



Embraer CAE Training Services

An assessment of the client's current knowledge and proficiency helps determine at which phase of pilot or technical training the individual will begin. Before advancing to the next phase, each client is evaluated and tested to ensure a proper and thorough understanding of the material that has been obtained. This phase-by-phase learning approach provides an integrated real-world training experience.

Pilot training phases

Initial training

- **Flight skills assessment** - Based on the pilot's current qualifications, the Phenom 100 training program may begin with an oral, written or simulator evaluation to help determine the pilot's current knowledge and skill level. Once identified the training program is tailored to the pilot's proficiency level while ensuring no training scenario is overlooked.
- **Pre-training study package** - To ensure pilots have complete knowledge of safe jet operations, this package focuses on Phenom 100 aircraft systems as well as general operation subjects (GOS) such as high-altitude meteorology for jets, collision avoidance and various other topics.
- **Ground school** - Each pilot will spend 28 hours in a state-of-the-art multi-media classroom. In addition, each pilot will spend 12 hours learning the Phenom 100 aircraft systems and procedures in an integrated procedures trainer (IPT). An IPT is a flat panel trainer that fully simulates the cockpit within the actual 3-D spatial environment.
- **Simulator training** - Based on the pilot's proficiency level assessment, 21 to 28 hours are spent training in a full-flight simulator. The true fidelity, hands-on training takes pilots through various scenario based lessons to help build on their existing knowledge and skills.

Recurrent training

- **Ground school** - Training involves each pilot reviewing aircraft normal systems as well as abnormal and emergency procedures. Additional advanced training subjects are also available to choose from including courses on runway safety and crew resource management.
- **Simulator training** - Depending on a client's training needs, a one-to-five day recurrent course will be offered for Part 91 and Part 135 fleet operators. Similar to initial training on a full-flight simulator, the recurrent course focuses on scenario based lessons.



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Technical training phases

Maintenance initial - The initial maintenance course provides a detailed description of aircraft systems' operations, component locations and maintenance and troubleshooting. This course is designed to provide the technical knowledge needed to maintain the aircraft in both a safe and cost-effective manner.

Update/refresher - This course is a system update for those who have completed maintenance initial training in type. It focuses on real maintenance issues affecting the fleet and includes a review of aircraft and systems information from the OEM, field service advisories, serve bulletins and airworthiness directives applicable to the aircraft.

Avionics maintenance training - This course provides an aircraft maintenance technician with a practical working knowledge of Phenom 100 avionics and addresses basic principles of operation. It also reviews aircraft sub-system operation, functional testing, fault analysis and current avionics changes. Upon completion, the technician is able to perform routine functional checks, system troubleshooting and fault analysis to the line replaceable unit (LRU) level.

Familiarization training - This course addresses basic principles of operation and gives the individual an overview of all aircraft systems and their operation.

Engine run proficiency training initial - Designed for experienced aircraft maintenance technicians, this course trains technicians to operate the Phenom 100 aircraft for maintenance purposes. The course includes in-depth classroom instruction on aircraft safety and airport operations as well as specific aircraft operating procedures. Normal and emergency procedures are discussed in detail and then demonstrated in the Phenom 100 full-flight simulator. Initial training in type is required as a prerequisite.

Engine run proficiency update/refresher - This course is suitable for aircraft maintenance technicians who have previously attended initial engine run proficiency training. The course includes a classroom review of aircraft systems and airport operations as well as a full-flight simulator session during which the aircraft maintenance technician must demonstrate the ability to operate the aircraft safely in an active airport environment.

Training tools and materials

- Media presentation
- General information manual
- Maintenance training manual
- Wiring diagram manual
- Maintenance operating handbook
- Wall/poster cockpit images
- Manufacturer's technical manuals
- Garmin prodigy simulator
- CAE SimuFlite schematic viewer
- Phenom 100 simulator

For more information or to book your training, please visit our website at www.embraer-cae.com or contact us at 972-456-8000. You can also contact us by e-mail at ects@embraer-cae.com.



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