

Safety Procedures and Practices Manual

For
14 CFR Part 141 and CFR Part 61
Rotorcraft/Helicopter Training
Courses

STAR-SPPM

Star Helicopters LLC 3670 W 120th Street Hawthorne, CA 90250

Safety Procedures and Practices Manual

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Written by Keith Harter

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Log of Revisions

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001	June 1, 2013	Complete Revision number change.	
		Removed Manual from Private Pilot Syllabus and made it a standalone manual.	
		Changed Flight Instructor Hours to 200 hours	
		Added Minimum Instructor Hour Requirements.	
		Added Rated Pilot Weather Minimums	
		Added Endorsements Page	
		Added additional Advisory Circulars	
		Added Rated Pilot Designated Practice Areas	
		Added Rated Pilot Solo Policies	
		Added Rated Pilot Cross Country Flights	
CAN			

List of Effective Pages

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About this Manual

This manual is a guide to assist the instructors and students to safely and efficiently conduct flight training at Star Helicopters, and meets all of the 14 CFR Part 141 and CFR Part 61 Rotorcraft/Helicopter Training Course Outline Safety Procedures and Practices requirements.

The flight training guidelines particularly for pre-private students are designed to instill confidence through repetition and familiarity. By using pre-selected practice airports and cross country routes

Failure to comply with this manual either intentionally or un-intentionally may be grounds for termination from the training program and possible termination of employment with Star Helicopters.

Any deviations from this manual must be approved in advance by the Chief Flight Instructor.

If in doubt about anything, ASK!



Safety Procedures
And Practices Manual

FLIGHT INSTRUCTOR REQUIREMENTS

Minimum Instructor Requirements

Holds Current – Commercial Pilot Certificate, Flight Instructors Certificate with appropriate category privileges, Second Class Medical Certificate.

To endorse a student for their CFI Certificate check ride, the flight instructor must have held their Flight Instructor Certificate with all aforementioned privileges for at least 24 months.

Has logged 200 hours total time in appropriate category.

Completed Robinson Safety Course

Minimum Instructor Hour Requirements

Training in R22

Requires 200 hours in Helicopters, 100 hours PIC in R22, R22 CFI Endorsement, Checkout with Chief Pilot

Robinson Helicopters Safety Course

Training in R22 Auto Rotations

Requires at least 500 hours in helicopters, 200 Hours dual given, Checkout with Chief Pilot

Training in R22 Hover Auto Rotations

Requires at least 600 hours in helicopters, 300 hours dual given, Checkout with Chief Pilot

Training in R44

Requires at least 500 hours in heli, 100 hours in R44, 200 hours Dual Given Helicopters, R44 CFI Endorsement, Checkout with Chief Pilot Robinson Helicopters Safety Course

Training in R44 Auto Rotations

Requires at least 500 hours in helicopters, 200 hours dual given, Checkout with Chief Pilot

Training in R44 Hover Auto Rotations

Requires at least 600 hours in helicopters, 300 hours dual given, Check out with Chief Pilot

Instructor Requirements to endorse CFI & CFII candidates for a Checkride are:

Part 61 – Instructor must have held Flight Instructor Certificate for 24 calendar months and have given 200 hours of dual given and 40 hours of ground instruction.

Part 141 - Instructor must have held Flight Instructor Certificate for 24 calendar months and have given 400 hours of dual given and 40 hours of ground instruction, and have endorsed at least 5 students for a practical test with a pass rate of at least 80%.

WEATHER MINIMUMS

Solo Weather Minimums – Student Pilot (Pre-Private)

- **Dual Flights:** The weather minimums for dual flights will be left to the discretion of the flight instructor. She/he will assure that the weather conditions do not violate any of the applicable Federal Aviation Regulations, any limitations stated in the Pilot's Operating Handbook or the Star Helicopters, LLC Company Policies, Procedures and Training Guidelines. The flight instructor **must** consider the benefit to, or adverse effect upon, the students training and learning ability when making a go/no-go decision based on the weather conditions.
- Solo Flights: The weather minimums for solo flights will be as shown in the following chart.

Gusts
Gusts
Gusts
Gusts Gusts

Cross Country Solo weather must be forecast to be VFR at time of departure and two (2) hours after the estimated time of arrival at final destination.

Maximum Operating Temperature 40 Degrees Celsius: The maximum outside air temperature at time of takeoff is 40 Degrees Celsius. No training flights may be conducted with outside air temperatures above 40 Degrees Celsius.

Any or all flights may be grounded when, at the discretion of the Chief Flight Instructor or Assistant Chief Flight Instructor, the weather conditions do not fall within the parameters set forth in this section, or are not conductive to effective flight training. It is always the student's responsibility to remain conservative and your personal minimums may be higher but flight is never permitted below these established minimums.

Weather Minimums – Rated Pilot

Weather Minimums

- Dual Flights: The weather minimums for dual flights will be left to the discretion of the
 flight instructor. She/he will assure that the weather conditions do not violate any of
 the applicable Federal Aviation Regulations, any limitations stated in the Pilot's
 Operating Handbook or the Star Helicopters, LLC Company Policies, Procedures and
 Training Guidelines. The flight instructor <u>must</u> consider the benefit to, or adverse effect
 upon, the students training and learning ability when making a go/no-go decision
 based on the weather conditions.
- Solo Flights: The weather minimums for solo flights will be as shown in the following chart.

