

# CAE e-Learning

## Extending our global reach



In response to industry demand for more accessible and operational training, as well as for lower training costs, CAE is providing an extensive library of web-enabled training solutions. These range from aircraft specific simulation-based training aids, simulation-based system and procedural courses to general operating subject courses for pilots and maintenance technicians. These solutions can be used for initial/transition, recurrent and continuous training, as well as for on-the-job-training (OJT). The simulation-based products offer real time interaction with a virtual aircraft using a high-fidelity simulation, thus ensuring that training is consistent with actual aircraft functions. These can all be accessed anytime and from anywhere on the web.



CAE's simulation-based web training solutions will provide you with:

- Lower cost of training
- Reduced down time for pilots, technicians and instructors
- Increased student retention due to operationally focused courseware
- Solutions in line with regulatory changes regarding distance learning
- Reduced maintenance operational costs
- Environment for continuation training
- Learning management solutions for student tracking and record
- Keeping
- 24/7 web service support

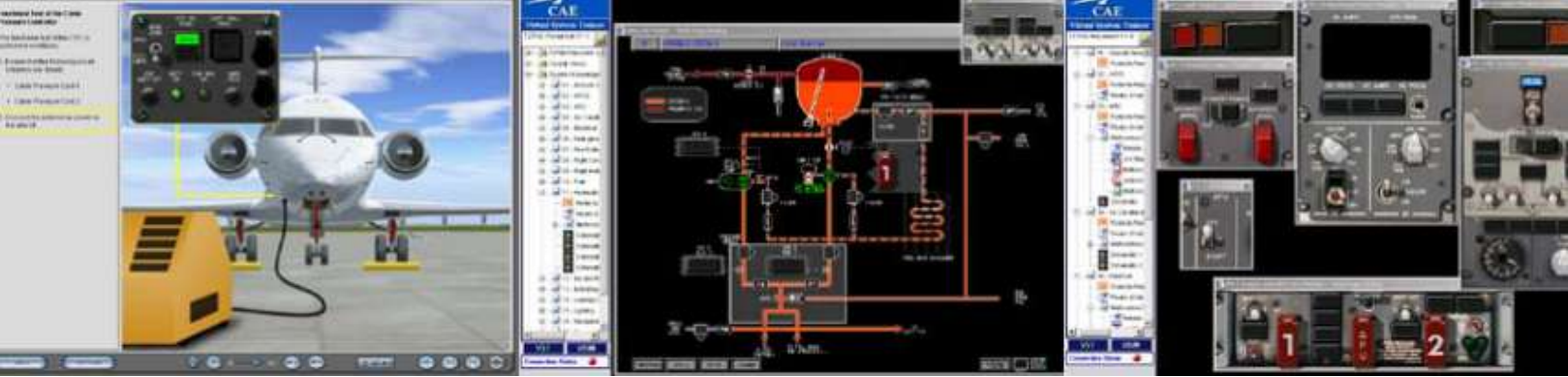
Our e-Learning solutions are another example of our dedication to constant improving our products to address our customers' training needs.

### Self-paced courseware for pilots

CAE has a series of e-Learning courses to support pilot training from initial to continuation training. These include systems and procedural courses and general operating subject (GOS) courses. All courses combine knowledge and skill-based learning and assessments. Courses are available for the B737NG, CRJ-200, CRJ-700, EMB 170, B737-300/400/500, B737-400, B737-700, Cessna 172, Cessna 172S, CRJ700/705/900, Dash 8Q-300, Dash 8Q-300, Dash 8Q-400, ERJ170/190, Eurocopter AS350, Falcon 2000EX, Falcon 7X, and Falcon 900EX .

### Initial, transition and recurrent system modules

These self-paced system modules are designed to not only teach basic system knowledge, but also to let the trainees respond to indications and interact with the various controls as they do in the real aircraft. Advanced tools such as our CAE Virtual Simulator (VSIM) are embedded within these system lessons, increasing training effectiveness. Our lessons allow the student to operate the system virtually in normal and abnormal conditions.



## General operating subjects

A portfolio of web-based GOS courses is available to support the development of aeronautical knowledge not addressed in type- specific courses. These courses include:

- Advanced CRM-TEM (Initial)
- Advanced CRM-TEM (Recurrent)
- Advanced Jet Upset Recovery
- Airports and Runways
- Automatic dependant surveillance broadcast (ADSB)
- Basic Aerodynamics
- Charts, Maps and Airspace
- Clear air turbulence (CAT)
- CRM-TEM Crew Resource Management and Threat And Error
- Controlled Flight into Terrain (CFIT)
- Cold weather operations
- Dangerous good (initial)
- Dangerous goods (recurrent)
- Earth Orientation
- Extended Range with Twin Engine Aircraft Operations (ETOPS)
- High Altitude Operations Package
- High Altitude Physiology
- High Altitude Weather
- High Altitude, High Speed Aerodynamics
- Jet Upset Recovery
- Land and Hold Short Operations (LAHSO)
- Low Visibility Operations (LVO)
- Minimum Equipment List and Configuration Deviation List (MEL- CDL)
- Minimum Navigation Performance Specifications (MNPS)
- Polar Routes
- Pre-Flight Planning
- Radios and Communications
- Reduced Vertical Separation Minimums (RVSM)
- Radios and Communications
- Required navigation performance (RNP)
- Required navigation performance, area navigation (RNP- RNAV)
- Surface movement guidance & control systems (SMGCS)
- Takeoff performance
- Traffic alert and collision avoidance system (TCAS) II Version

## Maintenance gap courses

Gap courses address the essential knowledge and skills required by technicians who will be transitioning from working on general aviation aircraft to the technically advanced systems of today's new aircraft. Relevant simulation is used to provide hands-on experience.

## Specialty courses

These specialty courses are aimed at specific problem areas experienced on an aircraft type that is systematically the cause of excessive aircraft down time or "no fault found" return of aircraft parts and equipment. The courses cover the necessary material within a simulation environment to allow technicians to rapidly diagnose and rectify these aircraft faults.

## Other services

**Learning management systems (LMS)** CAE provides an LMS to launch and manage all web-based, self-paced courseware. It allows for detailed tracking and reporting of student activities, and assessments by instructors. CAE allows you to launch your web-based courses directly within the LMS, thus allowing all student material to be available from the same environment.

CAE has courseware development specialists with extensive subject matter expertise in instructional design, multimedia design, simulation-based training methodology, aviation training, and web technology. We can offer you this expertise for:

Curriculum design – analyze your curriculum, content and delivery methods to derive the optimal solution to efficiently meet your web (and non-web) requirements.

Courseware development – develop new courses to address your needs, integrate simulation with your existing materials, or web-enable your existing courseware.

Hosting and web support – provide the infrastructure to host and maintain your web lessons and the resources to ensure servers are up and running when needed.

**For information about other CAE e-Learning courses, visit: <http://www.caelearning.com/>**



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