

C-130J 58

- Base Reference Walkaround
- Electrical System and Power Distribution
- Fuel System
- Hydraulic System
- Landing Gear/Tire and Brakes
- Open HUD Flight Deck
- Turboprop (Engines)
- APU Operation
- Comm/Nav - Digital Interphone/ICS
- Comm/Nav - E-TCAS
- Comm/Nav - GPS/INS
- Comm/Nav - HF System
- Comm/Nav - IFF/SIF
- Comm/Nav - LPCWR
- Comm/Nav - NBSV/ANDVT
- Comm/Nav - SATCOM
- Comm/Nav - TACAN
- Comm/Nav - UHF
- Comm/Nav - VHF
- Comm/Nav - VOR/ILS
- Comm/Nav - WBSV (KY-58)
- Interactive Full Aircraft Jacking
- Landing Gear and Brakes Remove/Replace
- Pre-flight
- Thruflight
- Engine Ind Inspection, Ops Check, Troubleshooting/Airplane Loading
- APU Operation - AR Version
- Aircraft Inspection OPS Walkaround Checklist
- Wet Wing Defuel/Refuel Checklist for Pilots and Loadmasters

- Aeromedical Evacuation Virtual Walkaround
- Auto Pilot Servo Removal/Installation Ops Check
- Fire and Overheat Loops with Ops Check
- Auxiliary Power Unit Removal/Installation Ops Checks
- Pressurization System with Ops Checks
- BPO
- Digital Autopilot/ Flight Director Ops check
- Elevator, Aileron, and Rudder Boost Pack Removal/Installation/Leak and Ops Checks
- Engine Operation w/ Injects
- Gear Operation
- HDD Ops check
- Identify Danger Areas
- Pneumatic Operation
- Safe for Maintenance
- Bleed Air System
- Removal & Installation of Center Wing or Outer Wing Flap
- Removal & Installation of Flap Drive Assembly Hydraulic Motor
- Removal & Installation of Rudder and Replacement of Hinge Pin, Bushing, and Bearing
- Normal Operation of Landing Gear Lubrication System
- Complete Rig of Aileron Control System
- Complete Rig of Elevator Control System
- Complete Rig of Rudder Control System
- Crew Door Rigging and Adjustment
- Replacement of Elevator Control Surface
- Locking System Requirements and Rigging of Cargo Ramp
- Removal and Installation of Aileron Pushrods
- Removal and Installation of Rudder Pushrods
- Engine Backshop Master Glassoway

- Base Reference Walkaround
- Emergency Procedures (Cabin Pressure/Ditching/ Fire PED)
- Full Aircraft APU Operations with Emergency Procedures
- Pneumatic System
- Interactive Opening of Engine Cowling and External Engine Components
- Schematic of the Nose and Main Landing Gear
- Schematic of the P&W Internal Engine Components and Operation
- Engine Run w/ Emergency Procedures (OPS and MXG Combined Inspection) Pre-Departure Checklist and Emergency Egress/Preflight
- Hydraulic System

- Base Reference Walkaround
- Air Refueling System Integration
- Aircraft Fueling Operations
- Aircraft Jacking
- Aircraft Towing Procedures
- APU Maintenance Procedures
- APU Power Emergency Procedures
- Avionics Systems
- Cargo Loader/Door Operations
- Electrical Distribution
- Emergency Escape Slides
- Engine Blade Blending
- Engine Borescope Procedures
- Engine Cowlings and Components
- Engine Run Operations
- Gear Door Exterior Operations
- Hydraulics Systems
- Pneumatic Systems
- Ram Air Turbine Deployment
- Tire and Brake Replacement
- ADTS-405 Leak Test
- Radar Radome
- Airstair Operation Checklist
- AMSO Postflight Checklist
- AMSO Preflight Checklist
- CEA Jumpseat CRM
- COMSEC Loading Procedures
- Emergency Equipment Location
- Fire/Smoke Ground Emergency Procedure
- Flight Management Computer Operations
- Mission Equipment Tutorial for Initial Qualification and Refresher Training
- Normal/Amplified Flight Deck Procedures

