



WELCOME TO X-CELL AVIATION EVV INC.

WE LOOK FORWARD TO THE OPPORTUNITY OF PROVIDING YOU WITH QUALITY RENTAL AIRCRAFT AT A FAIR PRICE. TO BE CONSIDERED AS A PILOT WITH ACCESS TO OUR AIRCRAFT WE DO REQUIRE A THOROUGH CHECKOUT PROCESS. THROUGH ORGANIZATION, NEW TECHNOLOGY, STRICT SYSTEMATIC PROCEDURES, AND ENTHUSIASM WE TOGETHER CAN PROVIDE A SAFE FLYING ENVIRONMENT. THOSE WHO KNOW ME KNOW I HAVE HIGH STANDARDS. I TRAIN PILOTS TO THESE STANDARDS AND WILL ACCEPT NOTHING LESS. BUT IN THE END WE ALL FLY SAFE AND HAVE GREAT EXPERIENCES. WE EXPECT THE HIGHEST LEVEL FROM OUR STUDENTS AND OUR RENTERS. IF YOU DO NOT LIKE OUR SYSTEM OR EXPECTATIONS WE ARE NOT OFFENDED AND YOU ARE WELCOME TO RENT FROM ANOTHER FACILITY.

BELOW IS THE PROCESS YOU SHOULD EXPECT NO MATTER HOW MANY HOURS AND RATINGS YOU HAVE. YOU WILL FOLLOW THIS OUTLINE IN FULL DETAIL. AS YOU WILL READ BELOW AND LEARN WE ARE FULL DIGITAL. WE HAVE NO PAPER ANYWHERE IN OUR PROCESS. EVERYTHING IS SETUP FOR IPAD MINI USE. YOU ARE REQUIRED TO USE AN IPAD MINI. IF YOU DO NOT HAVE 1 AND DO NOT WISH TO PURCHASE, WE DO RENT THEM COMPLETELY SETUP WITH FOREFLIGHT FOR \$10 PER FLIGHT.

ALSO OUR VFR CHECKOUTS EXCEED EXPECTATIONS FOR A FLIGHT REVIEW. SO ADDITIONALLY TO GETTING CHECKED OUT YOU RECEIVE A FLIGHT REVIEW ENDORSEMENT. \$150 VALUE. IF YOUR INSTRUMENT RATED AND RECEIVE THE IFR CHECKOUT LEVEL YOU ALSO RECEIVE AN IPC ENDORSEMENT.

STEP 1 - YOU REQUEST TO BECOME A RENTAL PILOT.

WE WILL EMAIL YOU THIS OUTLINE, WHICH YOU ARE OBVIOUSLY READING RIGHT NOW. AFTER REVIEWING COMPLETELY, YOU RESPOND BACK THAT YOU WISH TO CONTINUE THE CHECKOUT PROCESS AND WHICH AIRCRAFT.

STEP 2 - WE WILL PROVIDE YOU ACCESS TO OUR ONLINE LIBRARY. THIS WILL INCLUDE A VIDEO EXPLAINING OUR RENTAL AGREEMENT IN DETAIL, YOU ARE TO WATCH IT. ALSO ALL OF OUR DIGITAL CHECKLISTS, V SPEEDS, EMERGENCY PROCESSES, AND SOME EFB REGULATIONS FOR YOU RECORDS. THE WARRIOR WILL ALSO INCLUDE FULL VIDEOS FROM THE COCKPIT ON HOW TO OPERATE THE AIRCRAFT AND THE PROCEDURES FOR VFR MANEUVERS. YOU ARE EXPECTED TO REVIEW EVERYTHING. MEMORIZE V-SPEEDS (TEST), EMERGENCY PROCEDURES, AND PREPARE FOR THE FLIGHT WITH THE VIDEOS.

STEP 3 - ONCE STEP 2 IS COMPLETE SCHEDULE CHECKOUT.

