

CAE Next Generation Training Environment

Overview

CAE's Next-Generation Training Environment (NGTE) delivers a revolutionary approach to defense readiness – integrating live, virtual, and constructive (LVC) training, advanced simulation technologies, and data-driven systems to prepare warfighters for the complexities of modern operations. By combining AI-enabled instruction, immersive environments, and open-architecture systems, NGTE ensures scalable, adaptive, and mission-relevant training that enhances national security and operational effectiveness.

Key Features and Benefits

- › Modular Open Systems Architecture (MOSA): Seamlessly integrates third-party tools and enables rapid capability upgrades for interoperability across U.S., allied, and coalition forces.
- › AI-Enabled and Data-Driven Training: Employs artificial intelligence, real-time analytics, and automated performance feedback to accelerate learning and enhance mission outcomes.
- › Connected Simulators and Assets: Links live aircraft, part-task trainers, and virtual environments to create a unified synthetic battlespace.
- › Scalable and Flexible Delivery: Supports both individual and collective training across domains, geographies, and mission sets – from pilot proficiency to multi-domain joint operations.
- › Continuous Improvement and Readiness: Enables agile updates, system expansion, and adaptive learning paths to maintain mission-ready forces in rapidly evolving operational environments.



Interoperability & Integration

The Next-Gen Training Environment is fully compatible with NGTS and the Joint Simulation Environment (JSE) and integrates seamlessly with CAE systems such as:

- › Project CCA: Collaborative Combat Aircraft training
- › CAE HIFARS: Air-to-Air Refueling Simulation
- › CAE VISTA: ISR for situational awareness and mission rehearsal

These interoperable solutions enable comprehensive mission rehearsal, linking real and synthetic environments to reflect the full spectrum of combat operations.



Operational Impact

CAE's Next-Generation Training Environment transforms the training paradigm – moving beyond legacy systems to create joint, coalition-integrated, all-domain ecosystems. The result is a mission-ready, resilient force equipped to perform in the most demanding and unpredictable operational conditions.

This document consists of general capabilities information that does not contain controlled technical data as defined within the International Traffic in Arms (ITAR) Part 120.33 or Export Administration Regulations (EAR) Part 772.

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