

Align Tasks with Learning Objectives

Audit trail can be generated by ADVISOR Enterprise for a specific Job to identify where the requirements for each Task and Sub Task have been addressed.

Job Profile: Technician
 Prepared by: BNH Director
 Date: September 2017

Task	Sub Task	Train	Performance Objective/ Enabling Objective	Knowledge/Skills	Learning Objectives	Courses		
407 - Maintain Aircraft Structures		Train	407 - Maintain Aircraft Structures	Aircraft primary and secondary structure construction	Aircraft Primary and Secondary Structure Construction: a. Aircraft Structural Integrity, b. Types of Materials	Technician Course		
				407.01 - Describe Aircraft Structures	407.01 - Describe Aircraft Structures	Aircraft structure types	Aircraft Structure Types: a. Criteria, b. Structural Shapes, c. Structure Classification, d. Stress	Technician Course
				407.02 - Perform Aircraft Structural Inspections	407.02 - Perform Aircraft Structural Inspections	Full scale structure testing	Full Scale Structure Testing Film: a. Fuselage Structure Types, b. Wing Structure, c. Empennage	Technician Course
				Aircraft primary & secondary structural inspection	Aircraft primary & secondary structural inspection requirements and procedures: a. Investigation of damage, b. Importance of Damage Location, c. Checking Extent of Damage, d. Aircraft Reference Planes	Technician Course		
				Aircraft structural limits	Aircraft structural limits: a. Criteria	Technician Course		
				Aircraft alignment & symmetry	Aircraft alignment & symmetry check procedures	Technician Course		
				408 - Maintain Windows, Doors and Related Components	408 - Maintain Windows, Doors and Related Components	Doors and hatches operation and construction	A/C Personnel Access Doors and Hatches Operation and Construction	Technician Course
				408.01 - Maintain Aircraft Doors, Hatches, Ramp System and Their Related Components	408.01 - Maintain Aircraft Doors, Hatches, Ramp System and Their Related Components	Doors and hatches inspection	KSAs not addressed by a specific LO may indicate a gap.	
				Doors and hatches diagnoses and repair				
				A/C cargo/ramp system operation and construction	A/C Cargo/Ramp System Operation and Construction	Technician Course		
A/C cargo restraint equipment	A/C Cargo Restraint Equipment Types and Uses	Technician Course						
Aircraft windscreens, windows, domes & bubbles operation	Aircraft Windscreens, Windows, Domes & Bubbles, Operation & Construction: a. Definitions, b. A/C Windshields (Windscreens), c. Windows, d. Domes & Bubbles	Technician Course						
Aircraft windscreens, windows, domes & bubbles inspection	Aircraft Windscreens, Windows, Domes and Bubbles, Inspection Requirements and Procedures: a. Inspection of Windshields and Windows, b. Damage Limitations	Technician Course						