STEP 4 - CHECKOUT PROCEDURE. EACH AIRCRAFT HAS DIFFERENT REQUIREMENTS. REVIEW OUTLINES. MOST ARE MULTI DAY, BUT POSSIBLE IN 1 IN SOME CASES. THE OUTLINE TIMES ARE APRX. SOME PILOTS OBVIOUSLY WILL HAVE THE KNOWLEDGE AND SKILL TO EASE THROUGH EACH STEP QUICKER THAN EXPECTED. OTHERS MAY TAKE LONGER. WE HAVE AN EXPECTED PASSING STANDARD YOU WILL HAVE TO DEMONSTRATE.

STEP 5 - AFTER CHECKOUT COMPLETE, PURCHASE REQUIRED RENTERS INSURANCE. PROVIDE COPY TO X-CELL AVIATION EVV INC.

STEP 6 - GO FLY..... KEEP CURRENT. NIGHT CHECKOUT?????

CHECKOUT OUTLINE

GROUND PORTION. ALL AIRCRAFT APRX 2 HOURS

10 MIN – MEET AND GREET.

15 MIN – SIGN RENTAL AGREEMENT. ASK QUESTIONS IF ANY. (VIDEO MUST HAVE BEEN WATCHED)

**15 MIN – SETUP IPAD MINI OR REVIEW RENTAL IPAD MINI.
REQUIRED APPS; FOREFLIGHT, GOOGLE DRIVE. TRANSFER DOCUMENTS. QUICK REVIEW.**

30 MIN – REVIEW WEATHER PLANNING ON FOREFLIGHT. WEATHER, AIRMETS, WEATHER LIMITATIONS, LLWS DISCUSS OUR EXPECTED WEATHER MINIMUMS. WE WANT YOU TO KNOW WHAT WE WOULD LIKE IN DETAIL. WE WILL NOT BE LOOKING OVER EACH FLIGHT YOU DO. WE WANT TO BUILD TRUST IN OUR RENTERS. HENCE THE DETAILED CHECKOUT PROCESS.

30 MIN – CREATE ACCOUNT ON X-CELL AVIATION WEB APP. REVIEW APP. DISCUSS PAVE RISK ASSESSMENT CHECKLIST. PER FAA REGS WE REQUIRE A FORMAL PAVE CHECKLIST, WEIGHT AND BALANCE CALCULATIONS, AND PERFORMANCE EXPECTATIONS. THESE ARE ALL BUILT INTO OUR MOBILE APP, SO VERY EASY AND QUICK.

10 MIN – FUEL PLANNING. AS PER THE RENTAL AGREEMENT WE ARE PRETTY STRICT ON FUEL AS IT IS ONLY FAIR TO EACH PILOT TO NOT HAVE TO HAUL A BUNCH OF WEIGHT REDUCING PERFORMANCE AND PASSENGER PAYLOAD. WE WILL GO THROUGH FUEL PLANNING AND EXPECTATIONS.

******* PIPER ARROW *******

30 MIN – HOW THE GEAR AND PROP SYSTEM WORKS. REVIEW MANUAL

COMPLETED DATE: _____

TIME : _____

RENTER : _____

SIGNED : _____

CFI : _____

SIGNED : _____

FLIGHT. APRX 1.5 - 2.0

**PIPER WARRIOR PA28-151 OR PA28-140 TAIL NUMBER SPECIFIC
PILOT REQUIREMENTS; STUDENT PILOT OR BETTER. NO MINIMUM TOTAL TIME**

5 MIN – COLD WEATHER PROCEDURES

10 MIN – CHECK FUEL, DETERMINE FUEL PLAN

25 MIN - COMPLETE DETAILED PREFLIGHT USING CHECKLIST

**17 MIN – STARTUP, WARMUP, PRE TAXI, SETTING RADIOS AND GPS. USE OF CHECKLISTS REQUIRED.
BRIEF ALL SYSTEMS, WHAT TO LOOK FOR. NORMAL INDICATIONS. GARMIN 430, G5,
CLEARANCE.**