- Base Reference Walkaround
- Aircraft Safe for Maintenance
- AutoFlight & Terrain Following Ops Check
- Central Air Data Ops Check using ADTS-415F
- Crew Intercom Ops Check
- General Vehicle Danger Areas
- GPS Ops check
- IFF Ops check
- ILS Ops check using IFR-4000
- INS Precision Ground Alignment
- NBSV/WBSV Ops check
- Radar Ops Check
- SATCOM Ops Check (Voice, DAMA)
- Surface Position/Command Ind Checkout
- TACAN Ops Check
- UHF-1 Ops check using IFR-4000

- Base Reference Walkaround
- Autopilot
- Flight Director Ops Check
- AHRs Ops check
- Air Data System Ops Check using ADTS 415
- Digital Interphone Ops check
- GPS Ops check
- ILS Ops check
- INS Ops check
- Multipurpose Radio Ops Check
- NBSV/WBSV Ops check
- Safe for Maintenance
- SIF/IFF Ops Check
- TACAN Ops Check
- UHF Ops Check
- UHF/VHF Ops Check
- VOR Ops Check

- Base Reference Walkaround
- External Electrical Power
- Fuel Quantity Troubleshooting via PSD-90
- Aircraft Defensive System, Upload/Download Flares, Laser Transmitter Remove/Replace
- APU Operations with Emergency Procedures
- BPO Inspections
- NLG Tire / MLG Tire and Brake Remove/Replace
- Preflight Inspections
- Thruflight Inspections
- Interactive Forward Loadmaster Station
- Aeromedical Evacuation NPC Double Blower Failure Troubleshooting
- Exterior Safety Inspection Checklist
- Loadmaster Cargo Compartment Prep Checklist
- Aircraft Inspection Virtual Walkaround
- Aeromedical Evacuation Virtual Walkaround
- Aeromedical Evacuation NPC-L Walkaround
- Air Data Computer System Ops Check
- Aircraft Towing/Towbar/Tow Vehicle
- ANDVT Ops check
- APU Change
- Automatic Pilot Control-Indicator Ops check
- Digital Interphone Ops check
- Engine Run Operations with Emergency Procedures
- HF Radio Ops Check
- ILS/Marker Beacon Ops Check
- Integral Jacking
- MFD System Ops Check
- Secure Voice Ops Check
- SIF/IFF Ops Check
- TACAN Ops Check
- TCAS/SKE Ops Check
- Thrust Reverser Pin, Repair, Remove/Replace
- Turn-on, Initialize, & Align IRS to FOM
- UHF Ops Check
- VHF Ops Check
- Weather Radar System Ops Check

- Base Reference Walkaround
- Air Stair Manual Retraction Task
- Full Aircraft APU Operations with Emergency Procedures
- Pneumatic System
- Schematic of the GE CFM-56 Internal Engine Components and Operation
- Schematic of the Primary Flight Controls with Component Identification
- Schematic of the Secondary Flight Controls with Component Identification
- (OPS and MXG Combined Inspection) Pre-Departure Checklist and Emergency Egress/Preflight
- Hydraulic System

- Base Reference Walkarounds
- Flight Attendant Preflight/Thruflight

- Base Reference Walkaround
- Air Stair Manual Retraction Task
- Full Aircraft APU Operations with Emergency Procedures
- Pneumatic System
- Schematic of the GE CFM-56 Internal Engine Components and Operation
- Schematic of the Primary Flight Controls with Component Identification
- Schematic of the Secondary Flight Controls with Component Identification
- (OPS and MXG Combined Inspection) Pre-Departure Checklist and Emergency Egress/Preflight
- Hydraulic System