408.02 - Maintain Aircraft Windscreens, Windows, Domes and Bubbles	No Train	408.02 - Maintain Aircraft Windscreens, Windows, Domes and Bubbles	Aircraft windscreens, windows, domes & bubbles repair	Aircraft Windscreens, Windows, Domes and Bubbles, Diagnoses and Repair Procedures: a. Diagnose Windscreens, Windows, Domes and Bubbles	Technician Course
			Aircraft canopy system operation	KSA not addressed by a specific LO may indicate a gap.	
			Aircraft canopy system repair	Aircraft Canopy System / Components Inspection Requirements and Procedures: a. Canopy Functional Demo	Technician Course
			Aircraft windscreens, windows, domes & bubbles removal	Aircraft Windscreens, Windows, Domes and Bubbles, Remove/Install Procedures	Technician Course
			Aircraft windshield wiper/washer system operation	Aircraft Windshield Wiper/Washer System/Components Operation and Construction: a. General, b. Electrical Windshield Wiper System, c. Pneumatic Rain Removal System, d. Windshield Rain Repellent	Technician Course
			Aircraft windshield wiper/washer system inspection	Aircraft Windshield Wiper/Washer System/Components Inspection Requirements and Procedures	Technician Course
			Aircraft windshield wiper/washer system repair	Aircraft Windshield Wiper/Washer System/Components Diagnosis and Repair Procedures: a. Diagnose Aircraft Windshield Wiper/Washer System, b. Repair Aircraft Windshield Wiper/Washer System	Technician Course
			Aircraft windshield wiper/washer system	Aircraft Windshield Wiper/Washer System/Components Electrical Inspection Requirements and Procedures: a. Inspect windshield Wiper/ Washer Electrical System.	Technician Course
			Aircraft rain/snow removal system operation	Aircraft Rain/Snow Removal System/Components Operation and Construction: a. Windshield Icing Control System, b. Canopy Demisting System	Technician Course
			Aircraft rain/snow removal system inspection	Aircraft Rain/Snow Removal System/Components Inspection Requirement and Procedures	Technician Course
408.03 - Maintain Aircraft Rain and Snow Removal Systems	Train	408.03 - Maintain Aircraft Rain and Snow Removal Systems	Aircraft rain/snow removal system repair	Aircraft Rain/ Snow Removal System/Components Diagnosis and Repair Procedures	Technician Course

409 - Maintain Aircraft Hydraulic Systems	Train	409 - Maintain Aircraft Hydraulic Systems	Fluid physics and properties	Fluid Physics and Properties: a. Key Terms, (1) Fluids, (2) Gases, (3) Liquids, (4) Density, (5) Viscosity, (6) Fluidity, (7) Compressibility, (8) Area, (9) Force, (10) Unit of Pressure, (11) Stroke (length), (12) Volume (displacement), b. Laws that apply to Hydraulics, (1) Pascal`s Law, (a) Relationship of Terms, (2) Hydrostatic Paradox, (3) Bernoulli`s Principle, (4) Boyle`s Law, (5) Charles` Law, c. Mechanical Advantage	Technician Course	
	409.01 - Describe Characteristics and Safe Handling of Hydraulic Fluids	Train	409.01 - Describe Characteristics and Safe Handling of Hydraulic Fluids	Hydraulic fluid characteristics	KSA not addressed by a specific LO may indicate a gap.	
	409.02 - Describe Hydraulic Hardware and Components	Train	409.02 - Describe Hydraulic Hardware and Components	Hydraulic fluid safety	Safe Handling of Hydraulic Fluid: a. Hydraulic Sample and Analyze Sample with LCM 20	Technician Course
				AC hydraulic hardware	AC Hydraulic Hardware: a. General, b. Type of Fittings, c. Glands and Seals, d. Seal Couplings	Technician Course
				Hydraulic piping components	Film: Hydraulic System Components	Technician Course
				Hydraulic system	Types of Hydraulic Sys: a. Basic Hydraulic Sys, b. Closed-Centre Type Sys, c. Open-Centre Type Sys	Technician Course
				Hydraulic system operation	AC Hydraulic Component Operation and Construction: a. Arrestor gear Sys	Technician Course
				Hydraulic system interpretation	Interpretation of Hydraulic Schematic on CT114 Platform	Technician Course
				Lab Volt system	Lab Volt Sim Intro including safety	Technician Course
	409.03 - Construct a Basic Hydraulic System (Built and Diagnose)	Train	409.03 - Construct a Basic Hydraulic System (Built and Diagnose)	Lab Volt system safety	Lab Volt Mechanical System: a. Exercise 1-2 Hydraulic Power, b. Exercise 2-1 Pressure Limitation, c. Exercise 3-2 Series, d. Exercise 3-3 Parallel, e. Exercise 4-3 Pressure Reducing	Technician Course
Lab Volt system operation				Lab Volt Electrical Control: a. Exercise 1-1 Familiarization with Equipment unit test, b. Exercise 2-1 Basic Electric, c. Exercise 2-2 Ladder Diagram, d. Exercise 2-3 Basic Electrical Controlled Hydraulic System, e. Exercise 3-1 Hydraulic Sequence cylinders, f. Exercise 4-3 Counting actuator cycles	Technician Course	
Lab Volt system troubleshooting				Troubleshooting: a. Exercise 5-1 Troubleshooting electrical control units (5 Control snags)	Technician Course	

