

R069 / JOB TITLE GUIDE / VERSION 0.1

Avionics maintenance technician

An avionics maintenance technician works with aircraft electrical and electronic equipment. This is maintenance work rather than designing a new avionics architecture. Different employers accept different technical preparation, and a course certificate alone does not establish permission to certify maintenance.

What the role does

- Investigate electrical or electronic discrepancies using authorised data. [EMP1, EMP2]
- Support installation or replacement activity within assigned qualifications. [EMP1, EMP2]
- Document work and coordinate with other technical disciplines. [EMP1, EMP2]

Where the work happens

Aircraft and workshops in Wichita; second-shift service-centre work in Mesa.

Employer example 1

Bombardier / Learjet Inc • United States • Avionics Technician (AOG)

Vacancy status unconfirmed not an offer • Checked 2026-10-27 [EMP1]

Category	What this employer states
Other stated conditions	Avionics/electrical technical schooling or substantiated equivalent, with military and several certificate examples listed. Driving licence and insurability are stated.

One employer and role; not a worldwide entry rule.

Desirable requirements are not separately classified here; do not infer that none apply.

Employer example 2

Gulfstream Aerospace • United States • Avionics/Electrical Technician III

Active vacancy when checked • Checked 2026-10-27 [EMP2]

Category	What this employer states
Essential in this source	High-school diploma/GED and five years of avionics/electrical experience; specified accredited schooling may offset two years. English communication and schematic-reading ability.
Desirable in this source	A&P, FCC licence or NCATT certification.
Other stated conditions	Second shift; sponsorship restriction stated.

One employer and role; not a worldwide entry rule.

PREPARE AND VERIFY

Separate requirements from preparation

United States: FAA distinguishes avionics preparation from mechanic certification; an Airframe certificate is an employer recommendation in many cases, not a universal avionics licence. [REG1]

Still to verify: Exact repair-station privileges and recognition of non-FAA credentials remain employer/authority-specific.

Explore a realistic entry route

- Compare maintenance, production-installation and design vacancies so that similarly named avionics jobs do not blur together.
- Check which education alternatives a specific employer accepts and which regulated privileges the proposed work actually needs.
- Develop electronics fundamentals and diagram literacy through safe classroom or simulated activities before supervised aircraft work.

Build evidence of your skills

- Annotate a fictional low-voltage block diagram with component labels and unanswered questions; do not connect it to aircraft equipment.
- Write an invented discrepancy report separating observations, assumptions and information needed from a qualified supervisor.

Prepare for an interview

Reflection prompts only, not questions claimed to be used by an employer.

- How would you prevent a plausible hypothesis from being recorded as a confirmed fault?
- How would you communicate an unresolved discrepancy at shift change?

Investigate possible next roles

Possible directions include specialist avionics support, team leadership or additional certifying privileges, each requiring its own experience and authorisation review.

Sources and scope

[\[EMP1\] Bombardier / Learjet Inc Avionics Technician \(AOG\)](#)

Vacancy status unconfirmed not an offer. United States. Checked 2026-10-27.

[\[EMP2\] Gulfstream Aerospace Avionics/Electrical Technician III](#)

Active vacancy when checked. United States. Checked 2026-10-27.

[\[REG1\] Federal Aviation Administration Become an Aviation Mechanic](#)

Mechanic certification FAQ Not a determination of personal eligibility, task privileges or foreign licence recognition. Checked 2026-10-27.

Educational reference. Verify current requirements with the relevant authority and employer. Job-specific and country-specific conditions are not worldwide eligibility rules. Requirements shown are selected examples, not complete application checklists. A visible listing is not a guarantee that recruitment remains open. Exercises use invented, non-operational material; do not inspect, modify, repair, test or release real aircraft or components. No job guarantee.