

PROGRAM STATUS

135+ BASES SUPPORTED

675+ LEARNING MODULES

31 K+ STUDENTS A YEAR

35+ AIRCRAFT PLATFORMS

9+ GROUND VEHICLES

Data based on analysis of Air Force classroom usage

PROGRAM HIGHLIGHTS

No Licensing Fees  
IDC Contract Awarded  
23 Air Force Specialty Codes

BENEFITS OF XR  
Enhances Combat Capability  
Increases Readiness  
Improves Effective Training  
Strengthens Understanding  
Saves Energy Usage  
Decreases Aircraft Use



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INTEGRATED TECHNOLOGY PLATFORM

MODULE LIST



OPERATIONAL EXCELLENCE

35% INCREASE IN STUDENT RETENTION  
(USAF ITP Office)

40% REDUCTION IN AIRCRAFT DOWNTIME  
(USAF ITP Office)

\$23.9M SAVINGS RECORDED TO DATE  
(USAF OESA)

- 45% Faster Course Completion  
(USAF Program Office)
- 72% Reduction in Lost Training  
(USAF Program Office)
- 50% Reduction in Aircraft Needed for Maintenance Training  
(USAF Operational Energy Office)
- 30% More Student Throughput  
(USAF Program Office)

LEARNING MODULES

<b>A-10</b> 20	<ul style="list-style-type: none"><li>Base Reference Walkaround</li><li>Aircraft Refuel</li><li>Angle of Attack OPS</li><li>BoreScope</li><li>Hot Pits</li><li>Landing Gear Retraction for Flight Safety Circuit Check (Jacking)</li><li>Landing Gear Retraction for Flight Safety Circuit Check (Without Jacking)</li><li>PR, BPO,BPO/PR</li><li>Remove/Install Heads-Up Display and Operational Checkout</li><li>Aircraft Launch Procedures</li><li>Aircraft Recovery Procedures</li><li>Remove/Install Hydraulic Reservoir</li><li>Engine Run</li><li>Canopy Operation for Mx</li><li>Identifying Danger Areas</li><li>Safe for Maintenance</li><li>EGI BIT</li><li>LASTE Ops check &amp; BIT</li><li>Pitot-static System Ops check</li><li>SAS Ops check</li></ul>	<b>B-1</b> 16	<ul style="list-style-type: none"><li>Base Reference Walkaround</li><li>INS Precision Ground Alignment</li><li>NBSV/WBSV Ops check</li><li>Radar Ops check</li><li>SATCOM Ops Check (Voice, DAMA)</li><li>UHF-1 Ops check using IFR-4000</li><li>Aircraft Safe for Maintenance</li><li>AutoFlight &amp; Terrain Following Ops Check</li><li>Central Air Data Ops Check using ADTS 415F</li><li>Crew Intercom Ops check</li><li>General Vehicle Danger Areas</li><li>GPS Ops check</li><li>IFF Ops check</li><li>ILS Ops check using IFR-4000</li><li>Surface Position/Command Ind Checkout</li><li>TACAN Ops check</li></ul>
<b>AC-130J</b> 42	<ul style="list-style-type: none"><li>Base Reference Walkaround</li><li>Engine/Propeller Trainer</li><li>Fuel System Procedures for Refuel, Defuel, and Ground Transfer</li><li>Hydraulic Systems Operation for Cargo Door / Ramp, and Flight Controls</li><li>Oxygen Servicing Procedures (LOX)</li><li>Remove &amp; Install MX-25 EO/IR Turret Unit</li><li>Ammunition and Weapon Loading</li><li>Combined Pre - Flight/Post -Flight Inspection</li><li>Mission Computer Operation</li><li>Removal and Installation of Auxiliary Hydraulic System Pump</li><li>Removal and Installation of Engine Hydraulic Pump</li><li>Remove and replace Flight Deck Window (R2 Window - Nesa)</li><li>Normal Air-to-Air Refueling Procedures</li><li>Aircraft Performance</li><li>Degraded Operations</li><li>Fuel System Malfunctions and AAR Procedures</li><li>Joint Integration and Operations</li><li>Local Range Clearing and Local Procedures</li><li>Mission Support and Special Operations