

Human Factors

A blended training approach

In response to industry demand for more accessible and operational training, as well as more cost-efficient training solutions, CAE has combined its advanced training technology with the Internet to offer a blended approach to human factors training that brings you flexibility, convenience and cost-efficiency, without compromising on quality.

Human factors are physiological, psychological and social elements that influence performance. Human factors training, as mandated by regulatory authorities for all aircraft maintenance technicians, is designed to heighten awareness of factors that cause human error. It better enables students to assess a situation and recognize a chain of events that may lead to an accident or incident.

While CAE offers the complete human factors course through traditional classroom training, which can be conducted in one of our many training centres around the world or at a site of your choice, CAE now also offers you a more cost-efficient blended training course, bringing together traditional classroom training and e-Learning. The course can be provided as a stand alone module, or as part of a blended solution, which is a combination of self-paced and face-to-face instructor facilitated training. Compliant with regulatory requirements, this blended approach to human factors training is designed to improve safety within your maintenance operations while reducing training costs.

Self-paced portion:

The course exposes the trainees to the basic concepts using a combination of media and interactive exercises that reinforce the 12 key common elements.

The self-paced courseware has an approximate duration of three hours and covers:

- History of human performance in aviation maintenance
- Automatic and conscious performance
- Familiarization of the dirty dozen (12 key common elements of human nature that can contribute to a chain of events)

Instructor-led portion:

The face-to-face training portion of the course focuses on exercises and case studies that increase the students' awareness and understanding of various elements of human nature and more specifically how they have contributed to accidents and/or incidents in the past. This course has a typical approximate duration of one day and includes these various activities:

- Exercise on errors affecting installations
- Strategies to maintain an effective team
- Exercise reinforcing communications and teamwork
- Various case study exercises

e-Learning

CAE's e-Learning solutions can be used for initial/transition, recurrent, continuous, and on-the-job training (OJT), creating a continuous learning environment throughout a technician's career. Based on your requirements, courses can be taken entirely over the web or in combination with traditional training methods. Courses can be launched and tracked from an LMS, allowing instructors to supervise and track learner success in real time. These courses are frequently updated to reflect the most current technical and regulatory realities. Most importantly, training is self-paced and can be accessed anytime and from anywhere through the web, allowing customers to benefit from, flexibility, cost savings related to travelling and living expenses, improved operational efficiency, reduced down times for pilots, technicians and instructors, and remote accessibility – anywhere, anytime.