CTE Frameworks - Aviation Maintenance Technology Equipment List

## Examples include and must meet industry standards:

* Personal protective equipment (face shields, rubber gloves, safety glasses, etc.)
* Aircraft jacks with jack pads / extensions
* Live aircraft with associated maintenance logbooks
* FAA –14 CFR parts 43 and 91
* Aircraft scales
* Aircraft tow bar
* Aircraft tow vehicle
* Live aircraft or mock-up trainer with installed and operational *electrical systems*
* Live aircraft or mock-up trainer with installed and operational *hydraulic systems*
* Live aircraft or mock-up trainer with installed and operational *pneumatic systems*
* Live aircraft or mock-up trainer with installed and operational *fuel system*
* Complete set of hand tools (plyers, screwdrivers, wrenches, sockets, etc.)
* Micrometers
* Vernier calipers
* Feeler gauges
* Bore gauges
* Small hole and telescoping gauges
* Dial indicators
* Safety wire plyers
* Assorted capacitors
* Capacitor testers
* Live aircraft of electrical system mock-up
* Live aircraft drawing
* Electrical drawing
* Drafting equipment
* Drawing paper
* Aircraft charts
* Aircraft graphs
* Aircraft fueling equipment
* Hydraulic power units
* Electrical power units
* Assorted tie-down equipment
* Multimeters
* A.C. circuit boards
* Electrical wire (approx. AWG #20)
* Assorted resistors
* Relays (aircraft type 12 or 24 volt D.C., solenoids)
* Aircraft batteries (lead-acid and nickel-cadmium)
* Battery charging equipment
* Voltmeters
* Hydrometers
* Live aircraft spirits levels
* Plum bobs
* Aircraft type certificate and data sheets
* Assorted tares
* Jacks
* Aluminum tubing
* Stainless steel tubing
* Flexible hoses and fittings
* Flaring tools
* Beading tools
* Flexible line fabrication tools
* Prefabricated tubing samples
* Tube bending kits
* Assorted aluminum alloy aircraft parts
* Assorted aluminum alloy samples and sheets
* Assorted steel aircraft parts
* Assorted aircraft maintenance logbooks
* Forms (FAA-337 major repair and alteration form and malfunction & defect reporting)
* Airworthiness directives (AD)
* Assorted aviation maintenance tools
* Dye penetrant inspection kits
* Dye penetrants (magnaflux or zyglo)
* Magnetic particle inspection equipment
* Demagnetizers
* Eddy current inspection equipment
* Ultrasonic inspection equipment
* Copper tubing
* Oxyacetylene welding outfits
* Quenching vat
* Assorted aircraft hardware and components
* Assorted ferrous and nonferrous metal samples
* Assorted aircraft control cable samples
* Assorted weld samples
* Assorted fuel samples
* 10 power magnifying glasses
* Assorted cleaning agents
* Assorted aircraft
* Corrosion removal abrasives
* Paint removal tools
* Assorted acid brushes
* Wash brushes
* Wash pads
* Buckets
* Calculators
* Inspection checklist
* Engine mockup trainers
* Aircraft airfoils
* Hydraulic mockup trainers
* Simple machines
* Assorted gears
* Threaded bolts
* Assorted pulleys
* Performance charts
* Aircraft type certificates and data sheets (TCDS)
* Engine and propeller type certificate data sheets
* FAA airworthiness directives (volumes I and II)
* Assorted manufacturers maintenance and parts manuals
* Assorted service bulletins
* Summary of supplemental type certificates (STC)
* Assorted maintenance records
* Technical standard orders (TSO’s)
* Applicable federal aviation regulations
* CFR part 43
* CFR part 65
* CFR part 145
* Advisory circular AC65-2D
* Wooden aircraft structures which include flight control surfaces and airframe structural sections
* Assorted wood type samples
* Wood clamps
* Assorted wood saws
* Adhesive brushes
* Basic wood working tools
* Samples of wood defects
* Samples of aircraft fabric
* Approved dopes and / or cements
* Assorted approved aircraft fabrics/tapes/ancillary materials
* Irons
* Scissors
* Assorted measuring instruments
* Assorted marking supplies
* Assorted stands and lights
* Live aircraft or mockup with metal and / or fabric surfaces
* Paint guns
* Assorted painting equipment
* Paint process materials
* Assorted masking supplies
* Assorted cleaning and prepping supplies
* Samples of finish defects
* Assorted approved rivets and fasteners (counter sink, non-counter sink, etc.)
* Assorted sheet metal hand tools
* Samples of honeycomb bonded structures defects
* Assorted sample components (plastic, fiber, composite and fiberglass)
* Honeycomb repair materials
* Honeycomb repair tools
* Assorted fiberglass aircraft components
* Fiberglass repair kit
* Defective Plexiglas samples
* Live aircraft or mock-up trainer (equipped with windows, doors, and interior furnishings)
* Assorted sheet metal tools
* Joint compound
* Drill motor and twist drills
* Assorted riveting tools and equipment
* Assorted welding equipment (ARC, MIG, TIG)
* Assorted weld samples (magnesium, titanium, aluminum, ferrous metals)
* Solder and flux
* Assorted soldering equipment
* 4130 steel tubing stock
* Steel welding stock
* Stainless steel stock
* Aluminum stock
* Control surfaces
* Protractor
* Cable swaging equipment and supplies
* Flight control balance jibs
* Assorted cable types
* Tensiometer
* Torque wrenches
* Aircraft jack sets
* Hydraulic test stands
* Assorted aircraft hydraulic components and devices (pumps, manifolds, pressure switches and sensors, valves and controls, gauges and instruments)
* Assorted hydraulic fluid samples
* Oxygen system hand tools
* Leak detection solution
* Electronic test equipment
* Static dischargers (wicks)
* Assorted antenna installation tools and materials
* Assorted fuel system components
* Assorted fueling and defueling equipment
* Multimeters torque wrenches
* Assorted component special tool
* Assorted electrical components
* Live multi-engine aircraft or two generator mockups
* Generator test stands and equipment
* 208/114 A.C. system mockups
* A.C. and D.C. generators
* Assorted electrical installation tools
* Assorted fire extinguishers
* Weighing scales