Day Solo

	Ceiling	Visibility	Wind
Hovering	1000 feet	3 miles	20 knots or less, Gusts less 5 knots
Traffic Pattern	1000 feet	3 miles	20 knots or less, Gusts less 5 knots
Airport to Airport	1000 feet	3 miles	20 knots or less, Gusts less 5 knots
Cross Country	1000 feet	3 miles	20 knots or less, Gusts less 5 knots

Night Solo

	Ceiling	Visibility	Wind
Traffic Pattern	1500 feet	5 miles	10 knots or less, No Gusts
Local Flight	1500 feet	5 miles	10 knots or less, No Gusts
Airport to Airport	1500 feet	5 miles	10 knots or less, No Gusts

Cross Country Solo weather must be forecast to be VFR at time of departure and two (2) hours after the estimated time of arrival at final destination.

AIRCRAFT CHECKLISTS

Star Helicopters, LLC uses the Aircraft Pre-Flight and Startup/Shutdown Checklists prior to every flight and during Startup/Shutdown. (See the following Samples)

PRE-FLIGHT CHECKLISTS

R22 Beta II - Preflight Checklist	R22 Beta II - Preflight Checklist Page
Star Helicopters, LLC	AND THE PARTY OF THE TAX AND THE PARTY OF TH
NORMAL PROCEDURES CHECKLIST	6. TAIL COME Attachment Solts
Refer to AFM for expanded, Emergency and Abnormal Procedures	Rivets
named to reconstitute that defined that about the belliousted to the constitute for safe (Cupic, Check materials)	Skins No cracks or dents
most to be one almostly to advanting out will not expend one management or tempering regularment. Veryly b large obsested temperature increases during prior fight. In cold weather, remore even small	Drain Holes (Four) Clear
perfections of front. You or ties. There amongs consisting of africant and earlies as beans, discalaration the to	Inspection Ports Secure, Tight
r. Harts, chaffing, galling, roths, exercises, or cracks, verify no treiting at seams where parts are juried	Antenna & Stroke Light Condition
other. Presiding of aluminum parts produces a fine black powder, fruiting of sheet parts produces a residing broom Black residing.	THE PARTY STATE OF THE PARTY OF
E-PREFLIGHT	7. EMPENNAGE Yail Surfaces
Weather-YFRs-WAB-Performance Limitations Checked	Fasteners Tight
Flight Plan (If required) Completed	Position Light Check
Hobbs Time Checked to Flight Log	8. TAIL ROTOR
Verify That Flight Will Not Exceed Any Maintenance	Gearbox Otl Vistble, No Leaks
Covers	Control Belicrank Free Without Looseness Blades Clean and No Danage/Cracks
MAIN ROLD! THE DOWN REMAYOUT JEONES	Pressure Drain Holes
CABIN INTERIOR RIGHT (PILOT SIDE)	Pitch Change Bearing Free Movement
Aircraft Documents . AROW(Airworthiness Certificate Front	Rod Ends Free Without Looseness
Loose Articles, Baggage Compartment . Removed Stowed, Check	Pitch Link Jam Nuts Tight
Seat Belt Check Condition and Fastened	Teeter Bearings Check Condition
Instruments, Switches, and Controls Check Condition Clock Functioning	Teeter Bearing Bolt Does Not Rotate Gearbox Telatemp Normal
Master switch On	Horizontal Cross Tube
Clutch Circuit Breaker & Clutch Pulled/Engaged	9. ENGINE LEFT SIDE
Navigation, Strobe, Landing Lights (Night Flights) On	Tail Cone Attachment Bolts Tight
Position, Strobe, Landing Lights Check Working	Steel Tube Frame No Cracks
Navigation, Strobe, Landing Lights	Telatemps - Lower Bearing Normal
Clutch & Clutch Circuit Breaker Disengaged/Pushed Oil Pressure, Alternator	Lower Bearing
Warning Light Test Switches Push to Test	Engine Sheet Metal No Cracks
Fuel Quantity Check Gages	Fuel Lines and Oil Lines No Leaks or Chafing
Master Switch	Exhaust System No Cracks
FUSELAGE RIGHT SIDE	Engine General Condition Check Engine
