



AIRCRAFT CONTROL AND GUIDANCE SYSTEMS COMMITTEE

Spring 2014 Short Course

11 March 2014

8:00AM to 5:00PM

Aircraft Handling Quality Testing for the Practicing Engineer

Presenters:

David Klyde, Systems Technology, Inc.

Lou Knotts, Calspan Corporation

Brian Lee, Boeing Commercial Airplanes

Dave Mitchell, Mitchell Aerospace Research

Dick Newman, FAA, Retired

Course Description: This team of professionals in handling qualities will present a one-day overview of the field from a test perspective. Topics will include the basic methods of handling qualities testing, military and civilian requirements and compliance, test techniques, testing for pilot-induced oscillations, and effects of display dynamics. Both fixed-wing airplanes and rotorcraft handling qualities will be covered. The course is intended as an introduction to the terms and tools applied to handling qualities testing today, whether in analysis, simulation, or flight. Any engineer involved in flight research or flight test will benefit from the material presented.

Course Prerequisites: No special background education or training is required. Some familiarity with aircraft stability and control will help. The course will be of interest to anyone with previous experience with flying qualities or handling qualities testing. Upper-level undergraduate or graduate students in aerospace-related majors will find the course of value as well.

Course Cost: \$300 per person. Cost includes course and handouts. Breakfast and lunch will be provided.

How to Register: Register online at www.acgsc.org or email secretary@acgsc.org
Registration deadline: 4 March 2014

Course Location: Inverness Hotel and Conference Center, Englewood, CO (Board Room 1)