

Learning to fly an Eclipse Jet is easier than you thought



## Fly Safe. Fly Fast. Fly an Eclipse Jet.

Eclipse Aerospace, Inc. (EAI) embraces a comprehensive training program that is designed to exceed the requirements to pass the type rating practical test. The EAI training program highlights topics such as Single-pilot Resource Management (SRM), risk management, aviation physiology, and upset recovery. These topics are intended to prepare the Eclipse pilot for all situations that may potentially be encountered in the high altitude jet environment. EAI recognizes that their customers have succeeded in other endeavors by exercising command and initiative, and expects that they will do the same in the Eclipse Jet training program.

## Training Types and Requirements

### Pre-Requisites

Pilots are required to possess a Private Pilot Certificate with Instrument-Airplane Land rating, and a Third Class Airman Medical Certificate to enter the Eclipse Jet Type Rating course. You may perform your multi-engine rating in the Eclipse Jet. EAI recommends obtaining your multi-engine rating prior to training in the Eclipse Jet.

The prerequisites to the type rating training focus on a basic knowledge foundation for high altitude flight in turbojet aircraft, skill assessment to determine readiness for type rating training, and preparation for emergency situations, which may be encountered during turbojet operation.

### Jet Basics:

Jet Basics introduces the basics of operating a jet aircraft in the high altitude environment. For those with little or no turbojet experience, the Jet Basics course is very beneficial. Jet Basics is an online / DVD course.

### Flight Skills Assessment:

The Eclipse Flight Skills Assessment evaluates a pilot's readiness to begin type-rating training in the Eclipse Jet by assessing the candidate's basic instrument skills. The Flight Skills Assessment is performed in your current aircraft, by a Flight Instructor of your choice, in coordination with EAI. EAI may perform this

assessment in the Eclipse Jet as an alternative. The Flight Skills Assessment criterion is equivalent to an instrument proficiency check.

### Emergency Situation Training

The Emergency Situation Training Program is comprised of Upset Recovery Training and Aviation Physiology Training. Emergency Situation Training augments traditional aircraft type training in ways that can better prepare pilots for unexpected situations and substantially influence the probability of safe outcomes. EST is designed to provide Eclipse Jet pilots the information and experience required to deal with situations involving an unexpected aircraft upset or a loss of pressurization.

Upset Recovery Training will be conducted by third party training organizations authorized by EAI. These training organizations comply with the EAI requirements as well as the upset training guidelines in FAA Advisory Circular 61-137A. Students may select the authorized training organization that best suits their needs.

Aviation Physiology Training may be completed through an online / DVD course covering the appropriate subjects.

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## Initial Type Training

The ground school portion of the Eclipse Jet Type Rating course includes classroom instruction, and cockpit procedures training. Knowledge training subjects will include aircraft systems and automation, single pilot resource management, risk management, personal minimums, and aircraft performance planning.

The classroom training may also be accomplished through an online computer based training program provided by Eclipse Aerospace or Simcom Training Centers.

Cockpit Procedures Training demonstrates normal and abnormal operation of Eclipse Jet systems and automation. Instructors may conduct the cockpit procedures training in a training device, or the actual airplane.

The typical type-rating course includes a minimum of eight lessons in the aircraft, or simulator. The flight training starts slow and methodically builds in complexity. In the introduction flight the pilot will learn visual maneuvers such as Takeoffs and Landings. Towards the completion of training the pilot will gain experience in simulated abnormal situations including, wind shear recovery, engine failures, and other malfunctions. At the conclusion of training the pilot will demonstrate their proficiency of the type rating practical test standards to an Examiner. A typical check ride profile consists of the following events.

- Takeoff / Departures
- Steep Turns
- Stalls
- Unusual Attitudes
- Precision Approach – 2 Engines – to a missed approach
- Non-Precision Approach – 2 Engines – to a missed approach
- Non-Precision Approach to a Circle to land maneuver
- Simulated Engine failure on takeoff
- Precision Approach – Simulated Single Eng – to missed approach
- Precision Approach – Simulated Single Eng – to full stop landing

Simulator training is performed at Simcom Training Center Park South location in Orlando, FL. For pilot's choosing in-aircraft training the primary locations are Albuquerque International Sunport in Albuquerque, NM and Chicago Executive Airport in Wheeling, IL. EAI may conduct initial type training in other airport locations as required.

## Want to Know More About the Eclipse Jet?

To learn more about the Eclipse Jet, visit our website at [www.ECLIPSE.aero](http://www.ECLIPSE.aero). Want to speak with a sales representative about purchasing an Eclipse Jet? Call us toll-free at 877.375.7978 or email [sales@eclipse.aero](mailto:sales@eclipse.aero).



## Mentoring Program

Upon completion of the type rating practical test, the training experience is continued via the Mentor Program. This program is intended to provide the newly type rated Eclipse Jet pilot the ability to operate in the airspace system with an increased level of safety. Although EAI has designed the Eclipse Jet to be highly automated for single pilot operation, the airspace system presents a wide variety of airspace, weather, and other operating conditions that the pilot may not have experienced during initial training. EAI has designed the Eclipse Jet mentoring program to be events-based and provide the pilot with sufficient exposure to events or situations that the pilot is likely to experience during a wide range of operations, tailored to their specific operating profile. The focus of this phase of training will be situational awareness, thought process, and decision making while acting as a solo pilot. The EAI representative will be a Mentor in the truest sense—a trusted counselor and teacher. Mentoring is not a second check ride, nor a pass/fail situation. It is intended to be an enjoyable and rewarding maturation experience.

EAI, using FAA Advisory Circular 61-137A, will specify a range of flight hours, based on previous flight experience. Each customer will propose a mentoring profile to his/her Mentor prior to beginning the mentoring phase. The profile will represent the typical mission(s) and environment, which are expected to be flown by the customer on a routine basis. These missions may be flown in conjunction with your business trips to maximize efficiencies.