LATEST-GENERATION
LIVE, VIRTUAL AND
CONSTRUCTIVE
TRAINING

Latest-generation capabilities for increased operational realism. The next-generation system for secure, Live, Virtual and Constructive (LVC)-capable training is here. JSAS, a collaboration from Collins Aerospace and DRS Training & Control Systems, brings all the capabilities together for high-fidelity air combat training. JSAS provides the first certified, four-level Multiple Independent Levels of Security (MILS) training equipment in both airborne and ground equipment, allowing for tethered and autonomous operations. MILS provides secure interoperability between 5th-Gen and 4th-Gen aircraft, bringing significant training benefit to all participants in a simulated, high-threat combat environment. Further, JSAS supports LVC training now.

CERTIFIED SECURITY
No matter what your training scenario, JSAS provides the secure instrumentation you need for multi-classification information exchange.

- The only air-combat training system with security certification that supports security requirements of today’s 5th-Gen fighters
- MILS architecture capable of four simultaneous encryption channels up to Top Secret
- MILS in both airborne and ground subsystems, for tethered or autonomous operations
- User-configurable security policies for rapid mission reconfiguration

UNMATCHED OPERATIONAL REALISM
Blends synthetic elements with live participants to realistically simulate high-threat air combat situations.

- Full-fidelity threat and weapon simulations for Department of Defense and NATO weapon types
- Real-time kill notification and removal maximizes positive training
- Reconfigurable in flight for effective training in less time
- Able to securely integrate with aircraft data bus/operational flight program
- 5x more network capacity than existing air combat training systems, in the same bandwidth – more live players and excess capacity for LVC traffic
**5TH-GEN TO 4TH-GEN INTEROPERABILITY**

Now you can add depth to exercises by securely enabling 5th-generation, legacy and coalition forces to train together, accurately reflecting real-world environments.

- Scalable system supports participants from the small squadron to the large force
- Integrates with current training assets such as electronic-warfare threat emitters and ground-based participants
- Open systems architecture allows integration of third-party applications
- User-controlled security rule-sets manage information sharing between participants of different security levels

**FUTURE READY**

Not only is JSAS real, certified and operating on ranges today, it’s also designed to advance as your future training needs change.

- Leverages newly developed security and data-link technologies with decades of air combat training expertise
- Overcomes limitations in live threats and training infrastructure
- Provides rapid training response to emerging missions and threats
- Open architecture simplifies obsolescence management and future upgrades with new technologies

**AIRBORNE subsystems**

- Pod instrumentation system
- F-35 fully integrated internal mount system
- Internal/rack-mount system for F/A-18 and support aircraft

**GROUND subsystems**

- Fixed, portable, transportable and shipboard ground systems
- Secure mission room for live monitor/playback
- Remote range unit for real-time monitoring and mission control

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Teamwork that multiplies your training advantages

Collins Aerospace and DRS Training & Control Systems have teamed up for combined expertise that spans the entire air-combat training spectrum. Let us show you how JSAS can elevate your training operations.

- Takes advantage of more than $300 million in technology investment to realize test and training commonality for reduced development and life-cycle costs
- Expertise in MILS encryption, advanced data links, networking, LVC, simulation systems and ConOps
- In-depth knowledge of customer needs in the air-combat training sphere