RC-1 Advanced Flight Training Device Procedures

Prepared for: All CFI's and Customers
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Overview

The RC-1 is an advanced flight training device which allows the following time to be logged by the student or pilot:

- 2.5 Hours Private Pilot Training
- 20 Hours IFR Training
- Instrument Proficiency Check (less approach to Landing)
- IFR Check Ride (less approach to Landing)
- 50 Hours Commercial Training
- 25 Hours ATP

Qualifications to Log Time

- The FAA approval letter for the RC-1 must be available for both the customer and the instructor at all times.

- An RC-1 CFII or AGI must be present to have any time logged in this simulator by the customer or student.

Start Up Procedures

This FTD is powered by two (2) computers. 1: Mac Mini Instructor computer which runs the simulator software and flight controls; 2: AlienWare Visualizations computer which runs the three large graphic displays. Both of these computers must be started up and shut down correctly to avoid malfunctions in the operating system which run the FTD.

1. Verify that the key and all switches on the yoke and instrument console are turned off (everything).

2. If not already on, Turn on the large white switch attached to the external flight deck (left side) by pressing the On button (hold it down for a second or two). This will turn on both computers, all three graphics monitors, and the FTD itself. **NEVER turn off this switch before shutting down Windows on both the instructor and the Visualization computers.**

- The instructor computer monitor will flash white, then the Windows desktop should be displayed. Please be patient as this can take a bit of time

- The Graphics monitors should show Windows starting, then the visualization software will start automatically placing the aircraft at the center of 25R at KLVK

- *Note: If one or both of the computers do not boot up, wait for Windows to start up on the computer (if any) that seems to be working, then double click the Shutdown Icon. Turn everything off again, and try once more. If the problem persists, please contact the owner.*

3. Once the Visualization computer is showing the KLVK runway, double click the Elite AATD software on the instructor's computer. Note that this software works quite a bit like the PI-135 Basic ATD that we have been using at Ahart for quite some time. The user interface will be much the same.

4. After the Elite AATD software has been loaded and an airplane and location selected by the instructor, the Visualization system will need to reload the terrain and airport/location graphics before the FTD can be used. Please be patient with this as it can take some time. The message on the instructor's display should disappear and wait 30 seconds or more before using the FTD to make sure the visualization computer has completed loading.

5. Right click on the instructor display and press Freeze from the menu to unfreeze the simulator.

6. Start using the simulator.

End of Flight Procedures

1. Turn off all switches on the yoke and instrument console. ***These MUST be turned off before the Elite AATD software is unloaded.***

2. Right click on the instructor's computer desktop with the mouse and select **Quit** to end the simulator program.

3. Lastly, turn off the key.

End of Day Procedures

1. Turn off all switches on the yoke and instrument console. ***These MUST be turned off before the Elite AATD software is unloaded.***

2. Right click on the instructor's computer desktop with the mouse and select **Quit** to end the simulator program.

3. Lastly, turn off the key.

4. Go to **Flight** on the Visualization computer's menu bar (top left of left graphics screen) and select **Quit**. Verify by clicking **Yes**. This will unload the visualization program from the Visualization computer.

5. Double click on the **Shutdown** Icon on the Visualization computer's desktop (left side of left screen).

6. Double click on the **Shutdown** icon on the Instructor computer's desktop.

7. Wait for both of these computers to fully shut down.

8. Turn off the large white switch attached to the external flight deck (left side) by pressing the Off button (hold it down for a second or two). This will turn everything off. ***NEVER turn off this switch before shutting down Windows on both the Instructor and the Visualization computers.***

Notes

- If you have any questions about the operation of this FTD, please contact the owner

- If any problems occur during the use of the FTD, please squawk and place in the owner's mail box.