Door Hinge Safety Pin	Engine Left Upper and Lower Mounts Check
Landing gear and Position light Check Ground Handling Wheel Removed	Right Magneto Check Secure, No Leakage Oil Pressure and Telatemp Check, No Loose Wires
Fuselage Condition, Rivets, Screws	Battery and Relay (If Located Here) Secure
COWL DOOR	Oil Filter (If Installed) Secure, No Leaks Oil (Only Fill If Below 4 qts)
Gearbox Oil Full, No leaks	011 (Only Fill If Below 4 qts) 4-6 qt
Gearbox Telatemp Normal	Throttle Linkage (Raise Collective) Operable
MR Chip Detector Check Secure Rotor Brake (Check Movement in Cowl) Actuation Normal	Correlater(Raise Collective-Throttle Into Detent)Operable 18. HAIN ROTOR (OD NOT PULL DOWN ON BLADES)
Rotor Brake	Blades
ELT Check Secure	Blade Tip Weights Check Secure
Flex Coupling, Yoke Flange(FWD) No Cracks, Nuts Tight	Pressure Drain Holes Not Blocked
Static Source Clear	Pitch Change Boots No Leaks
Control Rod Ends Free Without Looseness	Main Hinge Bolts
Tail Rotor Control	Pitch Link Jam Nuts
Upper Bearing	Pitch Link Safety Wire Secure
Telatemp - Upper Bearing Normal	All Fasteners Tight
V-belt Condition and Slack Check	Swashplate Scissors No Excessive Looseness
Flex Coupling, Yoke Flange(AFT) No cracks, Muts Tight	Blades Level
Steel Tube Frame No Cracks	11. FUSELAGE LEFT SIDE Door Hinge Safety Pin
All Fasteners	Landing Gear and Position Light Check
Cowl Door Latched	Ground Handling Wheel Removed
ENGINE RIGHT SIDE	Condition Fuselage All nuts secure
Air Intake Free, No Obstructions	12. CABIN INTERIOR LEFT (PASSENGER SIDE)
Left Magneto Secure, No Leakage	Baggage Compartment Check Removable Controls Secure if Installed
Right Upper and Lower Engine Mounts Secure, No cracks Voltage Regulator Secure, No Loose Wires	Collective Control
Oil Cooler Door Secure, No Loose Wires	Seat Belt Check Condition and Fastened
Engine Sheet Metal No cracks	Door Unlocked and Latched
Electrical Terminals Tight	13. NOSE SECTION
Fuel Lines and Oil Lines No Leaks or Chafing	Pitot Tube Clear Windshield Condition & Cleanliness Check
Carb Air Ducts & Carb Heat Scoop Secure Carb Heat Control Line	Fresh Air Vent and Landing Lights Clear/Check
Starter Relay Check, No Loose Wires	Fresh Air Vent and Landing Lights Clear/Check 14.FUEL TANKS (Use Gas Disposal Can for Samples)
Starter Motor and Ring Gear , Check Condition, Disengaged	Aux Fuel Tank Quantity (18.9-18.5 Usable) Check
Flywheel Check Teeth Condition	Filler Cap Tight Leakage No Leaks
Exhaust System No Cracks	Drain Sample
Engine General Condition Check Lower Sheave Groove Wear Smooth & uniform	Main Fuel Tank Quantity (19.8-19.2 Usable) Check
Telatemps - Lower Bearing	Filler Cap
Lower Bearing	Drain Sample
Steel Tube Frame	Gascolator Drain Sample
ENGINE REAR	Area Around Helicopter Clear
Cooling Fan Nut Pin in Line With Marks	Caution Sampaire perceits should be removed of person to belt seek to set a calou betrapper piter and during
Cooling Fan No Cracks	Figure. When Figure sain. Fill belt baggage comparison in country before unity right interribert. A
Ean Scroll No Franks	
Fan Scroll Housing Check	princip may require housing to shingle full travel of all posteria. When using a combine, verify bit op-
Fan Scroll No Cracks Fan Scroll Housing Check Drain Hole Clear	Susception posterily seized for research of person in left sent to out a color believabler pilet and during frights. Men Kripe soils. Nil left suggest posteriors in country before unity right independent seized represents an experiment of the country of the cou