- Base Reference Walkaround
- Aircraft Safe for Maintenance
- AutoFlight & Terrain Following Ops Check
- Central Air Data Ops Check using ADTS-415F
- Crew Intercom Ops Check
- General Vehicle Danger Areas
- GPS Ops check
- IFF Ops check
- ILS Ops check using IFR-4000
- INS Precision Ground Alignment
- NBSV/WBSV Ops check
- Radar Ops Check
- SATCOM Ops Check (Voice, DAMA)
- Surface Position/Command Ind Checkout
- TACAN Ops Check
- UHF-1 Ops check using IFR-4000

- Base Reference Walkaround
- Autopilot
- Flight Director Ops Check
- AHRs Ops check
- Air Data System Ops Check using ADTS 415
- Digital Interphone Ops check
- GPS Ops check
- ILS Ops check
- INS Ops check
- Multipurpose Radio Ops Check
- NBSV/WBSV Ops check
- Safe for Maintenance
- SIF/IFF Ops Check
- TACAN Ops Check
- UHF Ops Check
- UHF/VHF Ops Check
- VOR Ops Check

- Base Reference Walkaround
- External Electrical Power
- Fuel Quantity Troubleshooting via PSD-90
- Aircraft Defensive System, Upload/Download Flares, Laser Transmitter Remove/Replace
- APU Operations with Emergency Procedures
- BPO Inspections
- NLG Tire / MLG Tire and Brake Remove/Replace
- Preflight Inspections
- Thruflight Inspections
- Interactive Forward Loadmaster Station
- Aeromedical Evacuation NPC Double Blower Failure Troubleshooting
- Exterior Safety Inspection Checklist
- Loadmaster Cargo Compartment Prep Checklist
- Aircraft Inspection Virtual Walkaround
- Aeromedical Evacuation Virtual Walkaround
- Aeromedical Evacuation NPC-L Walkaround
- Air Data Computer System Ops Check
- Aircraft Towing/Towbar/Tow Vehicle
- ANDVT Ops check
- APU Change
- Automatic Pilot Control-Indicator Ops check
- Digital Interphone Ops check
- Engine Run Operations with Emergency Procedures
- HF Radio Ops Check
- ILS/Marker Beacon Ops Check
- Integral Jacking
- MFD System Ops Check
- Secure Voice Ops Check
- SIF/IFF Ops Check
- TACAN Ops Check
- TCAS/SKE Ops Check
- Thrust Reverser Pin, Repair, Remove/Replace
- Turn-on, Initialize, & Align IRS to FOM
- UHF Ops Check
- VHF Ops Check
- Weather Radar System Ops Check

C-130H 5

- Base Reference Walkaround
- Aircraft Jacking and Cribbing
- Propeller Servicing
- Universal Hydraulic Test Stand (Mule)
- Aircraft Inspection Walk Around

C-146 19

- Base Reference Walkaround
- Aircraft Preflight, APU Operations, and Radio Loading
- Aircraft Preflight, Cargo Loading, and Bed Down 1
- Airplane General
- Auxiliary Power Unit (APU)
- APU/Pneumatics
- Electrical Systems
- Electronic Display System
- Engines / Propellers
- Environmental Control System
- Fire Protection System
- Flight Controls
- Fuel System
- Hydraulic System
- Landing Gear
- Mission Systems and Communications
- Pneumatic System
- Power Plant
- Loadmaster XR-MTD

C-32A 10

- Base Reference Walkaround
- Emergency Procedures (Cabin Pressure/Ditching/ Fire PED)
- Full Aircraft APU Operations with Emergency Procedures
- Pneumatic System
- Interactive Opening of Engine Cowling and External Engine Components
- Schematic of the Nose and Main Landing Gear
- Schematic of the P&W Internal Engine Components and Operation
- Engine Run w/ Emergency Procedures (OPS and MXG Combined Inspection) Pre-Departure Checklist and Emergency Egress/Preflight
- Hydraulic System