**10 MIN – TAXI AND RUNUP. PROPER USE OF BRAKES ON TAXI. CHECKLIST. PROPER RUNUP
INDICATIONS. MINIMUM OIL TEMP.**

**5 MIN – PROPER TAKE OFF AND CLIMB. CLIMB SPEEDS. 500' AGL PRIOR TO TURNING ON COURSE
UNLESS OTHERWISE REQUESTED.**

**20 MIN – STANDARD VFR PROCEDURES. GET TO KNOW THE DYNAMICS OF THE PLANE. SLOW FLIGHT,
POWER OFF STALLS, POWER ON STALLS, STEEP TURNS**

10 MIN – STANDARD EMERGENCY PROCEDURES. NO POWER GLIDE. LIMITED POWER DIVERSION.

**10 MIN – ENROUTE PROCEDURES. GPS AND G5 SETUP. ALTITUDES AND LEANING PROCESS. FUEL
TANK SWITCHING.**

**10 MIN – ARRIVAL PROCEDURES. FLYING TO ANOTHER FIELD (EHR). DESCENT PROCEDURES. ENROUTE
DESCENT PLANNING. SHOCK COOLING. PROPER COMMUNICATIONS (AWOS, ASOS,
CTAF). PROPER TRAFFIC PATTERN PROCEDURES.**

**10 MIN – ARRIVAL PROCEDURES FOR CLASS C. ATIS. APPROACH. PATTERN AND RUNWAY
ASSIGNMENTS.**

**30 MIN – TRAFFIC PATTERN. GO-AROUNDS. TAKE OFF. LANDINGS. OUR NORMAL APPROACH IS ALSO A
SHORT APPROACH IN THE SENSE THAT WE ONLY ACCEPT AND APPROACH THAT IS STABLE
TO THE “AIMING POINT” (THRESHOLD), “ROUND OUT” CLEANLY, TOUCH DOWN NEAR THE
1000' MARKER. ANY APPROACH THAT IS NOT TO THOSE STANDARDS SHOULD BE A
GO-AROUND. WE ARE VERY SPECIFIC ON THAT. NO MATTER HOW LONG THE RUNWAY IS
WE ONLY NEED THE FIRST 1000' OR WE DON'T USE IT. PRECISION IS KEY TO SUCCESS.**

10 MIN – CROSS WIND PATTERNS AND LANDINGS.

5 MIN – SHORT FIELD DEPARTURE. USED AT SHORTER RUNWAYS OR WHEN NEAR GROSS WEIGHT.

**7 MIN – CLEAR OF RUNWAY AND SHUTDOWN CHECKLISTS. WE STOP CLEAR OF HOLD SHORT LINE FOR
AFTER LANDING CHECKLIST.**

END OF VFR CHECKOUT FLIGHT PORTION.

