Job Description Title: Simulator Technician I

Division/Department: Technical Services

Location: (Site)

Reports to: Manager, Simulator Maintenance/Shift Supervisor

Work Schedule: Sunday through Saturday
Must be able to be flexible and work all shifts on an as needed basis. Overtime as required, must be pre-approved by supervisor.

Summary of duties and responsibilities:
Position provides engineering/technical support services required to maintain flight simulators and other related training devices to Regulatory standards and Pan Am's Simulator Quality Management System (SQMS). Responsibilities include providing daily readiness, preventive and corrective hardware/software maintenance, and fault diagnosis on training devices and related equipment.

Primary duties and responsibilities:
1. Develop simulator technical support skills by applying technical knowledge to perform simple or routine tasks associated with best commercial practice and guidelines detailed in the SQMS procedures.
2. Develop capabilities to perform corrective and preventative maintenance in accordance with Regulatory and SQMS standards.
3. Develop technical competence to troubleshoot simulator systems to include computer systems, visual systems, I/O, and hydraulics/motion/flight controls.
4. Develop ability to conduct simulator quarterly performance tests.
5. Assist customers in operation of simulators, and instructor station operation.
6. Develop abilities to conduct simulator pre-flights and preparation of training devices for customer training.
7. Performs other related duties and assignments as required.

Responsibility for work and/or training of others:
N/A

Direction/Supervision Received
Primarily receives tasks and priorities for work assignments from the shift supervisor or assigned Senior Simulator Specialist.

Knowledge/Skills:
1. Have demonstrated knowledge in repair of computer systems and networks, electrical systems, electronics and electro-mechanical systems.
2. Demonstrated competence through satisfactory progressive performance in an electronic or computer/network maintenance environment.

Education/Training
1. 2 Year Technical Degree in Electronics Technology or related field and/or related experience.
2. Completion of training program(s) on specialized training in a flight simulation related field
3. Completion of aircraft ground schools and assigned internal training program

Work Experience:
0 to 2 years in providing technical support on flight simulators or related equipment

Physical environment/working conditions:
Work conditions include exposure to heavy machinery and computer/office environments. Physical environment will include working with hazardous materials such as hydraulic fluids and solvents. Additional requirements would include the ability to lift up to 50 lbs., sitting, standing, bending, stooping, or working in an elevated condition.

Equipment/machinery used:
Full flight simulators and other training devices manufactured by various companies. General operational knowledge of office equipment such as facsimile, copier, personal computer, etc.