

Review of Part 107 Study Guide

Applicable Regulations

- 14 CFR Part 107

2 Airspace Classification, Operation Requirement, and Flight Restrictions (pg. 5)

- Controlled airspace
 - Class A, B, C, D, or E
- Uncontrolled airspace, NOT UNREGULATED
 - Class G
- Special Use Airspace
 - Prohibited areas
 - Restricted areas
 - Warning areas
 - Military operating areas (MOAs)
 - Alert areas
 - Controlled firing areas (CFAs)

Airspace Classification, Operation Requirement, and Flight Restrictions (pg. 9)

- Other Airspace Areas

- Local airport advisory (LAA)
- Military training routs (MTR)
- Temporary flight restriction (TFR)
- Parachute jump aircraft operations
- Publish VFR routs
- Terminal radar service area (TRSA)
- National Security Areas (NSA)
- Air Defense Identification Zones (ADIZ) / Defense VFR (DVFR)
- Flight Restricted Zones (FRZ) in vicinity of Capitol and White House

3a Weather Sources (page 15)

- Surface Aviation weather Observations
- Aviation Weather Reports
 - <http://www.aviationweather.gov/>
 - Aviation Routine Weather Report (METAR)
- Aviation Forecasts
 - Terminal Aerodrome Forecast (TAF)
- Convective Significant Meteorological Information (WST)

3b Effects of Weather on Small Unmanned Aircraft Performance (pg. 21)

- Density Altitude
- Performance
- Measurement of Atmosphere Pressure
- Effect of Obstruction on Wind
- Low-Level Wind Shear
- Atmospheric Stability
- Temperature/Dew Point Relationship
- Clouds
- Fronts
- Mountain Flying
- Structural Icing
- Thunderstorm Life Cycle
- Ceiling
- Visibility

Airspace Classification, Operation Requirement, and Flight Restrictions (pg. 13)

- Notices to Airmen (NOTAM)
 - Websites
 - 1 800 WXBRIEF

4 Small Unmanned Aircraft Loading (pg. 29)

- Weight
- Stability
- Load Factor
- Weight and Balance

5 Emergency Procedures (pg. 35)

- Inflight Emergency
- Regulations
- Check List

6 Crew Resource Management (pg. 39)

- Visual Observes
- Chapter 10 Aeronautical Decision Making and Judgement

7 Radio Communication Procedure (pg. 39)

- Understanding Proper Radio Procedures
- Traffic Advisory Practices at Airports without Operating Control Towers

CHARACTER	MORSE CODE	TELEPHONY	PHONIC (PRONUNCIATION)
A	• —	Alpha	(AL-FAH)
B	— •••	Bravo	(BRAH-VOH)
C	— • — •	Charlie	(CHAR-LEE) or (SHAR-LEE)
D	— ••	Delta	(DELL-TAH)
E	•	Echo	(ECK-OH)
F	•• — •	Foxtrot	(FOKS-TROT)
G	— — •	Golf	(GOLF)
H	••••	Hotel	(HOH-TEL)
I	••	India	(IN-DEE-AH)
J	• — — —	Juliett	(JEW-LEE-ETT)
K	— • —	Kilo	(KEY-LOH)
L	• — ••	Lima	(LEE-MAH)
M	— —	Mike	(MIKE)
N	— •	November	(NO-VEH-BER)
O	— — —	Oscar	(OSS-CAH)
P	• — — •	Papa	(PAH-PAH)
Q	— — • —	Quebec	(KEH-BECK)
R	• — •	Romeo	(ROW-ME-OH)
S	•••	Sierra	(SEE-AIR-PAH)
T	—	Tango	(TANG-GO)
U	•• —	Uniform	(YOU-NEE-FORM) or (OO-NEE-FORM)
V	••• —	Victor	(VIK-TAH)
W	• — —	Whiskey	(WISS-KEY)
X	— •• —	Xray	(ECKS-RAY)
Y	— • — —	Yankee	(YANG-KEY)
Z	— — ••	Zulu	(ZOO-LOO)
1	• — — — —	One	(WUN)
2	•• — — —	Two	(TOO)
3	••• — —	Three	(TREE)
4	•••• —	Four	(FOW-ER)
5	•••••	Five	(FIFE)
6	— ••••	Six	(SIX)
7	— — •••	Seven	(SEV-EN)
8	— — — ••	Eight	(AIT)
9	— — — — •	Nine	(NIN-ER)
0	— — — — —	Zero	(ZEE-RO)

8 Determining the Performance of Small UA

pg. 43

- Effect of Temperature on Density
- Effect of Humidity (Moisture) on density

9 Physiological Factor Affection Pilot Performance (pg. 45)

- Physiological/Medical Factors that Affect Pilot Performance
 - Hyperventilation
 - Fatigue
 - Dehydration
 - Heatstroke
 - Drugs
 - Alcohol
- Vision and Flight
 - Scanning Techniques – Right to Left, Left to Right, Scan at Greatest Distance and Move Inward.

10 aeronautical Decision-Making and Judgment (pg. 51)

- History of ADM
- Risk Management
- Crew resource Management (CRM) and Single-Pilot Resource Management
- Hazard and Risk
- Human Factors
- The Decision Making Process
- Decision-Making in a Dynamic Environment
- Situational Awareness

11 Airport Operations (pg. 65)

- Sources for Airport Data Latitude and Longitude (Meridians and Parallels)

12 Maintenance and Preflight Inspection Procedures (pg. 71)

- Maintenances
 - Schedule
 - Recording
- Preflight Inspection