



IFR DEPARTURE BRIEFING	IFR APPROACH BRIEFING
<b>[W] WEATHER</b> <ul style="list-style-type: none"> <li>- Good enough to get back on departure, pitot heat</li> </ul>	<b>[A] ATIS</b> <b>[M] MARKER BEACONS</b> <ul style="list-style-type: none"> <li>- Turn on and test if ILS</li> </ul>
<b>[A] ABNORMAL</b> <ul style="list-style-type: none"> <li>- Prepared to abort on take-off</li> </ul>	<b>[I] IDENTIFY</b> <ul style="list-style-type: none"> <li>- Set radio &amp; navaid freqs and identify</li> </ul>
<b>[R] RUNWAY</b> <ul style="list-style-type: none"> <li>- Which one, how long, surface condition</li> </ul>	<b>[C] COURSE</b> <ul style="list-style-type: none"> <li>- Set final or next appr. course</li> </ul>
<b>[T] TERRAIN</b> <ul style="list-style-type: none"> <li>- Hills, water, best direction</li> </ul>	<b>[E] ENTRY TYPE</b> <ul style="list-style-type: none"> <li>- Full or straight-in? Reversal or procedure turn? Vectors?</li> </ul>
<b>[S] SPECIAL NOTES</b> <ul style="list-style-type: none"> <li>- Fine print, missed procedure</li> </ul>	<b>[A] ALTITUDES</b> <ul style="list-style-type: none"> <li>- Current, FAF, DA / MDA</li> </ul>
	<b>[T] TIME</b> <ul style="list-style-type: none"> <li>- FAF to MAP</li> </ul>
	<b>[M] MISSED APPROACH</b> <ul style="list-style-type: none"> <li>- Briefed</li> </ul>

MAXIMUM GLIDE			
RANGE in NM @ 65 KIAS, FLAPS UP			
AGL	Zero Wind	20 kt. Headwind	40 kt. Headwind
10,000	15	11	6.4
9000	13.5	9.9	5.8
8000	12	8.8	5.1
7000	10.5	7.7	4.5
6000	9	6.6	3.9
5000	7.5	5.5	3.2
4000	6	4.4	2.6
3000	4.5	3.3	1.9
2000	3	2.2	1.3
1000	1.5	1.1	0.6

OTHER EMERGENCY		
<b>EXCESSIVE RATE OF CHARGE:</b> turn both sides of master switch OFF, then ON. If light comes on again, terminate flight.		
<b>INSUFFICIENT RATE OF CHARGE:</b> Nonessential electric OFF. Terminate flight.		
<b>RADIO OUT:</b> Check circuit breakers & VOLUME. Recycle alternator switch. If in B, C, or D airspace, squawk 7600. Terminate flight.		
TWR SIGNALS	ON GROUND	IN FLIGHT
Steady Green	Cleared To Takeoff	Cleared To Land
Flashing Green	Cleared To Taxi	Return For Landing
Steady Red	STOP	Yield & Continue Circling
Flashing Red	Taxi Clear of Landing Area	Airport Unsafe – Do Not Land
Flashing White	Return To Starting Point	—
Alternating Red & Green	Use Extreme Caution	Use Extreme Caution

PREFLIGHT — CABIN
Pitot cover..... remove Papers (A.R.O.W.) ..... valid Control lock ..... remove Ignition switch ..... off, keys on dash Avionics master & elec..... off Circuit breakers ..... in Master switch..... on Gyros..... no unusual noise Fuel gauges ..... note level Flaps ..... lower in stages Avionics master switch ..... on <b>Navigational instruments ( IFR ) :</b> <ul style="list-style-type: none"> <li>- Marker beacons..... test hi / low</li> <li>- VOR..... test</li> <li>- GPS ..... database valid / self test OK</li> <li>- Transponder..... test, set ALT + 1200</li> </ul> Radios ..... copy ATIS Avionics master switch ..... off Pitot..... verify cover off Pitot heat ..... on, test, off Lights (beacon, strobe, nav) ..... all working Master switch..... off ADHRS ..... mount, secure battery EFB (inc. phone) ..... mount, secure battery,
<div>Set Level</div> connect ADHRS, reset level, update weather from Internet display taxi diagram
Windshield ..... clean

PREFLIGHT — NOSE
Spinner..... check for security, no cracks Propeller..... check for nicks, max. 1/8“ Cooling air intake ..... free of restrictions Carburetor air filter ..... free of restrictions Muffler ..... check for security Landing light(s) ..... check condition & clean Nose wheel strut..... inspect & check inflation Tire ..... check wear & inflation Static source opening ..... check for stoppage

PREFLIGHT — LEFT WING
Fuel tank ..... check quantity & secure cap Tire ..... inspect for wear & inflation Brakes ..... inspect for leaks & pad wear Pitot tube..... check intakes (2) clear Fuel vent ..... clear Tie down ..... remove Wingtip ..... check lights, rivet line & shake Aileron..... check hinges, pushrod, counterweights & movement Flaps..... check pushrod & movement Fuel drain ..... check fuel quality

PREFLIGHT — EMPENNAGE
Fuselage..... no structural damage Elevator ..... hinges, links & counterweights Rudder ..... hinges, links & counterweights Antennae ..... no damage Tie down ..... remove

PREFLIGHT — RIGHT WING
Fuel drain ..... check fuel, paper napkin test Flaps ..... hinge, pushrod & movement Aileron..... hinge, pushrod & counterweight Wingtip ..... lights, rivet line & shake wing Tie down ..... remove Tire ..... inspect for wear & inflation Brakes ..... inspect for leaks & pad wear Fuel tank ..... check quantity & secure cap

PREFLIGHT — NOSE RIGHT
Oil level ..... no less than 6 quarts Fuel strainer ..... check fuel quality Airplane ..... free to roll & no bald-spots <b>Overall ..... FINAL WALK-AROUND,</b> no openings, no forgotten objects

BEFORE STARTING ENGINE
Preflight inspection..... COMPLETE Seat & seat belts..... secure Fuel selector ..... both Avionics master switch ..... off Circuit breakers ..... in Brakes ..... test and set

STARTING ENGINE
Mixture ..... full rich Carburetor heat..... off Prime..... as required (< 3 strokes) Primer ..... in & locked Throttle ..... open 1/8 inch Rotating beacon ..... on Master switch ..... on Brakes ..... set Propeller area..... “CLEAR” Ignition ..... start ( 30s, 2m intervals ) Throttle ..... < 1000 RPM Oil pressure ..... green in 30 sec, or stop

<b>TIME ..... START TIMER</b>
-------------------------------

BEFORE TAXIING
Mixture ..... lean for taxi Flaps..... retract Heading indicator (H.I.) ..... mag. compass Avionics master switch..... on Radios / Nav / XPDR ..... on, set, ALT + 1200 Communications..... as required Brakes ..... test