



**Job Description Title:** Electronics SimTech  
**Division/Department:** Technical Services  
**Location:** Miami, FL  
**Reports to:** Manager, Simulator Maintenance/Shift Supervisor  
**Work Schedule:** 8 hour Shift  
Must be able to be flexible and work all shifts on an as needed basis.

**Exemption Status:** Non-exempt

***Summary of duties and responsibilities:***

Position provides technical support services required to maintain flight simulators and other related training devices, Responsibilities include providing daily readiness, preventive and corrective hardware/software maintenance, and fault diagnosis on training devices and related equipment.

***Primary duties and responsibilities:***

- Performs advanced hardware and software analytical diagnosis and corrective maintenance on simulators and associated training media.
- Performs and/or installs configuration changes, upgrades, or other modifications of equipment under supervision.
- Ability to execute simulator diagnostics and monitor simulator performance.
- Provide expertise in the repair of major assembly to the component level if required.
- 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:***

- Knowledge of electronics and ability to apply hardware/software diagnostic skills in systematically isolating and resolving simulator discrepancies.
- Knowledge in electronics measurement device, DVOM, Oscilloscope, Amp-meter, etc.
- Knowledge of AC/DC power systems, and power supplies.
- Experience with wiring diagrams, schematics and printed circuit boards.
- Continue to build technical expertise in all aspects of simulator systems to include computers, systems and networks, visual systems, I/O, hydraulics/motion/flight controls.
- Proficiency in MS-Office, Excell, WP, Power point, windows terminal.

***Education/Training***

- 2 Year Technical Degree in Electronics Technology or related field and/or related experience.

***Work Experience:***

- 1 to 2 years in the Electronics Technology field.
- Excellent problem-solving skills with the ability to troubleshoot technical issues effectively.
- Strong communication skills for interacting with team members.

***Work Experience Plus:***

- 2 to 5 years in providing technical support on flight simulators or related equipment

***Physical environment/work 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 are manufactured by various companies. General operational knowledge of office equipment such as copiers, personal computers, etc.