15 MIN - DEBRIEF AND LOG ENTRIES

10 MIN - CHECKOUT WRITTEN EXAM

10 MIN - IF SUCCESSFUL, ADD ACCESS TO ONLINE FLIGHT SCHEDULE, BADGE PHOTO, KEY ACCESS.

NIGHT CHECKOUT APRX .6

MUST HAVE DAY CHECKOUT

8 MIN - LIGHTING SYSTEMS. CHARGING SYSTEM

10 MIN - 2 NORMAL TAKE OFF AND LANDINGS

5 IN - 1 SIMULATED ELECTRICAL FAILURE LANDING

6 MIN - 1 NORMAL LANDING ON DIFFERENT RUNWAY

10 MIN - DEBRIEF. LOGBOOK

IFR CHECKOUT APRX 1.0

ALL VFR PLUS

10 MIN - IFR AIRCRAFT SPEEDS AND SETTINGS

15 MIN - VOR APPROACH

25 MIN - FULL RNAV APPROACH WITH PUBLISHED MISSED APPROACH. HOLDING.

15 MIN - ILS APPROACH

TAIL NUMBER: _____

COMPLETED DATE / TIME

VFR DAY: _____

IFR: _____

NIGHT: _____

RENTER : _____

SIGNED : _____

CFI : _____

SIGNED : _____

TAIL NUMBER: _____

COMPLETED DATE / TIME

VFR DAY: _____

IFR: _____

NIGHT: _____

RENTER : _____

SIGNED : _____

CFI : _____

SIGNED : _____

TAIL NUMBER: _____

COMPLETED DATE / TIME

VFR DAY: _____

IFR: _____

NIGHT: _____

RENTER : _____

SIGNED : _____

CFI : _____

SIGNED : _____

PIPER ARROW PA28R-200

**PILOT REQUIREMENTS; PER LIABILITY INSURANCE. PRIVATE PILOT OR BETTER.
125 HOURS TOTAL TIME NON X-CELL AVIATION PPSEL GRADUATE,
100 HOURS X-CELL AVIATION PPSEL GRADUATE.
10 HOUR MINIMUM DUAL INSTRUCTION WITH X-CELL AVIATION CFI**

FLIGHT

DAY 1 3.0 HOURS

5 MIN - COLD WEATHER PROCEDURES

10 MIN - CHECK FUEL, DETERMINE FUEL PLAN

25 MIN - COMPLETE DETAILED PREFLIGHT USING CHECKLIST. HOW TO INSPECT LANDING GEAR

**25 MIN - STARTUP, HOW TO START FUEL INJECTION. WARMUP, PRE TAXI, SETTING RADIOS AND GPS.
USE OF CHECKLISTS REQUIRED. BRIEF ALL SYSTEMS, WHAT TO LOOK FOR. NORMAL
INDICATIONS. GARMIN 420. EI ENGINE MANAGEMENT SYSTEM**

**10 MIN - TAXI AND RUNUP. PROPER USE OF BRAKES ON TAXI. CHECKLIST. PROPER RUNUP
INDICATIONS. MINIMUM OIL TEMP. PROP CYCLE**

**5 MIN - PROPER TAKE OFF AND CLIMB. CLIMB SPEEDS. 500' AGL PRIOR TO TURNING ON COURSE
UNLESS OTHERWISE REQUESTED. GEAR. PROP PROCEDURES**

**20 MIN - STANDARD VFR PROCEDURES. PERFORMANCE POWER/PROP SETTINGS. GET TO KNOW THE
DYNAMICS OF THE PLANE. SLOW FLIGHT, POWER OFF STALLS, POWER ON STALLS,
STEEP TURNS**

10 MIN - STANDARD EMERGENCY PROCEDURES. NO POWER GLIDE. LIMITED POWER DIVERSION.

5 MIN - EMERGENCY GEAR EXTENSIONS

**10 MIN - BASIC PATTERN SETUP PROCEDURES. PERFORM PATTERN PROCEDURES AT ALT IN PRACTICE
AREA. GEAR SPEEDS. MP/RPM SETTINGS. AIRSPEEDS**

**10 MIN - ARRIVAL PROCEDURES FOR CLASS C. ATIS. APPROACH. PATTERN AND RUNWAY
ASSIGNMENTS.**

**50 MIN - TRAFFIC PATTERN. GO-AROUNDS. TAKE OFF. LANDINGS. OUR NORMAL APPROACH IS ALSO A
SHORT APPROACH IN THE SENSE THAT WE ONLY ACCEPT AND APPROACH THAT IS STABLE
TO THE "AIMING POINT" (THRESHOLD), "ROUND OUT" CLEANLY, TOUCH DOWN NEAR THE
1000' MARKER. ANY APPROACH THAT IS NOT TO THOSE STANDARDS SHOULD BE A
GO-AROUND. WE ARE VERY SPECIFIC ON THAT. NO MATTER HOW LONG THE RUNWAY IS
WE ONLY NEED THE FIRST 1000' OR WE DON'T USE IT. PRECISION IS KEY TO SUCCESS.**

