

Date

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Signature



ADVANCED AVIATION TRAINING DEVICE
APPROVAL QUALIFICATION GUIDE
FOR AZURE COMPUTING, INC (d.b.a. **ELITE** Simulation Solutions)
ELITE® ATD SYSTEMS

MODEL: ELITE AATD RC-1

The purpose of this guide is to provide information to the FAA for evaluation of the **ELITE**® PCATD systems. The **ELITE**® software and the various hardware controls have many possible combinations. Only the specified aircraft modules and hardware systems listed in this qualification guide are being submitted for approval.

B. CONTROL REQUIREMENTS: PHYSICAL CONTROLS

Physical and virtual control requirements can be met for the following items using the hardware components listed in the appendix A of this qualification guide.

1. A physical, self-centering, displacement yoke.
2. Physical, self-centering rudder pedals.
3. A Physical, throttle lever or power lever.
4. Mixture, propeller, and throttle control(s) as applicable to the family of airplanes replicated.
5. Physical controls applicable to the aircraft for the following:
 - a. Flaps
 - b. Propellers
 - c. Mixtures
 - d. Pitch Trim
 - e. Communication and Navigation Radios
 - f. Clock or Timer
 - g. Gear Handle
 - h. Transponder
 - i. Altimeter
 - j. Microphone with push to talk switch:
Compatible devices: Standard Microphone or Headsets with push to talk switch
 - k. Carburetor heat if applicable
 - l. Cowl Flaps

6. Control Inputs: ELITE Simulation Solutions AG, a.k.a. Initiative Computing AG, Switzerland, has certified that the transport delay between the control inputs to recognizable system response is less than 300 milliseconds for all controls listed in appendix A of this Qualification Guide. Calculated transport delay is approximately 25 milliseconds or less.

6a. At each startup **ELITE** software runs a series of test and will display a conformation message if all controls are working properly or appropriate warning messages if any design parameter is out of tolerance.

C. DISPLAY REQUIREMENTS

All aircraft modules listed in this qualification guided meet or exceed the display requirements of Ac-61-136. Pictures of each aircraft module suitable for the Model RC-1 are shown in Appendix B: