LIGHT SPORT AIRCRAFT - SETS OF AIRCRAFT

Airplane

87 KCAS VH or <				>87 KCAS			
Tricycle gear	Tailwheel	Float equipped	Ski equipped	Tricycle gear	Tailwheel	Float equipped	Ski equipped
4A11	4B11	4C21	4D11	4A12	4B12	4C22	4D12

Gyroplane

Tractor	Pusher, Fully enclosed, side-by-side seating	Pusher, Fully enclosed, single or tandem seating	Pusher, Not Fully enclosed, side-by-side seating	Pusher, Not Fully enclosed, single or tandem seating
5E	5F	5G	5H	5J

Powered Parachute

Square Wing			Elliptical Wing	
Land	Sea		Land	Sea
6K1	6K2		6L1	6L2

Weight-shift Controlled

Tricycle gear	Float equipped	Ski equipped
7A1	7C2	7D1

Glider

Non-powered		Self-launch
1M		1N

Light-than-air (Balloon)

Gas		With airborne heater
2P		2R

Light-than-air (Airship)

Gas		With airborne heater
3P		3R

Last Revised on 01/06/2005 by AFS-620

SAFETY INFORMATION TABLE (SIT)
LIGHT SPORT AIRCRAFT SETS OF AIRCRAFT CODES

		TYPE AIRCRAFT	TYPE AIRCRAFT	TYPE AIRCRAFT	TYPE AIRCRAFT	TYPE AIRCRAFT	TYPE AIRCRAFT	TYPE AIRCRAFT
		1 = Glider	2 = Lighter-Than - Air (Balloon)	3 = Lighter-Than - Air (Airship)	4 = Airplane	5 = Rotorcraft (Gyroplane)	6 = Powered-Parachute	7 = Weight-Shift-Control
AIRCRAFT SUB-CAT	A = Tricycle Gear				4A11 4A12			7A1
AIRCRAFT SUB-CAT	B = Tail Wheel				4B11 4B12			
AIRCRAFT SUB-CAT	C = Float Equipped				4C21 4C22			7C2
AIRCRAFT SUB-CAT	D = Ski Equipped				4D11 4D12			7D1
AIRCRAFT SUB-CAT	E = Tractor					5E		
AIRCRAFT SUB-CAT	F = Pusher, Fully Enclosed, Side-By-Side Seating (SBSS)					5F		
AIRCRAFT SUB-CAT	G = Pusher, Fully Enclosed, Single or Tandem Seating (SOTS)					5G		
AIRCRAFT SUB-CAT	H = Pusher, Not Fully Enclosed, Side-By-Side Seating (SBSS)					5H		
AIRCRAFT SUB-CAT	J= Pusher, Not Fully Enclosed, Single or Tandem Seating (SOTS)					5J		
AIRCRAFT SUB-CAT	K = Square Wing						6K1 6K2	
AIRCRAFT SUB-CAT	L = Elliptical Wing						6L1 6L2	
AIRCRAFT SUB-CAT	M = Non-powered	1M						
AIRCRAFT SUB-CAT	N = Self-Launch	1N						
AIRCRAFT SUB-CAT	P= Gas		2P	3P				
AIRCRAFT SUB-CAT	R= With Airborne Heater		2R	3R				

NOTE: THE ABOVE SET OF AIRCRAFT CODES ARE LISTED IN THE FOLLOWING SEQUENTIAL ORDER:

1. **Type Aircraft**
2. **Aircraft Sub-Category**
3. **Aircraft Classification**
4. **Aircraft Speed Limitation**

SAFETY INFORMATION TABLE (SIT)
SETS OF AIRCRAFT AND DESIGN CHARACTERISTIC CODES

SETS OF AIRCRAFT CODES (FOR LIGHT SPORT AIRCRAFT) Example: >>> Airplane, = 4A12

Type Aircraft

1 = Glider	4 = Airplane	7 = Weight-Shift Control
2 = Lighter Than Air (Balloon)	5 = Rotorcraft (Gyroplane)	
3 = Lighter Than Air (Airship)	6 = Powered-Parachute	*Example:* >>> **4** = Airplane

