

PROFESSIONAL AVIATION TRAINING

Gulfstream G650 Performance/ Weight and Balance Pre-Course

Course Information

This one-day course is designed to familiarize pilots, dispatchers and other flight operations staff members with the performance of the G650. For pilots, this course is conducted prior to initial training. The instructor leads the client through a scenario based flight session which highlights Performance and Weight and Balance covered in the initial course. The objective is to build a solid understanding of Performance Planning, reducing common mistakes, and improving situational awareness.

Course Curriculum – 1 Day	Pre-Course
Course Module	4 Hours
G650 Weight and Balance	0.5 hours
Aircraft Performance and Flight Planning Training Session	3.5 hours

Weight and Balance includes the following subjects:

- Aircraft Normal Operations
- Aircraft Basic Weight review
- Weight and Balance Forms
- Flight Loading Computation Review
- ZFW Envelope Review
- Proper Pitch trim for takeoff
- AFM Weight Limitation Review
- Floor Loading Limit review
- Scenario Question Review

Performance and Flight Planning includes the following subjects:

- Locate and review definitions within the AFM
- Calculate Zero Fuel and Landing Weight
- Determine trip time, initial flight level, trip fuel, and takeoff weight
- Correct runway length for wind and slope
- Determine required runway for rated and flex thrust power settings
- Determine required runway length for a wet runway
- Determine whether climb requirements can be met
- Use cruise planning charts
- Determine alternate airport flight information
- Calculate approach speed and determine approach climb gradient
- Describe rules of thumb for preventing overruns
- Determine landing distance
- Recall limitations for reduced thrust takeoff
- Flight Plan Loading
- Performance Initialization

Course Dates - For course dates, please contact the Learning Center listed below.

Training Locations & Contact Information

Savannah, Georgia • 800-625-9369 • 912-644-1000 • fax 912-644-1096 • savannah@flightsafety.com