



ABS Flight Instructor Academy

Course Descriptions

American Bonanza Society/ABS Air Safety Foundation www.bonanza.org

Overall

The ABS Flight Instructor Academy teaches the techniques and procedures developed by ABS' contracted instructors in over three decades of teaching in Beech aircraft. The Academy serves three purposes:

1. Educating and standardizing experienced Beechcraft instructors, to acquaint instructors with the many variations of ABS-type airplane systems and operation, add new instructors to BPPP, and increase the training options available to ABS members;
2. Educating and standardizing certificated flight instructors who do not yet have significant type-specific experience, to improve the safety and quality of the Beechcraft instruction they provide and support developing the next generation of BPPP instructors; and
3. Providing a convenient, low cost and standardized method of renewing BPPP instructor accreditation as a biennial ABS/BPPP requirement.

I WELCOME

Introduction to the purpose and scope of the ABS Flight Instructor Academy

II INSTRUCTIONAL PHILOSOPHY

BPPP's instructional philosophy and the conduct of BPPP flights.

III SYLLABUS AND COMPLETION STANDARDS

BPPP's Initial and Recurrent training syllabus required and optional items, and requirements for earning a BPPP Completion Certificate, a Flight Review endorsement and/or an Instrument Proficiency Check endorsement.

IV INSTRUCTION IN SINGLE-CONTROL AIRCRAFT

Regulations and requirements for instructing in single-control Beechcraft, and techniques for safely providing that training.

V STANDARDIZATION PAPERWORK

Procedures, forms and requirements for scheduling, conducting and reporting the results of BPPP instructional flights. Includes invoicing requirements for instructor payment.

VI GENERAL EMERGENCIES

Techniques and procedures for emergency scenarios common to Beech piston airplanes.

VII ENGINE FAILURES IN BONANZAS AND DEBONAIRS

Techniques and procedures for engine power loss, glide and off-airport landing procedures in single-engine Beechcraft.

VIII ENGINE FAILURES IN BARONS AND TRAVEL AIRS

Techniques and procedures for engine power loss, single-engine maneuvering and single-engine approach and landing in multiengine Beechcraft.

IX LANDING GEAR

Normal and abnormal operation of the Beech landing gear system, including preflight inspection and manual landing gear extension procedures.

X SINGLE-ENGINE FUEL SYSTEMS

Fuel system design and operation in the various models of Beech Bonanzas and Debonairs.

XI MULTIENGINE FUEL SYSTEMS

Fuel system design and operation in the various models of Beech Travel Airs and Barons.

XII BY THE NUMBERS

Optimal power settings, pitch attitudes and flap and landing gear configurations for the various models of ABS-type airplanes, for predictable performance and reduced pilot workload in all phases of flight.

XIII PREFLIGHT

Beech-specific preflight inspection items, customer preflight briefings and common mechanical “squawks” found on customer aircraft.

XIV MANEUVERS, PART I

A how-to guide to safely and effectively presenting items on the BPPP flight training syllabus.

XV MANEUVERS, PART II

A how-to guide to safely and effectively presenting items on the BPPP flight training syllabus.

XVI MANEUVERS, PART II

A how-to guide to safely and effectively presenting items on the BPPP flight training syllabus.

VXII PRESENTING ENGINE FAILURES IN BARONS AND TRAVEL AIRS

Specialty techniques for safely and effectively presenting items on the BPPP multiengine syllabus.

VXIII DEBRIEF

Getting the most out of a post-flight debriefing, including suggestions for additional practice or instruction.

VXIX FLIGHT INSTRUCTOR PROFESSIONAL DEVELOPMENT

Suggestions for becoming an even more effective and professional flight instructor.

Instructors enrolled in the ABS Flight Instructor Academy also have access to the full BPPP Online program, to enhance their knowledge of the various configurations of Beechcraft Bonanza, Debonair, Baron and Travel Air even further.