

FAA Part 107 Cheat Sheet

→ Part 107 Coach

Every number you need for the Remote Pilot knowledge test

OPERATING LIMITS

Max altitude	400 ft AGL (or 400 ft above a structure within 400 ft of it)
Max groundspeed	87 kt (100 mph)
Visibility	3 SM from control station
Cloud clearance	500 ft below, 2,000 ft horizontal
Aircraft weight	< 55 lb including payload
Night & twilight	Anti-collision light visible 3 SM
Right-of-way	Yield to all manned aircraft

AIRSPACE

Class B	Solid blue
Class C	Solid magenta
Class D	Dashed blue · [34] = ceiling 3,400 MSL
Class E surface	Dashed magenta
Class E @ 700 AGL	Magenta vignette
Class E @ 1,200 AGL	Blue vignette
ATC authorization	B, C, D, E-surface → LAANC/DroneZone
Obstacle 1549 (349)	Top MSL (height AGL)
MTR 4 digits	At/below 1,500 ft AGL

RULES & PAPERWORK

Accident report	10 days: serious injury, LOC, > \$500 damage
Address change	Notify FAA within 30 days
Recurrent training	Every 24 calendar months
Registration	Every sUAS under Part 107; valid 3 years
Alcohol	8 hours; BAC < 0.04
Minimum age	16
Show certificate to	FAA, NTSB, TSA, law enforcement

WEATHER

Standard atmosphere	15°C, 29.92 inHg
Lapse rate	2°C / 1,000 ft
Ceiling	Lowest BKN, OVC, or VV
METAR wind	Degrees TRUE, from
Thunderstorm needs	Moisture, instability, lift
Stages	Cumulus ↑ · Mature ↑↓ rain · Dissipating ↓
Density altitude ↑	Hot, high, humid → less performance

PERFORMANCE

Load factor 30°	1.15 G
Load factor 45°	1.41 G
Load factor 60°	2.0 G
Stall speed	Rises with load factor

DECISION-MAKING

IMSAFE	Illness, Medication, Stress, Alcohol, Fatigue, Emotion
PAVE	Pilot, Aircraft, enVironment, External pressures
3P	Perceive, Process, Perform
Antiauthority	Follow the rules
Impulsivity	Not so fast — think first
Invulnerability	It could happen to me
Macho	Taking chances is foolish
Resignation	I'm not helpless