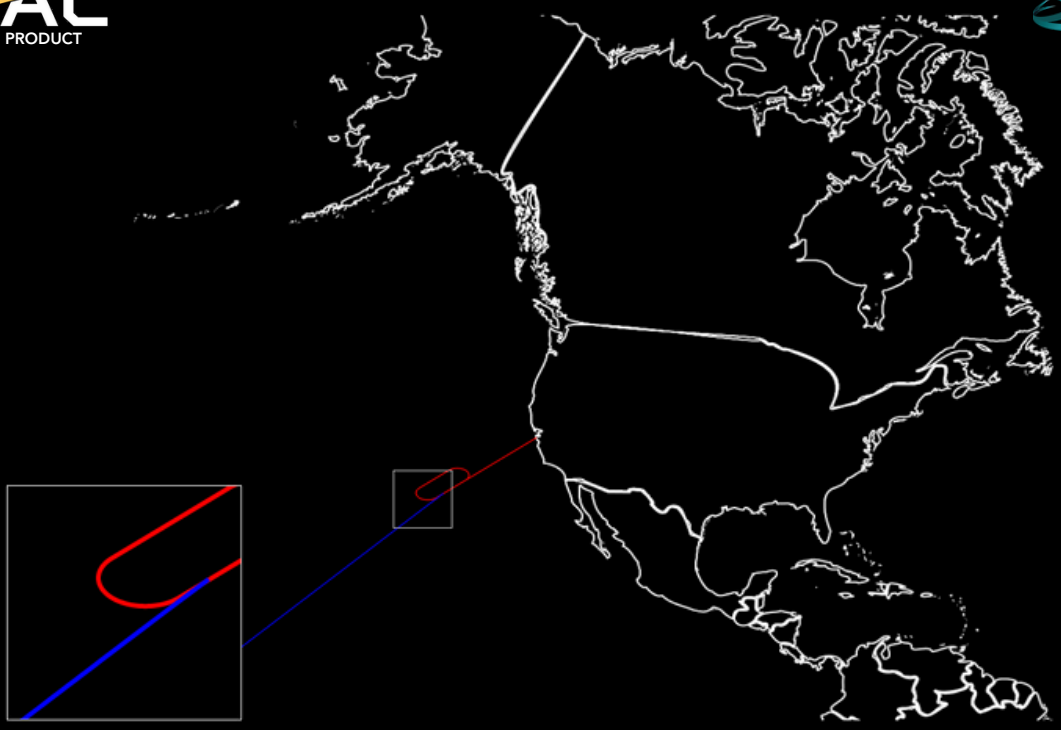
ITAC
A CANVAS PRODUCT

CANVAS



INTEGRATED TRAINING & ASSESSMENT CONTROLLER (ITAC)

ACCELERATING READINESS THROUGH WARFIGHTER-FOCUSED TRAINING AND EMULATION

Canvas is a trusted leader in developing and executing critical test programs for U.S. military capability and national defense. Our experts in Ground and Flight Testing ensure mission success and operational excellence across the entire test lifecycle.

ITAC prepares teams to train like they test. From individual instruction to multi-console simulations, Canvas delivers scalable training tools that improve readiness and replicate real-world challenges.

Canvas developed ITAC to bridge the gap between conventional instruction and the demands of real-world flight test execution. ITAC provides scalable, modular training environments that enable distributed teams to build technical proficiency, enhance situational awareness, and practice mission-critical procedures across test platforms and locations.

TRUSTED BY DoD CUSTOMERS

ITAC MODULE 1

Foundational Computer-Based Training

- Custom web-based lessons focused on flight test and range-specific topics
- Overview of test tools: control room procedures, flight cards, checklists, and constraint docs
- Embedded knowledge checks to reinforce understanding

ITAC MODULE 2

Hybrid Emulation & Scenario-Based Lessons

- Combines virtual lessons with on-console, scenario-based training
- Emulates test-specific nominal and off-nominal conditions
- Includes communication protocol practice and mission safety procedures
- Tailored to specific test ranges and system types

ITAC MODULE 3

Multi-User Emulation Environment

- Real-time, instructor-directed emulation of test range control rooms
- Simulates trajectory files and mission displays to mirror operational environments
- Enhances situational awareness, communication discipline, and team coordination
- Portable deployment options, configurable to classified environments

PROVEN SUCCESS

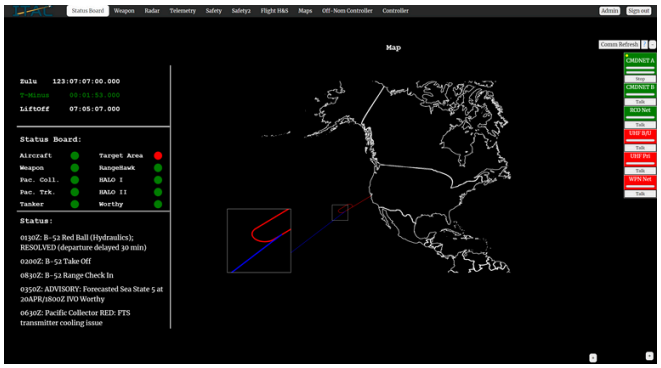
A recent letter from a 53rd Wing Commander praised Canvas team members for their role in a high-stakes hypersonic operations demo:

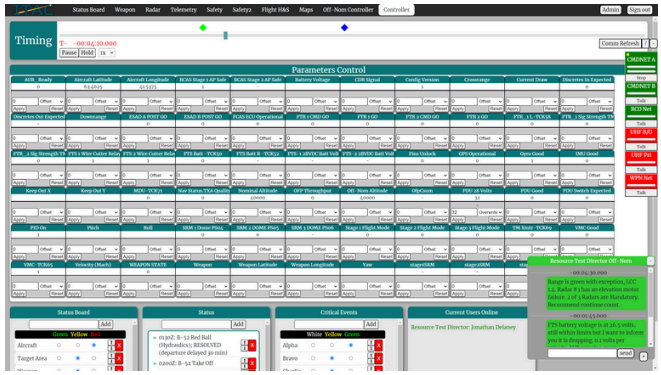
"The success of the ops demo is a direct reflection of your team's dedication and unwavering support for the advancement of hypersonic weapons."

Canvas delivered over 45 hours of mission-focused instruction and on-console training to prepare the operations team for test execution, demonstrating ITAC's value in real-world, time-critical environments.

KEY FEATURES

- Compatible with Chrome (v95+) and Firefox (v94+)
- Supports NIPRNet and SIPRNet operation
- Up to 10 communication channels per session
- Manual or automated "green card" (off-nominal event) functionality
- Master timeline control for all emulated events
- Global chat across console positions
- Editable mission data-points (offset, overwrite, draft)







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