Job Description Title: Simulator Technical II

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.

Exemption Status: Non-exempt

Summary of duties and responsibilities:
Position provides technical support services required to maintain flight simulators and other related training devices to Federal Aviation Administration (FAA) 14 CFR Part 60 and PAIFA's Simulator Quality Management System (SQMS) standards. 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. Performs advanced hardware and software analytical diagnosis and corrective maintenance on simulators and associated training media.
2. Performs and/or installs configuration changes, upgrades, or other modifications of equipment under supervision.
3. Ability to execute simulator diagnostics and QTG tests to assess and monitor simulator performance.
4. Provide expertise in the repair of major assembly to the component level if required.
5. Performs other related duties and assignments as required.

Responsibility for work and/or training of others:
May be required to conduct "on the job" training for entry-level technical staff.

Direction/Supervision Received
Primarily receives tasks and priorities for work assignments from the shift supervisor

Knowledge/Skills:
1. Working knowledge of aircraft systems and operations applicable to simulation, avionics and aircraft systems.

2. Understanding of applicable FAA regulations and applicable technical standards as applied to flight simulators and other training devices.
3. Knowledge of electronics and ability to apply hardware/software diagnostic skills in systematically isolating and resolving simulator discrepancies.
4. Continue to build technical expertise in all aspects of simulator systems to include computer systems and networks, visual systems, I/O, hydraulics/motion/flight controls.
5. Skilled in assisting customers in operation of simulators and instructor station operation.
6. Fully competent in conducting simulator preflights and preparation of training devices for customer training.

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:
2 to 5 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.