C-32B 32

- Base Reference Walkaround
- Air Refueling System Integration
- Aircraft Fueling Operations
- Aircraft Jacking
- Aircraft Towing Procedures
- APU Maintenance Procedures
- APU Power Emergency Procedures
- Avionics Systems
- Cargo Loader/Door Operations
- Electrical Distribution
- Emergency Escape Slides
- Engine Blade Blending
- Engine Borescope Procedures
- Engine Cowlings and Components
- Engine Run Operations
- Gear Door Exterior Operations
- Hydraulics Systems
- Pneumatic Systems
- Ram Air Turbine Deployment
- Tire and Brake Replacement
- ADTS-405 Leak Test
- Radar Radome
- Airstair Operation Checklist
- AMSO Postflight Checklist
- AMSO Preflight Checklist
- CEA Jumpseat CRM
- COMSEC Loading Procedures
- Emergency Equipment Location
- Fire/Smoke Ground Emergency Procedure
- Flight Management Computer Operations
- Mission Equipment Tutorial for Initial Qualification and Refresher Training
- Normal/Amplified Flight Deck Procedures

BENEFITS OF XR

- ENHANCES COMBAT CAPABILITY
- INCREASES READINESS
- IMPROVES EFFECTIVE TRAINING
- STRENGTHENS UNDERSTANDING
- SAVES ENERGY USAGE
- DECREASES AIRCRAFT USE

PROGRAM HIGHLIGHTS

IDC CONTRACT AWARDED
23 AIR FORCE SPECIALTY CODES
NO LICENSING FEES

INTEGRATED TECHNOLOGY PLATFORM

MODULE LIST



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LEARNING MODULES

B-1 16

- Base Reference Walkaround
- Aircraft Safe for Maintenance
- AutoFlight & Terrain Following Ops Check
- Central Air Data Ops Check using ADTS-415F
- Crew Intercom Ops Check
- General Vehicle Danger Areas
- GPS Ops check
- IFF Ops check
- ILS Ops check using IFR-4000
- INS Precision Ground Alignment
- NBSV/WBSV Ops check
- Radar Ops Check
- SATCOM Ops Check (Voice, DAMA)
- Surface Position/Command Ind Checkout
- TACAN Ops Check
- UHF-1 Ops check using IFR-4000

A-10 17

- Base Reference Walkaround
- Safe for Maintenance
- Angle of Attack Ops Check
- Aircraft Refuel
- Borescope
- Canopy Operation
- EGI BIT Test
- Hot Pit Refueling
- HUD Remove/Replace and Ops Check
- Hydraulic Reservoir Remove/Replace
- Identifying Danger Areas
- Landing Gear Retraction for Flight Safety Circuit Check (w/ Jacking)
- Landing Gear Retraction for Flight Safety Circuit Check (Without Jacking)
- LASTE Ops Check & BIT
- Pitot-static System Ops check
- PR, BPO, BPO/PR
- SAS Ops check

B-52H 17

- Base Reference Walkaround
- Autopilot
- Flight Director Ops Check
- AHRs Ops check
- Air Data System Ops Check using ADTS 415
- Digital Interphone Ops check
- GPS Ops check
- ILS Ops check
- INS Ops check
- Multipurpose Radio Ops Check
- NBSV/WBSV Ops check
- Safe for Maintenance
- SIF/IFF Ops Check
- TACAN Ops Check
- UHF Ops Check
- UHF/VHF Ops Check
- VOR Ops Check