410 - Maintain Landing Gear Systems	Train	410 - Maintain Landing Gear Systems	Landing Gear system	Undercarriage Arrangements: a. Conventional, b. Tandem Landing Gear, c. Tricycle Landing Gear, d. Advantages of Tricycles vs. Conventional	Technician Course
			Landing Gear system	Main Component of a Landing Gear Systems and Types: a. Main Landing Gear, b. Nose Gear, c. Tail Gear, d. Non-Retractable LDG Types, e. Retractable Type and Components	Technician Course
410.01 - Describe the Construction and Operation of the Landing Gear System and Its Components	Train	410.01 - Describe the Construction and Operation of the Landing Gear System and Its Components	Landing Gear system	AC Landing Gear Indicating System/ Components Operation and Construction: a. Types of Landing Gear Operation (Extension and Retraction), b. Landing Gear Control and Position Indicating System, c. Ground Landing Gear Safety System, d. Electrical Operation When Landing Gear Control Lever Selected Up, e. Electrical Operation When Landing Gear Control Lever Selected Down	Technician Course
			AC steering system	AC Steering System Component and Operation: a. Type of Steering System, b. Component and Operation of Nose Wheel System	Technician Course
			Brake system construction	AC Type, Construction and Function of Brake Assemblies: a. Single- Disk Brake, b. Dual - Disk Brake, c. Multi - Disk Brake, d. Segmented Rotor Type Brake, e. Shoe Type Brake Assemblies	Technician Course
410.02 - Describe Brake and Anti-Skid Systems	Train	410.02 - Describe Brake and Anti-Skid Systems	Brake system inspection	AC Brake Sys and Assemblies Inspection Requirements and Procedures: a. Visual Inspection Procedures, b. Inspection of AC Brake System	Technician Course
			Anti-skid System	Anti-Skid Sys Components and Operation: a. Electrical anti-skid, b. Components, c. Mechanical anti-skid, d. Deposer Valve Components and Maintenance of Wheel Assembly: a. Wheel Component and Maintenance, (1) Wheel Construction, (2) Wheel Maintenance, (3) Wheel Types, b. Wheel Bearing Component and Maintenance, (1) Wheel Bearing Construction, (2) Wheel Bearing Maintenance, c. Tire and Tubes Construction, (1) Tire Construction, (2) Tube. (3) Creep Mark/Slippage Mark	Technician Course
			Wheel assembly maintenance	AC Wheel, Tires and Tubes Inspection Requirements and Procedures: a. Inspection of Mounted tires, (1) Inspection of AC Wheel Assemblies, (2) Service Life Identification, (3) Removal from Service, b. Inspection of Defects and Limitations of Tires, (1) Depth Gauge, (2) Sizing of Dual Tires, (3) Tire Defects and Limitations	Technician Course
410.03 - Describe Wheel Assembly Maintenance Procedures	Train	410.03 - Describe Wheel Assembly Maintenance Procedures	Wheel assembly inspection	AC Wheel, Tires and Tubes Inspection Requirements and Procedures: a. Inspection of Mounted tires, (1) Inspection of AC Wheel Assemblies, (2) Service Life Identification, (3) Removal from Service, b. Inspection of Defects and Limitations of Tires, (1) Depth Gauge, (2) Sizing of Dual Tires, (3) Tire Defects and Limitations	Technician Course
			Wheel assembly inspection	AC Wheel, Tires and Tubes Inspection Requirements and Procedures: a. Inspection of Mounted tires, (1) Inspection of AC Wheel Assemblies, (2) Service Life Identification, (3) Removal from Service, b. Inspection of Defects and Limitations of Tires, (1) Depth Gauge, (2) Sizing of Dual Tires, (3) Tire Defects and Limitations	Technician Course