Aircraft Sub-Category

A = Tricycle Gear	F = Pusher, Fully Enclosed, Side-By-Side Seating (SBSS)	K = Square Wing
B = Tail wheel	G = Pusher, Fully Enclosed, Single-Or-Tandem-Seating (SOTS)	L = Elliptical Wing
C = Float Equipped	H = Pusher, Not Fully Enclosed, (SBSS)	M = Non-powered
D = Ski Equipped	J = Pusher, Not Fully Enclosed, (SOTS)	N = Self-launch
E = Tractor	K = Square Wing	P = Gas
		Example: >>> **A** = Tricycle Gear

Aircraft Classification

1 = Land	2 = Sea	*Example:* >>> **1** = Land

Aircraft Speed Limitation

1 = VH is < or = 87 KCAS	2 = VH is > 87 KCAS	*Example:* >>> **2** = VH is > 87 KCAS
[VH = Maximum level-flight speed with continuous power]		[KCAS = Knots Calibrated Air Speed]

AIRCRAFT DESIGN CHARACTERISTIC CODES   Example: >>> Cessna, 150A = 1H71

Weight Class

1 = 12,500 lbs or less	3 = 1,320 lbs or less	*Example:* >>> **1** = 12,500 lbs. or less
2 = Over 12,500 lbs	4 = 900 lbs or less	

Wing Design

B = Lighter Than Air - Blimp/Dirigible/Balloon	K = Kite/Sail wing	P = Parachute – Low Performance
D = Delta Wing/Swing Wing	O = Gyroplane – Open	R = Parachute – High Performance
F = Flexible or Semi Rigid	C = Gyroplane – Enclosed	Q = Multi-Wing - Biplane/Triplane/Etc.
H = Monoplane - High Wing/Parasol Wing	L = Monoplane - Low wing	X = Other
G = Rotary Wing – Helicopter/Gyrocopter	M = Monoplane - Mid Wing	
E = Gyroplane – Partially Enclosed		*Example:* >>> **H** = Monoplane – High Wing

7 = Powered	8 = Optional	0 = Non-Powered	*Example:* >>> **7** = Powered

* = Number of Engines	*Example:* >>> **1** = Number of engines

Landing Gear Design   Example: >>> Non-Retractable Tricycle Gear = NT

NT = Non-Retractable Tricycle-Gear	RT = Retractable Tricycle-Gear	SK = Ski Installation
NC = Non-Retractable Conventional	RP = Repositionable	X = Other
RC = Retractable Conventional	FL = Float Installation	*Example:* >>> **NT** = Non-Retract Tri Gear

ENGINE (ENG) DESIGN CHARACTER CODES ENGINES   Example: >>> *Continental, O-200-A =* 3O

Engine Horsepower Rating   *Example:* >>> Under 750 hp. (shp) = 3

3 = Under 750 HP (SHP) (ESHP)	4 = 750 HP (SHP) (ESHP) & over *Example:* >>> **3** = Under 750 hp. (shp)
5 = 120 HP (SHP) (ESHP) or less	[Equivalent Shaft Horsepower (ESHP) = Jet Thrust (lbs) + Shaft (SHP) divided by 2.5]

Engine Design

A = Diesel - Vee (Compression Ignition)	R = Reciprocating - Radial	W = Rotary
B = Diesel - Inline	F = Turbofan/Turbojet Bypass	X = Other
C = Diesel - Opposed	J = Turbojet	Y = Rocket
V = Reciprocating – Vee	T = Turboprop	Z = Pure Jet (Pulse/Ram)
I = Reciprocating - Inline	U = Turboshaft	
O = Reciprocating - Opposed		*Example:* >>> **O** = Reciprocating – Opposed

PROPELLER (PROP) DESIGN CHARACTER CODES   Example: >>> *McCauley 1A100MCM =* 5N

Propeller Horsepower Rating

5 = Under 750 hp (SHP) Absorption	6 = 750 HP (SHP) & over Absorption	*Example:* >>> **5** = Under 750 hp (SHP)
7 = Under 120 hp (SHP) Absorption		

Propeller Design

C = Controllable Pitch N = Non-Controllable (Fixed/Grd Adj.)	X = Other	*Example:* >>> **N** = Non-controllable