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## **Beech 1900 Systems Courses**

Whether you are preparing for an upcoming 1900 ground school or captain upgrade, this collection of Beech 1900 online courses is for you. The courses cover all of the major systems of the 1900 and include downloadable .pdf schematics. There are over 600 eLearning pages in the curriculum.

The courses were written and graphics designed by Aviation Solutions, publisher of best selling UE Systems and UC Systems books, which have been used to train tens of thousands of 1900 pilots.

Regional airlines or training providers can use the online courses for a pre-study requirement, which can shorten the required ground school time by days. The flexibility of the platform the courses are written in allows us to customize the courseware to your training specifications and the serial numbers of the aircraft you operate. This flexibility also allows us to stay current with changes to the Aircraft Flight Manual and Pilots Operating Manual to update the courseware.

When the online courses are added to your customized learning center, managerial reports are available so you can track the progress of training, download training certificates, and view quiz scores along with and many other features.

### **1900C Differences**

The courses are based on the Beech 1900D model. The 1900C Differences course details the differences between the 1900D and 1900C model across all of the systems.

### **Aircraft General**

The Aircraft General course covers an exterior walk around that describes all of the major components of the Beech 1900. The interior section of the course describes each panel in the cockpit along with a typical cabin layout.

### **Avionics**

The Avionics course describes in detail the audio panel and how to operate it. It also covers TCAS and GPWS.

### **EFIS**

The EFIS course details the different modes of the EADI, EHSI, and reversionary panel.

### **Electrical**

The Electrical System course details the three sources of DC electrical power, external power, and each electrical bus. There is also a section on the AC electrical system. Electrical system annunciators and limitations are presented. A downloadable electrical system schematic is provided in the course.

## **Engines**

The Engines course describes the five major sections of the engine; gas generator, combustion, power, accessory, and reduction gearbox. The course includes a downloadable engine diagram, discussion of the cockpit engine controls and instrumentation, and descriptions of a normal engine start, hot start, and hung start. Annunciators and limitations associated with the engine are also detailed.

## **Environmental**

The Environmental course covers engine bleed air along with the pressurization and pneumatic systems. The pressurization section describes temperature control, the pneumatic section describes the vacuum system, and the environmental system annunciators and limitations are presented. The course also includes a downloadable environmental schematic.

## **Flight Controls**

The Flight Controls course details the primary and secondary flight controls. The primary flight control section describes the aileron, elevator, and rudder. The secondary flight control section describes trim, flaps, yaw damp, rudder boost, and autopilot.

## **Fuel**

The Fuel course describes each fuel tank and how fuel flows from the tanks to the engine. Fuel system annunciators and limitations are presented. The course also includes a downloadable fuel system schematic.

## **Ice Protection**

The Ice Protection course details both the anti- and de-ice equipment installed in the 1900. The ice protection system annunciators and limitations are also presented.

## **Landing Gear and Brakes**

The Landing Gear and Brakes course details both the landing gear and brake system. The landing gear section has a downloadable system schematic. The brake section details the anti-skid and power steering components. Annunciators and limitations associated with the landing gear and brakes are presented.

## **Memory Items and Limitations**

The Memory Items and Limitations course reviews all of the memory items and limitations published in the Aircraft Flight Manual for the 1900.

## **Propellers**

The Propellers course details the major components of the system along with the three propeller governors. There is a downloadable propeller governor schematic included. The autofeather system is also described in detail.