

SRM IN DRONE OPERATIONS

Workbook

Lesson 1.1 – What is SRM in Drone Operations?

Self-Reflection Exercise

Think about your last 3 drone flights:

- Did you feel completely in control at all times?
- Did anything unexpected happen?
- Did you delay any decisions?

Write down one situation where:

 You relied on instinct instead of a structured decision pro

Lesson 1.2 – The Illusion of “Simple Flying”

Self-Check

Have you ever:

- Continued flying when conditions changed?
- Ignored a warning because “it was probably fine”?
- Focused on getting the shot instead of managing the flight?

Write down one example.

Lesson 2.1 – What is Situational Awareness?

Self-Reflection

Think about a flight where:

- You noticed something but didn't act
- Or acted too late

Which level of SA broke down?

Lesson 3.1 – The Myth of Multitasking

Self-Reflection

Have you ever:

- Prioritised the shot over safety?
- Continued filming instead of reacting?

Write down one example.

Lesson 3.2 – Task Prioritisation Framework

Practical Exercise

During your next flight:

List:

- 3 Primary tasks

- 3 Secondary tasks

Ask:

 Did I prioritize correctly?

Lesson 4.1 – Introduction to TEM

Self-Assessment

Identify three threats you commonly encounter in your operating environment.

For each:

- How do you currently manage it?
- What could go wrong?

1. _____

2. _____

3. _____

Lesson 4.2 – Applying TEM in LOS Drone Operations

Practical Exercise

During your next operation:

Identify:

- One threat before take-off
- One threat during flight
- One potential error

Document your response here:

Lesson 4.3 – Undesired Aircraft States & Recovery

Self-Reflection

Have you ever:

- Continued flying despite increasing risk?
- Delayed a recovery decision?

Describe the outcome.

Lesson 5.1 – Structured Decision-Making

Practical Exercise

Think of a recent flight:

- What decision did you make?
- Did you follow a structured process?

Lesson 5.3 – Decision Traps & Bias

Self-Assessment

Identify one bias you have experienced during drone operations.

How did it influence your decision?

Lesson 6.2 – Managing the First 10 Seconds

Practical Exercise

Visualise a failure scenario.

Write down:

- Your first action
- Your second action
- Your decision

Lesson 6.3 – Training for Startle Resilience

Self-Reflection

Do you actively prepare for unexpected events before flight?

If not, what would you change?

[illegible]

Lesson 7.1 – Introduction to Human Factors in Drone Operations

Self-Assessment

Before your last flight, were you:

- Fatigued?
- Distracted?
- Under time pressure?

How might this have affected your decisions?

Lesson 7.3 – Managing Human Performance

Self-Reflection

Which IMSAFE factor is most likely to affect your operations?

What mitigation strategy can you apply?

IMSAFE Checklist

- Illness
- Medication
- Stress
- Alcohol
- Fatigue
- Eating / Emotion

Lesson 8.2 – The PAVE Risk Assessment Model

PAVE Components

Pilot

- Fitness, experience, workload

Aircraft (Drone)

- Battery status
- System functionality

Environment

- Weather
- Obstacles
- People

External Pressures

- Time constraints
- Client expectations



Practical Exercise

Before your next flight, complete a PAVE assessment.

Identify:

- One high-risk factor
- One mitigation strategy

Lesson 9.1 – Recognising Abnormal Situations

Self-Reflection

Have you ever ignored an early warning sign?

What was the outcome?

Lesson 9.3 – Contingency Planning

Practical Exercise

Identify:

- One emergency scenario

- Your planned response

 Final Reflection Exercise

After completing this course:

Identify:

One behaviour you will change

One tool you will apply

One risk you will manage differently