Robinson R22 Beta II – Pre-Flight Checklist (Sample)

R44 Clipper II - Startup/Shutdown MAP - AIR SPEEDS - FUEL Star Helicopters, LLC R44 Clipper II NORMAL PROCEDURES CHECKLIST Refer to AFM for expanded, Emergency and Abnormal Procedures LIMIT MANIFOLD PRESSURE - IN, HG Caution Skid Clamps Removed/Secured Covers Removed/Stowed 21.5 21.8 22.1 22.4 22.6 22.9 23.1 23.3 20.9 21.2 21.5 21.8 21.1 22.3 22.5 22.8 20.4 20.7 21.0 21.3 21.5 21.8 22.0 22.2 22.0 22.2 19.9 20.2 20.5 20.8 21.0 21.3 21.5 21.7 19.5 19.8 20.1 20.3 20.8 20.8 20.8 21.0 21.3 Main Rotor Tie Down ... Removed/Stowed So sure rotor blades are approx. level to avoid possible tailcome strike 2000 4000 BEFORE STARTING ENGINE 6000 8000 19.1 19.4 19.6 19.9 12000 FOR MAX TAKEOFF POWER (5 MIN) ADD 2.8 IN. HG Cyclic Neutral Friction On 24.3 24.6 24.9 25.2 25.4 25.7 25.9 26.1 23.7 24.0 24.3 24.6 23.9 25.1 25.3 25.6 23.2 23.5 23.8 24.1 24.3 24.6 24.8 25.0 22.7 23.0 23.3 23.6 23.8 24.1 24.3 24.5 2000 6000 22.7 23.0 23.3 22.3 22.6 22.9 23.1 21.9 22.2 22.4 22.7 8000 12000 STARTING ENGINE AND RUN-UP Closed (INTO DETENT) Master Switch On Area Clear 2000 4000 126 122 117 113 117 112 107 101 6000 8000 91 101 95 90 85 10000 117 112 105 101 12000 Never-Exceed Airspeed (Vne) - Up to 3000 feet density attitude 2200 lb TOGW & Below 130 KIAS 120 KIAS Over 2200 lb TOGW KIAS Autorotation Any Doors Removed KIAS Floats Inflated (DO NOT INFLATE ABOVE 80 KIAS) 80 KIAS AIRSPEEDS FOR SAFE OPERATI Takeoff & Climbs Maximum Rate of Climb (Vy) 55 KIAS Maximum Range 100 KIAS KIAS Landing Approach 80 Autorotation Autorotations Perform At Minimum Attitude of 800 AGL Autorotation Airspeeds Never Exceed Speed (Max Vme) Chart Check Recommended @ 100% RPM 70 KIAS Cyclic/Collective Friction Maximum Glide(Above 500 AGL) @ 90% RPM 90 KIAS Minimum Rate of Descent @ 90% RPM 55 KIAS Right Forward 1" to Left Aft 1" Left Forward 1" to Right Aft 1" 80% rotor RPM plus 1% for every 1000 feet Density Attitude Collective Lift Slightly 1° MAXIMUM WEIGHT FOR WATER OPERATIONS 2400Ib. Hydraulic Switch Governor On Increase Throttle (Keeping MP < 15") RPM 181-182% Fuel Gage Indications to Approximate Fuel Quantities Main Tank Aux Tank 28-7 16:0 41.7 - 7/8 -14.9 26.8 SHUTDOWN PROCEDURE - 3/4 -38.6 23.0 - 3/4 -3596 28(1) 19.1 - 5/8 -9.2 - 1/2 -28.5 Wait 30 seconds Pull Mixture Idle Cut-Off 21.0 15.3 - 1/2 -Wait 38 seconds Apply Rotor Brake 13.4 - 1/4 -Rotor Break Leave Engaged 11.5 - 3/8 -9.6 Fuel Quantity Note - 1/4 -EMPTY 7.7 Master Switch 0.0 Re-Fuel To 35 Gallons Indicated EMPTY Inflation Lever Safety "Locked" Low fuel light indicates approx. 3 gallon usable fuel remaining. The engine will run out of fuel after 10 minutes at cruise power. (Revision I: 04/01/2012) © Star Helicopters, LLC PAGE 1 (Revision I: 84/91/2012) © Star Helicopters, LLC PAGE 2 PAGE 1

Robinson R44 Clipper II – Startup/Shutdown Checklist (Sample)

STARTING AND TAXIING

- Use of the Aircraft Startup Checklist will be used to start the aircraft.
- Hover taxi ground speed shall not exceed a brisk walk and an altitude of 3 to 5 feet shall be maintained. Low power, low speed and constant vigilance will be maintained when taxing.
- Air taxi is not permitted for pre-private pilots without a CFI on board.
- Pilots will read back all taxi clearances to ground control or air traffic control.
- Pilots will read back all ATC instructions to air traffic control.

FIRE PRECAUTIONS AND REFUELING PROCEDURES

When refueling, each aircraft must be grounded, additionally the following restrictions apply:

- All students will be instructed (before their first solo) on precautions against ground and inflight fires and the procedures to be taken if they should occur.
- All students will be instructed in the location and use of the fire extinguisher in the aircraft (If installed).
- Students must be familiar with the emergency procedures relating to fires in the Pilot's Operating Handbook for the particular aircraft being operated.
- Extreme care should be taken to avoid over-priming.
- No refueling with persons in the aircraft.
- No refueling inside the hanger.
- No fuel samples will be taken inside the hangar.
- No smoking within 50 feet of any aircraft.

PROCEDURES AFTER UNSCHEDULED LANDINGS

- On-airport: In the event of an unscheduled landing (a landing at an airport other than
 the airports indicated on the flight plan or authorized by the flight instructor in the solo
 cross country endorsement), the student will secure the helicopter by installing the
 blade tie-downs, locking the doors and securing the aircraft with whatever means
 available, and contact Star Helicopters, LLC (Call collect if needed) for instructions. At
 no time will the student continue the flight without the specific authorization of either
 their primary flight instructor, the Chief Flight Instructor or the Assistant Chief Flight
 Instructor.
- Off airport: The student will assess personal injury (Contact 911 if injured) and damage
 to the aircraft first, assure fuel is shut off and all fire potential has been eliminated. If
 possible, secure the aircraft and determine location. Immediately report to Star
 Helicopters, LLC (Call Collect if need) providing as much information as possible
 (injuries, damage, location, etc.). At no time will the student attempt to take off from
 an unprepared landing area.

AIRCRAFT DISPATCH PROCEDURES

NO AIRCRAFT MAY BE DISPATCHED WITH OPEN MAINTENANCE ITEMS.

Students will be dispatched by their primary instructor. Instructors may dispatch students other than their own **only** if they are a current Star Helicopters Part 141 certified instructor and they have flown with that student within the previous 30 days.