AC-130J 40

- Base Reference Walkaround
- Combined Preflight/Postflight Inspection
- Bleed Air System and Distribution
- Auxiliary Hydraulic System Pump Remove/Replace
- Data Transfer and Diagnostics System (DTADS)
- Flight Deck Window (Nesa) Remove/Replace
- Fuel System Procedures for Refuel, Defuel, and Ground Transfer
- Integrated Instrument and Flight Control System Distributed Air Data System (DADS)
- Hydraulic Systems Operation for Cargo Door/Ramp, and Flight Controls
- Mission Computer Operation
- MLG Strut Service
- NLG Strut Service
- Oxygen Servicing Procedures (LOX)
- Paratroop Door Remove/Replace
- Thru-Flight Inspection
- Upload/Download OFP and DFDR Download Procedures
- Removal & Installation of Aileron Trim Tab
- Removal & Installation of Aileron and Replacement of Hinge Bearing
- Removal & Installation of Cargo Door
- Removal & Installation of Elevator Trim Tab
- Removal & Installation of Elevator and Replacement of Hinge Pin and Bearing
- Removal & Installation of Rudder Trim Tab
- AAR 47 Ops Check
- ALE 47 Ops Check
- ALR 56 Ops Check
- Aircraft Systems and General Equipment
- Aircraft Preflight and Familiarization
- Emergency Equipment and Ground Emergencies
- Fire Smoke/Fumes/Elimination, Electrical Fire, Load Shedding & APU Fire
- Fuel Systems Failure and Aerial Refueling Emergencies
- Emergency Procedures: Hydraulic Systems Failure
- Landing Gear Systems Failure
- Flap System Failures, Door and Ramp System Failures & Rapid Decompression
- Ditching/Crash Landing/Bailout Procedures and Cargo Jettison
- Aircraft Preflight and Familiarization Developed for iPad
- Remove & Install MX-25 EO/IR Turret Unit
- Auto Throttle Operation
- Flight Controls
- Landing Gear Operation

C-17 36

- Base Reference Walkaround
- External Electrical Power
- Fuel Quantity Troubleshooting via PSD-90
- Aircraft Defensive System, Upload/Download Flares, Laser Transmitter Remove/Replace
- APU Operations with Emergency Procedures
- BPO Inspections
- NLG Tire / MLG Tire and Brake Remove/Replace
- Preflight Inspections
- Thruflight Inspections
- Interactive Forward Loadmaster Station
- Aeromedical Evacuation NPC Double Blower Failure Troubleshooting
- Exterior Safety Inspection Checklist
- Loadmaster Cargo Compartment Prep Checklist
- Aircraft Inspection Virtual Walkaround
- Aeromedical Evacuation Virtual Walkaround
- Aeromedical Evacuation NPC-L Walkaround
- Air Data Computer System Ops Check
- Aircraft Towing/Towbar/Tow Vehicle
- ANDVT Ops check
- APU Change
- Automatic Pilot Control-Indicator Ops check
- Digital Interphone Ops check
- Engine Run Operations with Emergency Procedures
- HF Radio Ops Check
- ILS/Marker Beacon Ops Check
- Integral Jacking
- MFD System Ops Check
- Secure Voice Ops Check
- SIF/IFF Ops Check
- TACAN Ops Check
- TCAS/SKE Ops Check
- Thrust Reverser Pin, Repair, Remove/Replace
- Turn-on, Initialize, & Align IRS to FOM
- UHF Ops Check
- VHF Ops Check
- Weather Radar System Ops Check