10 MIN – SHORT FIELD DEPARTURE. USED AT SHORTER RUNWAYS OR WHEN NEAR GROSS WEIGHT.

7 MIN – CLEAR OF RUNWAY AND SHUTDOWN CHECKLISTS. WE STOP CLEAR OF HOLD SHORT LINE FOR AFTER LANDING CHECKLIST.

15 MIN – DEBRIEF AND LOGBOOK

DAY 2 3.0 HOURS

15 MIN – BRIEF FLIGHT PLAN. AIRPORT HOPPING

10 MIN – FUEL PLANNING

15 MIN – PRE FLIGHT (CHECKLIST)

15 MIN - STARTUP, HOW TO START FUEL INJECTION. WARMUP, PRE TAXI, SETTING RADIOS AND GPS. USE OF CHECKLISTS REQUIRED. BRIEF ALL SYSTEMS, WHAT TO LOOK FOR. NORMAL INDICATIONS. GARMIN 420. EI ENGINE MANAGEMENT SYSTEM

10 MIN – TAXI AND RUNUP. PROPER USE OF BRAKES ON TAXI. CHECKLIST. PROPER RUNUP INDICATIONS. MINIMUM OIL TEMP. PROP CYCLE

2 HOURS – AIRPORT HOP THROUGH THE AREA. WORK ON CLIMB, LEVEL OFF, ENROUTE SETUP, AUTO PILOT, LEANING, ENROUTE DESCENT PLAN, COM AND PATTERN PROCEDURES (AWOS, ASOS, CTAF) ARRIVAL SETUP, PROPER PATTERNS, PROPER PATTERN ENTRIES AND PLANE SETUP, REGULAR LANDINGS, CROSSWIND LANDINGS.

10 MIN – ARRIVAL PROCEDURES FOR CLASS C. ATIS. APPROACH. PATTERN AND RUNWAY ASSIGNMENTS.

10 MIN – SHORT FIELD DEPARTURE. USED AT SHORTER RUNWAYS OR WHEN NEAR GROSS WEIGHT.

7 MIN – CLEAR OF RUNWAY AND SHUTDOWN CHECKLISTS. WE STOP CLEAR OF HOLD SHORT LINE FOR AFTER LANDING CHECKLIST.

15 MIN – DEBRIEF AND LOGBOOK

DAY 3 APRX 3.5 HOURS CROSS COUNTRY FLIGHT

35 MIN – DISCUSSION ON CROSS COUNTRY. BRIEF FLIGHT PLAN. OPERATING AT OPTIMAL ALTITUDES. SETUP FOREFLIGHT FOR AIRCRAFT. 120 PLUS MILE EACH WAY CROSS COUNTRY. WEATHER BRIEFING

10 MIN – FUEL PLANNING

15 MIN – PRE FLIGHT (CHECKLIST)

15 MIN - STARTUP, HOW TO START FUEL INJECTION. WARMUP, PRE TAXI, SETTING RADIOS AND GPS. USE OF CHECKLISTS REQUIRED. BRIEF ALL SYSTEMS, WHAT TO LOOK FOR. NORMAL

INDICATIONS. GARMIN 420. EI ENGINE MANAGEMENT SYSTEM

10 MIN – TAXI AND RUNUP. PROPER USE OF BRAKES ON TAXI. CHECKLIST. PROPER RUNUP INDICATIONS. MINIMUM OIL TEMP. PROP CYCLE

50 MIN – CLIMB, LEVELING OFF, CRUISE SETUP, AUTO PILOT, AGGRESSIVE ENROUTE LEANING, WEATHER DIVERTING, DECENT PLANNING, SAFE DECENT SPEEDS. SAFE DECENTS, SHOCK COOLING..... VA.....

