

ICADS is highly portable and operates with air combat training systems in the rangeless/autonomous mode, allowing pilots to train and debrief "anywhere they can fly" without the need for either a fixed or ground infrastructure.

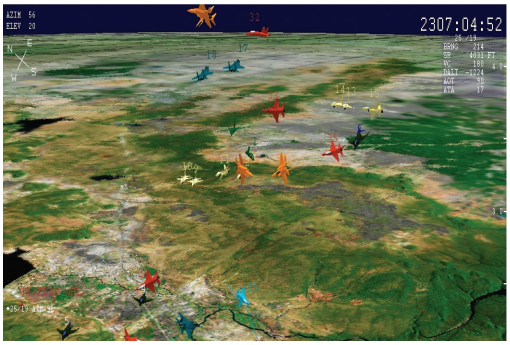
ICADS supports many advanced features including:

- LIVE EXERCISE CONTROL: ICADS provides development and real-time monitoring and control. This allows live controllers to communicate with pilots, control simulated threats and fire simulated threats in real time. ICADS also supports multiple data inputs in real time, including Link-16, DIS 1278 and TENA.
- ADVANCED DEBRIEFS: ICADS allows aircrews to view profiles of all participating aircraft, including flight dynamics, weapons events and outcomes of each engagement, either as individuals using standard PCs, portable laptops or with their teammates in a large debriefing facility. ICADS can be used for data analysis, after action reviews and pilot performance measurements.

- IMPROVED MERGE CAPABILITY: Through the use of the ICADS Merge Editor (IME), additional post mission data can be added to a mission, including Integrated Tactics Assessment System (ITAS), T-38, NMEA, International Gliding Commission (IGC), and European Air Group (EAG) data formats.
- VARIOUS VIEWS: ICADS provides accurate and versatile views of the live and recorded battle, including 2-D, 3D and alphanumeric views. The system features more than half a dozen 3D graphic representations of the training environment, such as centroid, pilot, chase, missile chase, boresight views as well as a ground view to support integration with Close Air Support (CAS) missions.

MAJOR FEATURES

- Supports live monitoring/control and debrief of instrumented ranges and rangeless systems
- Supports additional inputs
- Link-16
- DIS 1278
- Test and Training Enabling Architecture (TENA)
- European Air Group (EAG)
- T-38
- Integrated Tactics Assessment System (ITAS)
- International Gliding Commission (IGC)
- National Marine Electronics Association (NMEA)
- Pre-Programmed synthetic targets/UAVs (drone mode)
- Electronic Warfare Threat Integration
- Real Time Kill Notification (RTKN)
- RTO Kill with Time Event Summary Entry
- Remote Control ICADS
- Allows RTO functionality across a network or
- Operationally run an ICADS debrief across a network
- Weapon Hypothesizer
- Synchronized DVR video and audio data
- Common Operating Picture for combined Air and Ground Training



For users with air-to-ground training regimens, ICADS includes the standard electronic combat threat domes and threat boresight view. It also includes the threat operator view and DATAS view as shown here. The threat operator view allows the ICADS operator to control threats in a more realistic training environment. The DATAS view provides the ICADS operator with a display of threat activity charted over time.

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