

AIRCRAFT ELECTRONICS TECHNICIAN (AET) TECHNICIAN SELF-EVALUATION

INTRODUCTORY AND GENERAL REQUIREMENTS

		YES	NO
1. Basic Terms			
a. Direct Current (DC) Terms	A	<input type="checkbox"/>	<input type="checkbox"/>
b. Alternating Current (AC) Terms	B	<input type="checkbox"/>	<input type="checkbox"/>
2. Basic Circuits			
a. Theory of Operation	B	<input type="checkbox"/>	<input type="checkbox"/>
b. Troubleshoot Circuits	2b	<input type="checkbox"/>	<input type="checkbox"/>
3. Basic Circuit Calculations			
a. DC	B	<input type="checkbox"/>	<input type="checkbox"/>
b. AC	B	<input type="checkbox"/>	<input type="checkbox"/>
c. DC/AC Measurements	2b	<input type="checkbox"/>	<input type="checkbox"/>
4. Resistors			
a. Color Codes	A	<input type="checkbox"/>	<input type="checkbox"/>
b. Isolate Faulty Resistors	2b	<input type="checkbox"/>	<input type="checkbox"/>
5. Inductors			
a. Theory of Operation	B	<input type="checkbox"/>	<input type="checkbox"/>
b. Isolate Faulty Inductors	B	<input type="checkbox"/>	<input type="checkbox"/>
6. Capacitors			
a. Theory of Operation	B	<input type="checkbox"/>	<input type="checkbox"/>
b. Isolate Faulty Capacitors	2b	<input type="checkbox"/>	<input type="checkbox"/>
7. Transformers			
a. Theory of Operation	B	<input type="checkbox"/>	<input type="checkbox"/>
b. Isolate Faulty Transformers	2b	<input type="checkbox"/>	<input type="checkbox"/>
8. Analog Circuits, Devices & Switches	B	<input type="checkbox"/>	<input type="checkbox"/>
9. Power Supply Circuits			
a. Rectifiers	B	<input type="checkbox"/>	<input type="checkbox"/>
c. Filters	A	<input type="checkbox"/>	<input type="checkbox"/>
10. Frequency Sensitive Filters			
a. Theory of Operation	A	<input type="checkbox"/>	<input type="checkbox"/>
11. Wave Generation Circuits			
a. Oscillators	A	<input type="checkbox"/>	<input type="checkbox"/>
b. Waveshaping Circuits	A	<input type="checkbox"/>	<input type="checkbox"/>



		YES	NO
12. Limiter Circuits			
a. Diodes	B	<input type="checkbox"/>	<input type="checkbox"/>
b. Zener Diodes	B	<input type="checkbox"/>	<input type="checkbox"/>
c. Transistors	B	<input type="checkbox"/>	<input type="checkbox"/>
13. Digital Numbering Systems			
a. Binary	B	<input type="checkbox"/>	<input type="checkbox"/>
b. Octal	B	<input type="checkbox"/>	<input type="checkbox"/>
c. Hexadecimal	B	<input type="checkbox"/>	<input type="checkbox"/>
14. Digital Logic Functions			
a. Main Logic Gates	B	<input type="checkbox"/>	<input type="checkbox"/>
b. Flip-Flops	B	<input type="checkbox"/>	<input type="checkbox"/>
c. Counters	B	<input type="checkbox"/>	<input type="checkbox"/>
d. Adders	B	<input type="checkbox"/>	<input type="checkbox"/>

COMMON MAINTENANCE PRACTICES

15. Hazards/Safety Practices			
a. RF Energy	A	<input type="checkbox"/>	<input type="checkbox"/>
b. Noise	A	<input type="checkbox"/>	<input type="checkbox"/>
c. Electrical Power	A	<input type="checkbox"/>	<input type="checkbox"/>
d. ESD Protection	A	<input type="checkbox"/>	<input type="checkbox"/>
e. Microwave	A	<input type="checkbox"/>	<input type="checkbox"/>
f. Hazardous Liquids	A	<input type="checkbox"/>	<input type="checkbox"/>
g. Practice FOD Prevention	1a	<input type="checkbox"/>	<input type="checkbox"/>
h. First Aid for Electrical Shock	A	<input type="checkbox"/>	<input type="checkbox"/>
16. Hazardous Materials Handling			
a. Types of Hazardous Materials/Fluids	A	<input type="checkbox"/>	<input type="checkbox"/>
b. Handling Procedures	A	<input type="checkbox"/>	<input type="checkbox"/>
c. Storage and Labeling	A	<input type="checkbox"/>	<input type="checkbox"/>
d. Proper Disposal	A	<input type="checkbox"/>	<input type="checkbox"/>
e. Material Safety Data Sheet	A	<input type="checkbox"/>	<input type="checkbox"/>
17. Technical Publications			
a. Interpret Installation Manuals	A	<input type="checkbox"/>	<input type="checkbox"/>
b. Interpret Technical Data	A	<input type="checkbox"/>	<input type="checkbox"/>
a. Locate and Interpret Avionics Installation Data	A	<input type="checkbox"/>	<input type="checkbox"/>
b. Interpret Wiring Diagrams	A	<input type="checkbox"/>	<input type="checkbox"/>
c. Interpret Charts, Blueprints, Drawings and Sketches	A	<input type="checkbox"/>	<input type="checkbox"/>
d. Interpret Aircraft Equipment List Information	A	<input type="checkbox"/>	<input type="checkbox"/>



FUNDAMENTALS OF ON-EQUIPMENT MAINTENANCE

		YES	NO
18. Use Common Tools	2b	<input type="checkbox"/>	<input type="checkbox"/>
19. Handling of Electrostatic Devices	A	<input type="checkbox"/>	<input type="checkbox"/>
20. Identify and Perform Corrosion Control	a	<input type="checkbox"/>	<input type="checkbox"/>
21. Use Safetying Devices			
a. Safety Wire	1a	<input type="checkbox"/>	<input type="checkbox"/>
b. Shear Wire	1a	<input type="checkbox"/>	<input type="checkbox"/>
22. Aircraft Wiring			
a. Multiconductor	A	<input type="checkbox"/>	<input type="checkbox"/>
b. Coaxial	A	<input type="checkbox"/>	<input type="checkbox"/>
c. Twisted Pair	A	<input type="checkbox"/>	<input type="checkbox"/>
d. Single Conductor	A	<input type="checkbox"/>	<input type="checkbox"/>
23. Perform Wire Maintenance			
a. Continuity Checks	3c	<input type="checkbox"/>	<input type="checkbox"/>
24. Use Test Equipment/Special Tools			
a. Analog Multimeter	2b	<input type="checkbox"/>	<input type="checkbox"/>
b. Digital Multimeter	2b	<input type="checkbox"/>	<input type="checkbox"/>
c. Oscilloscope	2b	<input type="checkbox"/>	<input type="checkbox"/>

AIRCRAFT FUNDAMENTALS

25. Aviation Terminology	A	<input type="checkbox"/>	<input type="checkbox"/>
26. Basic Aviation/Aircraft Fundamentals & Safety	A	<input type="checkbox"/>	<input type="checkbox"/>
27. Basic Troubleshooting Theory	A	<input type="checkbox"/>	<input type="checkbox"/>
28. Identify Flight controls	A	<input type="checkbox"/>	<input type="checkbox"/>
29. Safety (Operational Risk Management, Fall Protection)	A	<input type="checkbox"/>	<input type="checkbox"/>
30. Theory of Flight	A	<input type="checkbox"/>	<input type="checkbox"/>