10 MIN – ARRIVAL PROCEDURES. PATTERN ENTRY. COMMUNICATIONS.

******* TRIP WILL BE COMPLETE WITH A TAXI IN AND SHUTDOWN. A SHORT BREAK. THEN TRIP HOME UTILIZING THE SAME PROCEDURES ABOVE. WE LIKE TO GO TO SIKESTON FOR LUNCH OR SOMETHING FUN LIKE THAT.**

60 MIN – RETURN TRIP HOME UTILIZING THE SAME PROCEDURES ABOVE.

7 MIN – CLEAR OF RUNWAY AND SHUTDOWN CHECKLISTS. WE STOP CLEAR OF HOLD SHORT LINE FOR AFTER LANDING CHECKLIST.

15 MIN – DEBRIEF AND LOGBOOK

**DAY 4 3.5 HOURS CROSS COUNTRY CLASS B AIRSPACE. CVG
LOAD PLANE TO GROSS WEIGHT**

35 MIN – DISCUSSION CROSS COUNTRY. CLASS B OPERATIONS. BRIEF FLIGHT PLAN. OPERATING AT OPTIMAL ALTITUDES. WEATHER BRIEFING. WEIGHT AND BALANCE CONCERNS

10 MIN – FUEL PLANNING

15 MIN – PRE FLIGHT (CHECKLIST)

15 MIN - STARTUP, HOW TO START FUEL INJECTION. WARMUP, PRE TAXI, SETTING RADIOS AND GPS. USE OF CHECKLISTS REQUIRED. BRIEF ALL SYSTEMS, WHAT TO LOOK FOR. NORMAL INDICATIONS. GARMIN 420. EI ENGINE MANAGEMENT SYSTEM

10 MIN – TAXI AND RUNUP. PROPER USE OF BRAKES ON TAXI. CHECKLIST. PROPER RUNUP INDICATIONS. MINIMUM OIL TEMP. PROP CYCLE

50 MIN – CLIMB, LEVELING OFF, CRUISE SETUP, AGGRESSIVE ENROUTE LEANING, WEATHER DIVERTING, AUTO PILOT, DECENT PLANNING, SAFE DECENT SPEEDS. SAFE DECENTS, SHOCK COOLING..... VA.....

10 MIN – ARRIVAL PROCEDURES. PATTERN ENTRY. COMMUNICATIONS.

******* TRIP WILL BE COMPLETE WITH A TAXI IN AND SHUTDOWN, A SHORT BREAK, THEN TRIP HOME UTILIZING THE SAME PROCEDURES ABOVE.**

60 MIN – RETURN TRIP HOME UTILIZING THE SAME PROCEDURES ABOVE.

7 MIN – CLEAR OF RUNWAY AND SHUTDOWN CHECKLISTS. WE STOP CLEAR OF HOLD SHORT LINE FOR AFTER LANDING CHECKLIST.

END OF VFR CHECKOUT FLIGHT PORTION.

15 MIN – DEBRIEF AND LOG ENTRIES

10 MIN – CHECKOUT WRITTEN EXAM

10 MIN – IF SUCCESSFUL, ADD ACCESS TO ONLINE FLIGHT SCHEDULE, BADGE PHOTO, KEY ACCESS.

IFR CHECKOUT

DEPENDING ON PILOTS SKILL TO LEARN THE ARROW'S PROCEDURES, INSTRUMENT APPROACHES WILL BE ADDED AS ABILITY IS DEMONSTRATED. IN MOST CASES 1 ADDITIONAL FLIGHT WILL BE NEEDED TO FINALIZE IFR CHECKOUT.

10 MIN - IFR AIRCRAFT SPEEDS AND SETTINGS

15 MIN - VOR APPROACH. AUTO PILOT

25 MIN - FULL RNAV APPROACH WITH PUBLISHED MISSED APPROACH. HOLDING. LPV. AUTO PILOT

15 MIN - ILS APPROACH. AUTO PILOT

TAIL NUMBER: _____

COMPLETED DATE / TIME

VFR DAY: _____

IFR: _____

NIGHT: _____

RENTER : _____

SIGNED : _____

CFI : _____

SIGNED : _____