DATA BASED ON ANALYSIS OF AIR FORCE CLASSROOM USAGE

C-5 64

- Base Reference Walkaround
- Schematic of the Air Data System
- Aircraft Egress
- Aircraft Launch and Recovery
- Apply and Disconnect External Power
- APU Operation
- ATM Operation
- Basic Postflight
- Defuel
- Emergency APU Shutdown Procedures
- Full Aircraft Kneeling System
- Harness and Lanyard
- LOX Servicing
- MLG Wheel and Tire Change
- Nitrogen Servicing
- Open and Close Engine Cowlings
- Operate Cargo Doors and Ramps
- OPS / Maintenance Aircraft Landing Gear Trainer
- Preflight
- Quick Turn
- Recouple Flaps and Slats
- Refuel
- Thruflight
- Towing and Parking
- Airplane Loading
- APU Procedures
- ATM Procedures
- General Winching Preparation
- Kneeling
- Load Planning
- MCDU Common Procedures
- Normal Procedures
- Palletized Cargo Loading
- After Landing Checklist
- After Loading Checklist
- Block-in Training Module
- Fire Suppression System
- Engine Running On-/Off-Load
- Unkneeling
- Aircraft Inspection OPS Walkaround Checklist
- Aircraft Crew Door Opening/Closing Procedures
- Cargo Door and Ramp System Procedures
- Vehicle Inspection
- Vehicle Loading
- AFCS Ops Check
- Air Data Computer/TCAS/ TTU-205 Ops Checks
- Aircraft Defensive System Loading, Upload/Download Flares
- CADCS Ops Check
- Digital Interphone Ops check
- Engine BoreScope/Blade Blend
- Engine Run Operations w/ Emergency Procedures
- E-TCAS Ops Check
- Flight Director Ops Check
- GPS/INS Ops check
- IFF Ops check
- LPCWR Ops Check
- MFDU Ops Check
- NBSV Ops Check
- TACAN Ops Check
- Thrust Reverser Pin, Repair, Troubleshooting, Remove/Replace
- UHF Ops Check
- UHF/VHF Ops Check
- VOR/ILS Ops check
- WBSV Ops Check

CV-22 22

- Base Reference Walkaround
- APU (Start, Stop and Emergency Procedures)
- Blade Fold Wing Stow
- Landing Gear and Brakes
- Preflight
- Safe for Maintenance
- Aircraft Defueling
- Aircraft Pressure Refueling
- Apply External Power
- Install Protective Covers/Plugs
- Left Outboard Swashplate Actuator
- Left Proprotor Blade Assembly
- Postflight
- Right Mast Nut Torque Stabilization
- Thruflight
- Constant Frequency Generator No. 1 Remove/Replace
- Engine Anti-Icing Valve Assembly Remove/Replace
- Full Disassembly and Build-Up of an Enhanced Left Proprotor Hub Assembly
- Left Blade De-Ice Distributor Remove/Replace
- MLG Shock Strut Servicing
- NLG Shock Strut Servicing
- No. 3 Hydraulic System Bleed

E-4B 22

- Base Reference Walkaround
- 1A3X1 Emergency Procedure Scenario
- Aircraft Egress
- Preflight Engineer/External Safety Inspection
- Apply/Remove External Power and Safe for Maintenance
- Flight Control and Landing Gear Door Operation Safety and Lock Out
- Low Frequency Transmission (LFTS) Operators and Maintenance Training
- Servicing Refuel/Defuel and Potable Water Service
- Flight Control and Landing Gear Door Operation Safety and Lock Out
- Air Data System Ops check
- Aircraft Danger Areas
- Autopilot/Flight Director Ops check
- Radar Ops Check
- C&D Ops check
- ETCAS Ops check
- GPS Ops check
- INS Ops check
- MHRS Ops check
- SIF Ops check
- TACAN Ops check
- UHF Ops check
- VOR/ILS Ops check

E-3 3

- Base Reference Walkaround
- AHRIS Inspection, Ops Check, T/S
- APU Operations w/ Emergency Procedures

E-8 17

- Base Reference Walkaround
- Communications/Navigation and Radar
- Aerospace Ground Equipment Operation
- Aircraft Jack
- Aircraft Power Up/Power Down
- Aircraft Preflight
- APU
- Autopilot Fast Ops Check
- Engine Trim Box
- Fuel Servicing (Refuel/Defuel/Transfer)
- Hydraulic Reservoir Servicing
- LOX Servicing
- Radar Initialization
- Safe for Maintenance
- Fuel Flow Indicator Remove/Replace
- Landing Gear Strut Servicing
- Emergency Procedure

F-15C 9

- Base Reference Walkaround
- AFCS Functional Tests
- Air Data Test Set
- Canopy Operation
- Electric (Static) Grounding
- Electrical Power Application
- External Ground Cooling Air Application
- External Hydraulic Power Application
- Ground Intercomm Connect/Disconnect