AIRCRAFT DISCREPANCIES AND SQUAWKS

Anytime the student or CFI discovers a discrepancy (squawk) with the aircraft it will be recorded on the aircraft discrepancy sheet (See Sample Below). The following procedure will be followed:

- The student will give as detailed a description as possible of the problem to their primary flight instructor or the Chief Flight Instructor or the Assistant Chief Flight Instructor.
- The aircraft will not be dispatched for flight until it has been inspected by Certified
 Flight Instructor or the Chief Flight Instructor or the Assistant Chief Flight Instructor or a
 certified mechanic, using FAR 91.213 and FAR 91.205 and the Aircraft POH it's
 airworthiness must be determined. An entry will be made in the aircraft discrepancy
 sheet stating either NO FLIGHT AIRCRAFT IS DOWN FOR MAINTENANCE or FLIGHT
 ALLOWED DEFFERED TO NEXT SCHEDULED INSPECTION.
- If the aircraft is determined to be un-airworthy it will not be dispatched for flight until
 signed off by a certified mechanic in the aircraft discrepancy sheet stating <u>RETURNED</u>
 TO FLIGHT STATUS.
- If the discrepancy is found to not affect the safety of flight in accordance with FAR 91.213, it will be deferred to next scheduled inspection and returned to flight status.

ALL SCHOOL MEMBERS READ AND SHOULD REFER TO THE CURRENT COPIES OF THE FOLLOWING FAA ADVISORY CIRCULARS AND OTHER DOCUMENTS

PILOTS ROLE IN COLLISION AVOIDANCE - AC 90-48

Pilots are required to be aware of the pilot's role in collision avoidance. AC 90-48 Alerts all pilots to the potential hazards of midair collision and near midair collision, and to emphasize those basic problem areas related to the human causal factors where improvements in pilot education, operating practices, procedures, and improved scanning techniques are needed to reduce midair conflicts. All school members must read **FAA Advisory Circular 90-48(current revision)** available online at www.faa.gov.

Prior to takeoff pilots will clear the area, both left, right, above and below (A left 360 degree pedal turn is preferred if conditions permit). In flight pilots will clear, both left, right, above and below prior to making any turns or performing any maneuvers.

ROLE OF PREFLIGHT PREPARATION - AC 61-84

Pilots role in preflight preparation, one of the most often neglected acts of a pilot contemplating flight in an aircraft is that of proper preflight planning While the reasons remain obscure the facts are well supported by aircraft accident statistics. All school members must read **FAA Advisory Circular 61-84(current revision)** available online at www.faa.gov.

POSITIVE EXCHANGE OF FLIGHT CONTROLS - AC 61-115

All pilots and specifically student pilots, instructors and pilot examiners should use specific procedures to establish a positive exchange of flight controls. Using these procedures both pilots always know exactly who is flying the plane at all times.

For instance, if the flight instructor is giving the flight controls to the student the flight instructor says, "You have the flight controls." The student then takes the flight controls and says, "I have the flight controls." The flight instructor visually checks to make sure the student has the flight controls and then says "You have the flight controls."

If the flight instructor needs to take the flight controls they start the process by saying: "I have the flight controls." Student: "You have the flight controls." Instructor: "I have the flight controls." All school members must read FAA Advisory Circular 61-115(current revision) available online at www.faa.gov.

WAKE TURBULENCE - AC 90-23

Pilots are required to be aware of the perils associated with wake turbulence and low-level wind shear. AC 90-23 Alerts pilots to the hazards of aircraft wake turbulence and recommends related operational procedures. All school members must read **FAA Advisory Circular 90-23(current revision)** available online at www.faa.gov.

TRAFFIC ADVISORY PRACTICES AT AIRPORTS WITHOUT OPERATING CONTROL TOWERS-AC 90-42

Contains good operating practices and procedures for use when approaching or departing airports without an operating control tower and airports that have control towers operating part time. Includes changes in radio frequencies and phraseology. All school members must read **FAA Advisory Circular 90-42(current revision)** available online at www.faa.gov.

Student Pilot (Pre-Private)

DESIGNATED TRAINING/PRACTICE AREAS

Star Helicopters, LLC utilizes practice areas defined by depiction in the included VFR Chart excerpts. If water is within the depicted area, at no time shall the aircraft fly beyond its power-off gliding range from shore. Aircraft should contact the appropriate helicopter frequency when operating in the practice areas that are not under Air Traffic Control. Aircraft operating within the inland portion (if applicable) of the practice area will maintain an altitude sufficient to ensure safe terrain clearance at all times.

Before a solo flight, the student will be briefed by his/her instructor in regard to the location and limits of the practice area. Except when on an authorized cross-country flight, students must remain within the designated practice area.

The following airports will be used for training flights:

Non Cross-Country	Solo Hovering & Traffic Patterns
-------------------	----------------------------------

HHR TOA (North Pad)

TOA

No Traffic patterns during Robinson Safety

LGB LGB (Pads 1-4)

CPM

No Traffic Patterns from LGB Pad 5-6

EMT

Hovering & Traffic Pattern Solos are

NOT PERMITED AT HHR

Day Dual Cross-Country Solo Airport to Airport

HHR AJO TOA LGB

Night Dual Cross-Country Solo Cross-Country

HHR AJO AJO F70 F70

The following training areas will be used for training flights:

