



## TBM 700 Pilot Training Program

### RECURRENT TRAINING

This syllabus includes the following phases:

1. Academic Training

The academic training includes a one-day, eight-hour classroom based course to review the technical descriptions, limitations, normal, abnormal and emergency operations of various aircraft systems.

2. Flight Training

Flight training in the trainee's aircraft is accomplished during two two-hour periods for a total of four hours pilot flying time.

### ACADEMIC TRAINING OUTLINE

<u>DAY</u>	<u>SUBJECT</u>
1	Systems Review Exam Aircraft General High Altitude Operations Flight Controls Fuel System Electrical System Landing Gear and Flaps Powerplant and Propeller Environmental System Pressurization System Ice and Rain Protection Oxygen System Pitot Static System Lighting Systems Warning Systems Weight/Balance Performance



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## Flight Training Period 1

Duration                    1.5 Hour Brief  
                                      2.0 Hour Flight Training  
                                      .5 Hour Debrief

### Objective

To review instrument approach procedures using full and partial panel operations. To identify system malfunctions and to accomplish the corrective action.

### Content

1. Briefing - primary lesson objectives discussion:

- a. Engine start - GPU  
    Review start limitations
- b. Normal takeoff  
    Autopilot climb
- c. Cruise  
    Max speed  
    Intermediate  
    Long range
- d. Emergency procedures  
    Simulated engine failure  
    Emergency landing gear extension  
    Electrical failure  
    Emergency descent - 178 KIAS  
    Power lever/Fuel control failure

e. Instrument procedures  
    Holding  
    NDB, VOR, ILS approaches  
    Autopilot coupled approach  
As appropriate to certificate

- f. Landings - review as necessary

2. Flight training to proficiency on briefed items.

3. Debriefing - discuss trainee's performance and knowledge concerning:

- a. Instrument flight operations and procedures with a full panel and with failed instruments.
- b. Identification of system malfunctions and the corrective action.



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### Flight Training Period 2

Duration:           1.5 Hours Brief  
                          2.0 Hours Flight Training  
                          .5 Hours Debrief

Objective:

To review with the trainee with high altitude, pressurized flight under IFR. To plan and execute a cross-country flight.

Content:

1. Briefing - primary lesson objectives discussion:
  - a. Weather gathering
  - b. Flight planning and filing procedures
  - c. Takeoff (IFR or VFR as appropriate)
  - d. Cruise
    - High altitude operations
    - Enroute procedures
  - e. Arrival
  - f. Instrument approach (As appropriate)
  - g. Landing
  - h. Emergency procedures review as necessary
2. Flight training to proficiency on briefed items
3. Debriefing - discuss trainee's performance and knowledge concerning:
  - a. High altitude flight operations
  - b. Instrument approach procedures (As appropriate)
  - c. Aircraft systems operation - normal and emergency



## *TBM 700 Pilot Training Program*

### **TBM700 RECURRENT PILOT FLIGHT TRAINING COMPLETION REQUIREMENTS**

1. Flight Planning, Weight and Balance
2. IFR Navigation
3. Instrument Approach Procedures (Precision and Non-precision)
4. Missed Approach Procedures
5. Circling Approach Procedures
6. System Emergency Procedures to include: Engine Malfunctions, Electrical Malfunctions, Vacuum or EFIS Malfunctions (as appropriate)

Satisfactory completion must be to the level of pilot certificate held by the trainee, using the appropriate FAA Practical Test Standards, and the FAA Approved "*Pilot's Operating Handbook*" as criteria for the maneuvers and procedures. Instrument items need not be accomplished by VFR ONLY pilots.