F-15E 21

- Base Reference Walkaround
- Preflight, Thru-Flight, Post-Flight, BPO-Pre
- Safe for Maintenance
- ADCP Ops check
- AFCS M-BIT
- Air Data Test Set
- Canopy Operation
- EGI BIT & Ops check
- Electric (Static) Grounding
- Electrical Power Application
- External Ground Cooling Air Application
- External Hydraulic Power Application
- Fuel Quantity Calibration
- Ground Intercomm Connect/Disconnect
- HUD Ops check
- IFF Ops check
- ILS Ops check
- Radar Set BIT
- Radio No. 3 Comm & Audio Signal Ops check
- Sniper ATP Ops check
- TACAN Ops check

F-16 15

- Base Reference Walkaround
- BPO Preflight Inspection
- Safe for Maintenance
- Component Location
- Digital Flight Control System Ops check
- EGI/INS Ops check
- Fire Control Radar BIT & Ops check
- Identify Danger Areas
- Interphone and Ground Interphone Ops check
- MFD Ops check
- UHF/VHF Ops check
- Upfront Controls
- Bleed Air Op Check
- Cockpit Pressurization Op Check
- Operational Checkout of High Stage Bleed Air Regulator and Shutoff Valve

HH-60W 21

- Base Reference Walkaround
- Instrument Display Ops Check
- Engine Run
- External Electrical Power: Connecting and Disconnecting
- APU
- AFCS Ops Check
- AHRIS (ESIS)
- Air Data System v2 (Pitot Static) Ops Check
- Danger Areas
- Digital Interphone Ops check
- EGI Ops check
- Indicating System Ops Check
- Multi-mode Comms Ops Check
- NBSV Ops Check
- Safe for Maintenance
- SIF/IFF Ops Check
- TACAN Ops Check
- UHF Ops Check
- VOR ILS Ops Check
- WBSV Ops Check
- Weather Radar Ops Check

KC-135 30

- Base Reference Walkaround
- Bleed Air Process to include Air Conditioning and Pressurization Equipment
- APU System
- CDU Software Upload
- Flight Director and Glideslope Ops Check
- Gaseous Oxygen Servicing
- Hydraulic Reservoir Servicing
- Preflight
- Refuel/Defuel/Transfer
- QSAS APU Operation w/ Emergency Procedures Applying Aircraft Power
- Aeromedical Evacuation Virtual Walkaround
- Pilot Preflight
- Preflight/Ground Ops, Boom Operator Procedures
- Flight Controls Operation/Calling
- Manual Flap Operation
- ACM R2/Servicing
- Air Data Ops Check
- Aircraft Vertical Fin Fold
- Auto Flight Control System Ops Check
- CCM Software Loading
- Danger Areas
- Depaneled Aircraft Walkaround (ISO Prepped)
- Engine Run w/ Emergency Procedures
- F-108 Fuel Package / MEC R2 (Cowl/Duct Open/Closing)
- Hot Pit Refuel/Defuel
- Indicating System Ops Check
- Main Aircraft Battery Remove/Replace
- Rudder PCU Remove/Replace
- Safe for Maintenance
- Safe for Maintenance/Power-On

KC-46 22

- Base Reference Walkaround
- APU Operations w/ Emergency Procedures
- AFDS Ops Check
- AFDS Structure Test
- Air Data Ops Check
- Aircraft Jacking
- C&D Ops Check
- Digital Interphone Ops check
- Engine Run w/ Emergency Procedures
- ETCAS Ops Check
- GPS Ops check
- IFF Ops check
- ILS Ops check
- Indicating System Ops Check
- INS Ops check
- Preflight/BPO
- Refuel/Defuel/Transfer Fuel Operations
- TACAN Ops Check
- UHF Ops Check
- VOR Ops Check
- Weather Radar Ops Check
- Aeromedical Evacuation Virtual Walkaround

MQ-9 6

- Base Reference Walkaround
- BPO/Preflight Inspections
- Fuel System Theory
- Propulsion Theory of Operation
- Remove and Install Left/Right Wing Assembly
- Safe for Maintenance

