



Learning about Cockpit Automation: From Piston Trainer to Jet Transport

By Stephen M Casner

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.Two experiments explored the idea of providing cockpit automation training to airline-bound student pilots using cockpit automation equipment commonly found in small training airplanes. In a first experiment, pilots mastered a set of tasks and maneuvers using a GPS navigation computer, autopilot, and flight director system installed in a small training airplane. Students were then tested on their ability to complete a similar set of tasks using the cockpit automation system found in a popular jet transport aircraft. Pilots were able to successfully complete 77 of all tasks in the jet transport on their first attempt. An analysis of a control group suggests that the pilot's success was attributable to the application of automation principles they had learned in the small airplane. A second experiment looked at two different ways of delivering small-airplane cockpit automation training: a self-study method, and a dual instruction method. The results showed a slight advantage for the self-study method. Overall, the results of the two studies cast a strong vote for the incorporation of cockpit automation training in curricula designed for pilots...



READ ONLINE
[6.49 MB]

Reviews

An extremely wonderful book with lucid and perfect information. It is one of the most awesome publications I have read. Your life period will probably be enhanced the instant you start looking at this pdf.

-- Prof. Dan Windler MD

It is really an amazing publication I actually have at any time read. It is really simplistic but unexpected situations inside the 50 percent of your pdf. It has been written in an exceptionally simple way in fact it is just right after I finished reading this ebook where it actually transformed me, altered the way I really believe.

-- Dr. Celestino Spinka III