Area A Area B

Settling with Power Introduction to Autorotation's Simulated Engine Failures

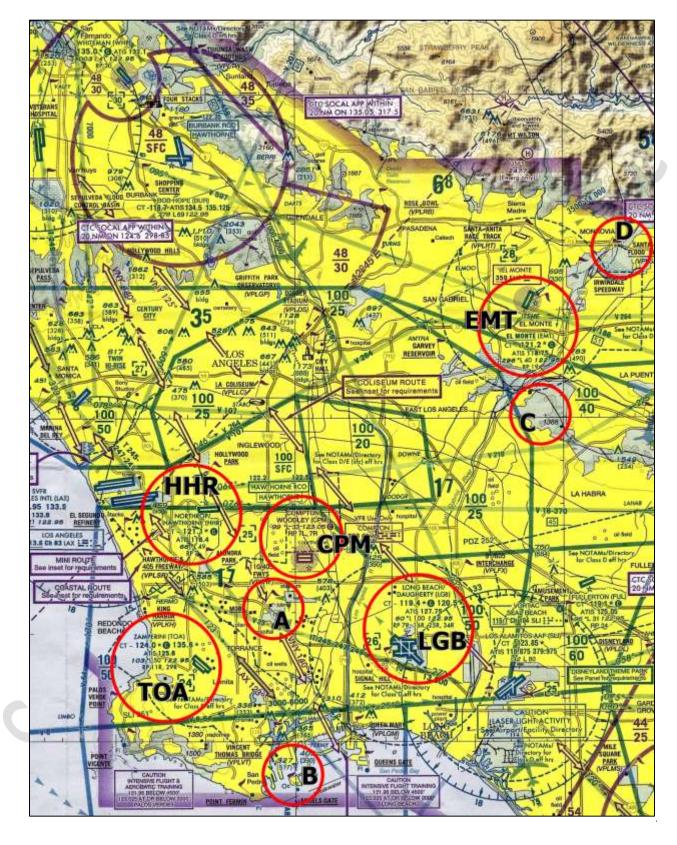
Pinnacles & Confined Areas

<u>Area C</u> <u>Area D</u>

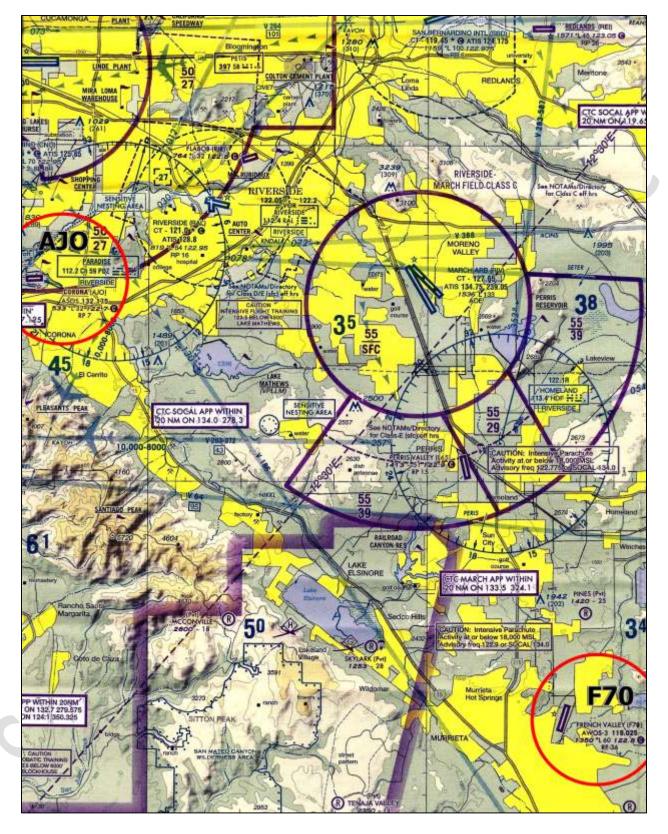
Off Airport Off Airport

Pinnacles & Confined Areas Pinnacles & Confined Areas

DESIGNATED TRAINING/PRACTICE AREAS - VFR CHART EXCERPT ILLUSTRATIONS



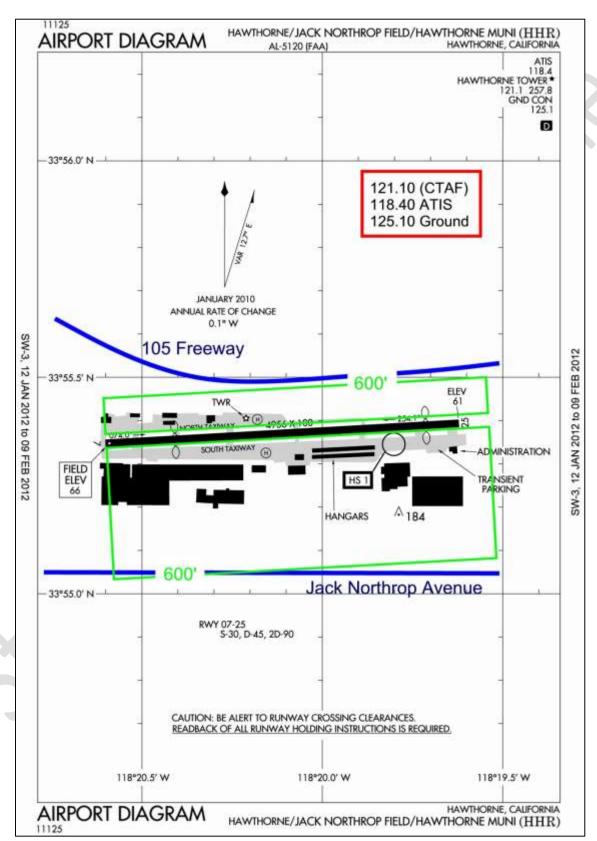
Training Area - Chart 1



Training Area - Chart 2

AIRPORTS - USED FOR TRAINING

Please refer to the following Airport Diagrams for Arrival/Departures routes and Traffic Pattern restrictions.