U-2 6

- Base Reference Walkaround
- AOA Ops Check
- Danger Areas
- Identify Component Locations
- Open/Close Canopy
- Pitot Static Leak Check

MC-130J 29

- Base Reference Walkaround
- AR Pods Timing Adjustment
- Loadmaster Rigging & Malfunction Procedures (Heavy Equipment & CDS)
- Preflight
- Bleed Air System and Distribution
- Mission Computer Operation
- MLG Strut Service
- NLG Strut Service
- Data Transfer and Diagnostics System (DTADS)
- Paratroop Door Remove/Replace
- Integrated Instrument and Flight Control System Distributed Air Data System (DADS)
- Thru-Flight Inspection
- Upload/Download OFF and DFDR Download Procedures
- Remove & Install of SKR Assembly
- Removal & Installation of Aileron Trim Tab
- Removal & Installation of Aileron and Replacement of Hinge Bearing
- Removal & Installation of Cargo Door
- Removal & Installation of Cargo Ramp
- Removal & Installation of Elevator Trim Tab
- Removal & Installation of Elevator and Replacement of Hinge Pin and Bearing
- Removal & Installation of Rudder Trim Tab
- AAR 47 Ops Check
- ALE 47 Ops Check
- ALR 56 Ops Check
- AAQ 24 Ops Check
- Aerial Refueling Pod Reel Response Operational Checkout
- Auto Throttle Operation
- Flight Controls
- Landing Gear Operation

RQ-4 9

- Base Reference Walkaround
- Aircraft Launch
- Aircraft Safe for Maintenance
- Engine Remove and Install
- MLG Tire and Wheel Assembly Remove and Install
- MP-RTIP Remove and Install
- Nose Landing Gear Remove and Install
- Load AICS Data w/SKL
- VTC & External Test Mode Apply Power

T-38 3

- Base Reference Walkaround
- Basic Post Flight Inspection
- Safe for Maintenance

T-6 3

- Base Reference Walkaround
- Basic Post Flight Inspection
- Safe for Maintenance

UH-1N 6

- Base Reference Walkaround
- Aircraft Preflight
- Engine and Reduction Gearbox (Combining Gearbox) Minor Maintenance
- General Minor Maintenance
- Intermediate Gearbox Minor Maintenance
- Main Transmission Minor Maintenance

ICBM 4

- Launch Facility Base Asset
- Launch Facility Entry & Exit Procedures
- LCC Floor Level
- Secondary Door Disassembly

VIRTUAL GARAGE 4

- Virtual Vehicle Inspection & Schedule Maintenance: Flightline Tow Tractor - Ford Bobtail
- Virtual Vehicle Inspection & Schedule Maintenance: 2013 Nissan Leaf + Electric Vehicle Charging Station
- Virtual Vehicle Inspection & Schedule Maintenance: Ford F150
- Hybrid Drive Technology Course

CDC 1

- 2M0X2 Missile and Space Systems Maintenance

MISC 13

- Fundamentals of Flight
- Weight & Balance
- Staircase Truck Operations
- Ambulift Operations
- Catering Truck Operations
- Lavatory Truck Operations
- Potable Water Truck Operations
- AGM-114 - Inspection, Handling, and Testing
- AGM-146 - Inspection, Handling, and Testing
- GBU-39 - Inspection, Handling, and Testing
- GBU-69/-70 - Inspection, Handling, and Testing
- 105MM Airborne Artillery (Inspection, Handling, Packing, Unpacking, and Assembly)
- 30MM Airborne Artillery (Inspection, Handling, Packing, and Unpacking)



LEGEND

ICON G GLASS AWAY D IN DEVELOPMENT

TEXT • MAINTENANCE • OPERATIONS

83 BASES SUPPORTED

500+ LEARNING MODULES

31K+ STUDENTS A YEAR

31 AIRCRAFT PLATFORMS

9 GROUND VEHICLES