Overview</li><li>CSO/WSO Bread and Butter</li><li>Radios and COMSEC</li><li>Reconnaissance and Manual Tweaks</li><li>Safe Passage and Overwater Operations</li><li>SMA Emergency Procedures A</li><li>Tactical Approaches A</li><li>Threat Planning and Theatre Indoctrination</li><li>Threat Systems and Defensive Tactics</li><li>Electrical System Introduction</li><li>Oxygen System</li><li>Ramp &amp; Cargo Door</li><li>Intro to Aircraft Lighting</li><li>Crew Duties and History</li><li>Aircraft Systems and General Equipment</li><li>Aircraft Preflight and Familiarization</li><li>Emergency Procedures: Emergency Equipment and Ground Emergencies</li><li>Emergency Procedures: Fire</li><li>Smoke/Fumes/Elimination, Electrical Fire, Load Shedding &amp; APU Fire</li><li>Emergency Procedures: Fuel Systems Failure and Aerial Refueling Emergencies</li><li>Emergency Procedures: Hydraulic Systems Failure</li><li>Emergency Procedures: Landing Gear Systems Failure</li><li>Emergency Procedures: Flap System Failures, Door and Ramp System Failures &amp; Rapid Decompression</li><li>Emergency Procedures: Ditching/ Crash Landing/Bailout Procedures and Cargo Jettison</li><li>Aircraft Preflight and Familiarization Developed for iPad</li></ul>	<b>B-52H</b> 17	<ul style="list-style-type: none"><li>Base Reference Walkaround</li><li>Autopilot</li><li>Flight Director Ops Check</li><li>AHRS Ops check</li><li>Air Data System Ops Check using ADTS 415</li><li>Digital Interphone Ops check</li><li>GPS Ops check</li><li>ILS Ops check</li><li>INS Ops check</li><li>Multipurpose Radio Ops check</li><li>NBSV/WBSV Ops check</li><li>Safe for Maintenance</li><li>SIF/IFF Ops check</li><li>TACAN Ops check</li><li>UHF Ops check</li><li>UHF/VHF Ops check</li><li>VOR Ops check</li></ul>
		<b>C-17</b> 36	<ul style="list-style-type: none"><li>Base Reference Walkaround</li><li>Exterior Inspection Checklist</li><li>Interactive Cargo Compartment</li><li>Interactive Forward Loadmaster Station</li><li>Aircraft Inspection OPS Walkaround Checklist</li><li>Aeromedical Evacuation Negative Pressure</li><li>Conex Double Blower Failure Troubleshooting</li><li>Aeromedical Evacuation Negatively Pressurized Conex-L (NPC-L) Walkaround</li><li>Aeromedical Evacuation Virtual Walkaround</li><li>Aircraft Defensive System Loading/Up-load/Download Flares, Laser Transmitter R2</li><li>APU Operations with Emergency Procedures</li><li>External Electrical Power</li><li>Fuel Quantity Troubleshooting via PSD-90</li><li>Integral Jacking</li><li>Preflight Inspections</li><li>Thruflight Inspections</li><li>Engine Run Operations with Emergency Procedures (with Ability to Induce Faults)</li><li>Aircraft Towing/Towbar/Tow Vehicle</li><li>APU Change (To Include Trailer and Cradle Positioning)</li><li>NLG Tire / MLG Tire and Brake R2</li><li>Air Data Computer System Ops check</li><li>ANDVT Ops check</li><li>Automatic Pilot Control-Indicator Ops check</li><li>Digital Interphone Ops check</li><li>HF Radio Ops check</li><li>ILS/Maker Beacon Ops check</li><li>MFD System Ops check</li><li>Secure Voice Ops check</li><li>SIF/IFF Ops check</li><li>TACAN Ops check</li><li>TCAS/SKE Ops check</li><li>Turn-on, Initialize, &amp; Align IRS to FOM</li><li>UHF Ops check</li><li>VHF Ops check</li><li>Weather Radar System Ops check</li><li>BPO Inspections</li><li>Thrust Reverser Repair/R2/Pin Thrust Reversers/Repair</li></ul>