Jack Northrop Field/Hawthorne Airport (HHR)

Rated Pilot

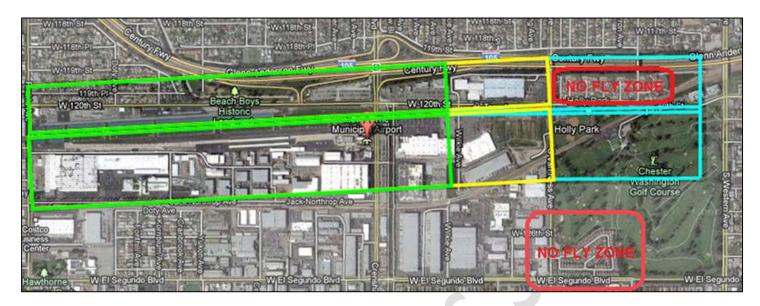
DESIGNATED TRAINING/PRACTICE AREAS

Star Helicopters, LLC in addition to the Student Pilot Designated Training/Practice Areas list earlier in this manual, utilizes the Los Angeles Sectional Area chart as the practice area for Commercial, Instrument, Flight Instructor and Flight Instructor with Instrument Rating training courses. Aircraft should contact the appropriate helicopter frequency when operating in areas that are not under Air Traffic Control. If water is within the practice area, at no time shall the aircraft fly beyond its power-off gliding range from shore.



HAWTHORNE AIRPORT NOISE ABATEMENT

Traffic Patterns for Noise Abatement



Left and Right Traffic Patterns are authorized. Be aware of the Class B Boundaries.

Avoid operations outside of the above depicted Traffic Patterns.

Green - Traffic Patterns - No Restrictions.

Yellow – Traffic Patterns - Avoid Repetitive Patterns.

Blue – Traffic Patterns – Limit Operations in this area as much as possible.

RESPECT THE NO FLY ZONE's, they are for noise abatement.

Student Solo flights are not permitted at HHR, except for Arriving / Departing from Airport to Airport and Cross Country Solo flights.

Running Landing Practice is Not Permitted at HHR.

Full down Auto Practice is Not Permitted at HHR.

Student Pilot (Pre-Private) SOLO FLIGHT POLICIES

The following Solo Cautions and Policies must be observed at all times during all Solo Flights. All solo flights are supervised, CFI to remain at heli pad for all Hover and Traffic pattern solo's and CFI to remain at Star Helicopters during Airport to Airport and Cross Country solo's.

Hover Solos are only permitted at TOA North Pad and LGB Pads 1 thru 4.

Traffic Pattern Solos are only permitted at TOA North Pad and LGB Pads 1 thru 4.

Cross Country Solos are only permitted at HHR, AJO and F70

- Passengers will not be carried on any student pilot solo flights.
- The student must complete a weight and balance calculation prior to each solo flight and must determine that the aircraft is within CG during all phases of flight.
- The student must check all performance charts to insure that the aircraft is within the performance limitations for all phase of flight (OGE Hover, IGE Hover, Manifold Pressure Limitation, Airspeed limitations).
- Solo Night flights will not be allowed. All solo flights must be back at Star Helicopters, LLC no later than one hour prior to official sunset.
- Solo flights are not allowed at Torrance during Robinson Safety Course week.
- DUAL CONTROLS MUST BE REMOVED for all Cross Country and Airport to Airport solo's.
- Check Weather & file flight plan before each cross country flight with FAA. CFI to review and initial.
- Day VFR, Wind < 10 knots 0 gusts, forecasted for 2 hours beyond arrival time back at HHR.
- No Emergency Procedure training is allowed (Auto's, Quickstops, Running Landings, Settling with Power, Slopes, Hover Auto's, Governor Off Training, Low Rotor RPM Training, etc.).
- No off airport landings are allowed except for emergencies.
- No LAX Transitions.
- No taking pictures during flight, keep your camera under your seat.
- No cell phone calls during flight, keep your cell phone under your seat.
- Watch for traffic!
- Maintain enough altitude from obstacles at all times. Stay at least 500 feet AGL.
- Return or land at a safe area if weather is bad. Do not continue the flight.
- Perform a preflight check before all engine startups.
- Never release right hand from cyclic in solo.
- Watch for tower on North Arrival/North Departure to/from TOA and Tower West of FUL.
- Stay clear of Disney TFR.
- No solo at TOA when RHC is having the safety course.
- Traffic pattern at TOA is allowed only at North pad.
- No landing at pads 5 or 6 at LGB on solo flights. No solo at LGB if runway active is other than 30.
- Do not remove left door.
- Local solo is prohibited for more than 2 hours per day

I Understand and agree to all of the above Solo Policies during all solo flights.	I have reviewed the above policies with the student. They understand the Solo and they are prepared to make their required solo flights.
Student Signature	CFI Signature
Printed Name	Printed Name
Date	Date

Rated Pilot

SOLO FLIGH POLICIES

The following Solo Cautions and Policies must be observed at all times during all Solo Flights. All solo flights in Stage 2 are supervised solo flights, including the night solos. The total supervised solo time is 10. CFI to remain at Star Helicopters during all supervised solo flights.

