

AVIONICS



Practical Aircraft Wiring (PAW)

Avionics Course

This is a hands-on course that is fundamental for all A&P and Avionics technicians. The course was designed with this concept: repairing wiring can be much harder than installing it in a new aircraft – therefore, the technician needs to be better prepared to perform a job in this area.

It covers different types of electrical wires and cables, various preparation and fabrication techniques (cutting, stripping, crimping, soldering, and tying) and installation issues (segregation, tie-wrapping, and chafing). The class also includes:

- nomenclature breakdown, deciphering, and labeling
- wiring and connector type identification
- aviation harness fabrication and installation requirements

14 CFR Part 121 regulations require significant Electrical Wiring Interconnect Systems (EWIS) training for all Technicians and Inspectors. The guidance used to identify and meet these training needs is contained in FAA Advisory Circular (AC) 120-94. This course addresses EWIS compliance concerns for Group 1 (Maintenance Personnel-Repairs), Group 2 (Inspection Personnel), and Group 4 (Maintainers-removal & installation of equipment). We also discuss contemporary incidents, their causes, and the appropriate prevention.

For more information on this PAW course please contact:

Sales@globaljetservices.com

30 Tower Lane →
Avon, CT → 06001

Tel (860) 651-6090 → Fax (860) 651-3618

globaljetservices.com

**Course Length
5 Days (40 Hours)**

FAA IA Approval Code:

C-IND-IM-130607-K-006-172



Other GLOBALJET Avionics courses available for your aviation career path of success:

Avionics

Essential Avionics (Part 1)
FAR 91.411/91.413 (RVSM)
Practical Aircraft Wiring
ADS-B for NextGen

<u>TOPICS</u>	<u>HRs</u>
Electrical Terms review, Aircraft Wiring and Cables, Wire Stripping, and Technical Data	8
Terminals, Splicing, Crimping Techniques, Tooling Identification ...	8
Soldering Techniques on Terminals, PC Boards, and Connectors	8
Lacing, Tying, Harness Fabrication, Installation and Routing in Aircraft ...	8
Inspection Awareness, Wiring Evaluation, and Review	8
TOTAL	40

Each classroom is fully equipped and stocked with practice materials and standard tools used in the wiring installation and repair environment, as students will complete specific lab exercises as directed by the instructor. Any relevant in-house tooling and supplies may be brought into the training session for evaluation and classroom use.

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