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Simulator B747-2001	AC121-14C PHASE II APPROVAL TEST GUIDE	REV E

**SUMMARY**

This document verifies that the simulator's performance, stability, control and handling characteristics are comparable to a Boeing 747-200 Series aircraft equipped with GE CF6-50E2 engines in all flight regimes. It comprises two volumes:

Volume I -- "Test Description and Source Data" contains:

- Simulator test data necessary for Phase II qualification, as outlined in FAA Advisory Circular 121-14C, Appendix 3, dated August 29, 1980 (Appendix A)
- Copies of the source reference data (Appendix B) used to validate the simulator's performance.

Volume II -- "Test Results" contains:

- Simulator test results for each test listed in Volume I Appendix C.

**Simulator Configuration**

FAA Simulator ID ..... 106  
 FAA Qualification Level ..... Phase II (AC 121-14C)  
 Manufacturer ..... Singer Link (AST)  
 Initial Certification Date ..... 29 August, 1980  
 Host Computer ..... SEL 32/77  
 Simulated Power Plant ..... GE CF6-50E2  
 Motion System ..... 6 Degrees  
 Flight Director ..... Collins FD 108 / *SPERRY*  
 Visual System ..... RSI SP1T (3 Channel / 4 Window)  
   Field Of View ..... Horizontal 80° / Vertical 32°  
   Atlas / FAA Custom Models ..... KORD (Runway 14r)  
   ..... KLAX (Runway 24r)  
   ..... KJFK (Runway 31r)  
 Library Models ..... KPRD, KJFK, KSFO, KLAX, KDTW  
 Ground Segment ..... KLAX (Runway 24r)  
 Circling Approach ..... Not Authorized  
 Fire Detection / Protection ..... Automatic 'Halon' System in the Bay and  
   Portable 'Halon' Fire Extinguishers in the Cab.  
 Emergency Exits: ..... Two Doors and Ladders in the Maintenance  
   Area, in front of the Simulator. Rear Door using  
   Manual Release.  
 Motion Interlocks: ..... Door and Bar.  
 Emergency Stop Button: ..... One on top of the Instructor Operator Station.  
 Hydraulic Cutoff Switch: ..... One on the left side of the Lower Aft Pedestal  
   (removes Control Loading Hydraulic Pressure)