Hover Solos are only permitted at TOA North Pad and LGB Pads 1 thru 4.

Traffic Pattern Solos are not permitted at HHR.

HOVER AND TRAFFIC PATTERN SOLOS ARE NOT PERMITED AT HHR

Solo Cautions & Policies

- Passengers will not be carried on any student pilot solo flights.
- The student must complete a weight and balance calculation prior to each solo flight and must determine that the aircraft is within CG during all phases of flight.
- The student must check all performance charts to insure that the aircraft is within the performance limitations for all phase of flight (OGE Hover, IGE Hover, Manifold Pressure Limitation, Airspeed limitations).
- Solo Night flights will not be allowed. All solo flights must be back at Star Helicopters LLC no later than one hour prior to official sunset.
- Solo flights are not allowed at Torrance during Robinson Safety Course week.
- DUAL CONTROLS MUST BE REMOVED for all Cross Country and Airport to Airport solo's.
- Check Weather & file flight plan before each cross country flight with FAA. CFI to review and initial.
- Cross Country Flights Day VFR, Wind < 20 knots gusts less than 5 knots, forecasted for 2 hours beyond arrival time back at HHR.
- No Emergency Procedure training is allowed (Auto's, Quickstops, Running Landings, Settling with Power, Slopes, Hover Auto's, Governor Off Training, Low Rotor RPM Training, etc.).
- No off airport landings are allowed except for emergencies.
- No LAX Transitions.
- No taking pictures during flight, keep your camera under your seat.
- No cell phone calls during flight, keep your cell phone under your seat.
- Watch for traffic!
- Maintain enough altitude from obstacles at all times. Stay at least 500 feet AGL.
- Return or land at a safe area if weather is bad. Do not continue the flight.
- Perform a preflight check before all engine startup's.
- Never release right hand from cyclic in solo.
- Watch for tower on North Arrival/North Departure to/from TOA and Tower West of FUL.
- Stay clear of Disney TFR.
- No solo at TOA when RHC is having the safety course.
- Traffic pattern at TOA is allowed only at North pad.
- No landing at pads 5 or 6 at LGB on solo flights. No solo at LGB if runway active is other than 30.
- Do not remove left door.
- Non-Cross Country solo practice is limited to a maximum of 2 hours per day, unless permission is given by the Chief Flight Instructor.

I Understand and agree to all of the above Solo Policies during all solo flights.	I have reviewed the above policies with the student. They understand the Solo and they are prepared to make their required solo flights.
Student Signature	CFI Signature
Printed Name	Printed Name
Date	Date

CROSS-COUNTRY FLIGHTS – STUDENT PILOT (Pre-Private)

Destination airports for all dual/solo cross-country flights are as follows:

1st Cross-Country Flight (Dual)

HHR-AJO (Using Dead Reckoning) AJO-HHR (Using Pilotage)

2nd Cross-Country Flight (Dual)

HHR-AJO-F70 (Using Dead Reckoning) F70-HHR (Using Pilotage)

3rd Cross-Country Flight (Solo)

HHR-AJO-F70 (Using Dead Reckoning) F70-HHR (Using Pilotage)

A new flight plan must be filled and activated for each solo cross-country flight and is recommended for student practice on all duel cross-country flights.

CROSS-COUNTRY FLIGHTS - RATED PILOTS

Any airport within the Los Angeles Sectional Chart may be used for Cross Country flights.

ADDITIONAL SAFETY PRACTICES

All flights will be conducted and accomplished in accordance with the Federal Aviation Regulations part 141.85(b).

All Part 141 flights will be conducted and accomplished in accordance with the FAA approved Star Helicopters, LLC Part 141 Training Course.

All flights will be conducted and accomplished in accordance with the Star Helicopters, LLC Safety Procedures and Practices Manual.

A Star Helicopters, LLC qualified Part 141 Flight Instructor is required to be at Star Helicopters, LLC prior to takeoff and remain at Star Helicopters, LLC until arrival on all Solo Flights.

An operable flash light must be carried by the student and their CFI for all night flights.

STAR HELICOPTERS SOLO/RENTAL INSURANCE AGREEMENT

The student must complete and sign the Star Helicopters Student Solo/Rental Insurance Agreement forms and pay for their solo Insurance prior to any solo flights.



I have been given a copy of the Star Helicopters LLC

Safety Procedures and Practices Manual

I have read and understand and agree to comply with the instructions, procedures, terms and conditions set forth in the Star Helicopters LLC

Safety Procedures and Practices Manual

Student Signature	
Printed Name	Date





Safety Procedures and Practices Manual

This manual is a guide to assist the instructors and students to safely and efficiently conduct flight training at Star Helicopters.

This manual meets all of the 14 CFR Part 141 and CFR Part 61 Rotorcraft/Helicopter Training Course Outline Safety Procedures and Practices requirements.

Star Helicopters LLC

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