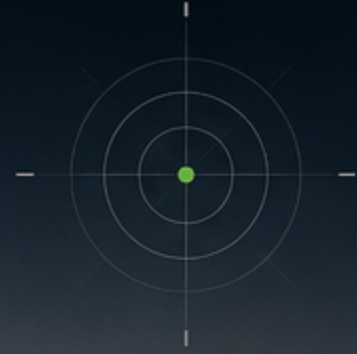


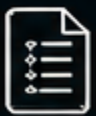


RAVEN SIM
TACTICAL SIMULATION PLATFORM



TACTICAL FPV OPERATOR TRAINING PROGRAM

14-DAY TRAINING PLAN



THEORY



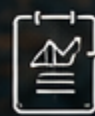
SIMULATION



TACTICAL



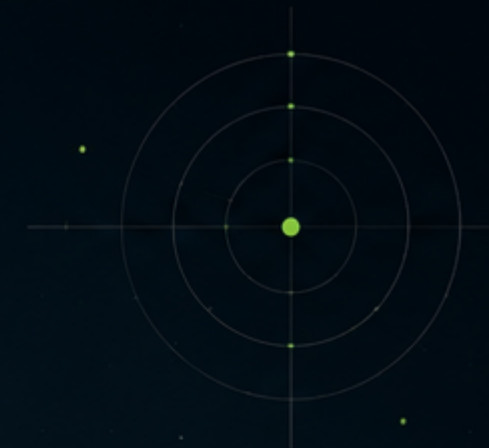
LIVE OPERATIONS



EVALUATION

TRAIN **SMART.** OPERATE **PRECISE.** WIN.





01 PROGRAM OVERVIEW

A comprehensive 14-day training program designed to develop professional FPV drone operators for tactical missions.



Theoretical Knowledge



Simulation Training



Tactical Rehearsal



Live Flight Operations



Operational Evaluation



02 TRAINING OBJECTIVES

By the end of the course, trainees will be able to:



Understand FPV drone systems and components



Operate tactical FPV platforms safely



Execute simulated tactical missions



Navigate GPS-denied and EW environments



Perform mission planning and target engagement



Conduct live tactical drone operations



Analyze mission performance using AAR



KNOWLEDGE

Build strong theoretical foundations



PRACTICE

Improve skills through simulation



EXECUTE

Apply skills in real-world operations



EVALUATE

Analyze performance and improve

03 14-DAY TRAINING ROADMAP

A structured program combining theory, simulation and live training to build highly skilled tactical FPV drone operators.



WEEK 1

THEORY & SIMULATION FOUNDATION (DAYS 1 - 5)

WEEK 2

ADVANCED SIMULATION (DAYS 6 - 10)

LIVE OPERATIONS & EVALUATION (DAYS 11 - 14)

1

2

3

4

5

6

7

8

9

10

11

12

13

14



DAY 1

Introduction to
Tactical FPV
Systems

THEORY



DAY 2

Drone
Components &
Technical
Systems

THEORY



DAY 3

Flight Theory &
Tactical
Awareness

THEORY



DAY 4

Mission
Planning
Fundamentals

THEORY



DAY 5

Simulator
Basic Flight
Training

SIMULATION



DAY 6

Simulator
Free Flight &
Navigation

SIMULATION



DAY 7

Simulator
Precision &
Path Training

SIMULATION



DAY 8

Competitive &
Reaction
Training

SIMULATION



DAY 9

EW &
Emergency
Environment
Training

SIMULATION



DAY 10

Tactical
Combat
Simulation

SIMULATION



DAY 11

Live Flight
Introduction

LIVE TRAINING



DAY 12

Live Tactical
Maneuver
Training

LIVE TRAINING



DAY 13

Live Tactical
Mission
Execution

LIVE TRAINING



DAY 14

Final Mission
Exercise &
Certification

EVALUATION

● THEORY ● SIMULATION ● LIVE TRAINING ● EVALUATION



PROGRESSIVE LEARNING

From foundational knowledge
to real-world mission execution.



SKILL DEVELOPMENT

Build, practice and master
critical operator skills.



REALISTIC ENVIRONMENTS

Simulate modern battlefields
and dynamic threats.



MISSION FOCUSED

Training designed around
real tactical scenarios.



EVALUATION DRIVEN

Continuous assessment and
After Action Review (AAR).



04 DETAILED 14-DAY CURRICULUM

A day-by-day breakdown of the 14-day Tactical FPV Operator Training Program.



-  THEORY
-  SIMULATION
-  LIVE TRAINING
-  EVALUATION

 DAYS 1-4 THEORY & FUNDAMENTALS		 DAYS 5-7 BASIC SIMULATION		 DAYS 8-10 ADVANCED SIMULATION		 DAYS 11-13 LIVE FLIGHT TRAINING		 DAY 14 EVALUATION	
DAY 1  Introduction to Tactical FPV Systems • FPV drone fundamentals • Tactical drone ecosystem • Safety procedures		DAY 5  SIM-01 to SIM-03 Basic Flight Training • Basic control • Movement training • Stabilization practice		DAY 8  SIM-08 to SIM-09 Competitive & Reaction • AI competitive mode • Multiplayer training • Reaction speed drills		DAY 11  LIVE-01 to LIVE-02 Live Flight Introduction • System familiarization • Basic flight maneuvers • Flight safety & recovery		Final Mission Exercise & Certification • Mission briefing • Planning & preparation • Live mission execution • Target engagement • Debriefing & AAR  CERTIFICATION AWARDED	
DAY 2  Drone Components & Technical Systems • Platform components • Tactical payloads • Communication systems		DAY 6  SIM-04 to SIM-05 Free Flight & Navigation • Free flight • Terrain following • Obstacle awareness		DAY 9  SIM-10 to SIM-11 EW & Emergency Training • EW environment • GPS-denied navigation • Emergency scenarios		DAY 12  LIVE-03 to LIVE-04 Tactical Maneuver Training • Obstacle course • Low altitude operations • Terrain masking			
DAY 3  Flight Theory & Tactical Awareness • Flight dynamics • Environmental effects • Tactical awareness		 SIM-06 to SIM-07 Precision & Path Training • Gate navigation • Corridor training • Tactical path execution		DAY 10  SIM-12 to SIM-13 Tactical Combat Simulation • Tactical assault scenarios • Moving targets • Mission rehearsal		DAY 13  LIVE-05 to LIVE-06 Tactical Mission Execution • Target engagement • Threat avoidance • Multi-operator coordination			
DAY 4  Mission Planning Fundamentals • Route planning • Threat analysis • Mission preparation									

CURRICULUM HIGHLIGHTS



PROGRESSIVE LEARNING
 Structured progression from fundamentals to advanced tactical operations.



SKILL DEVELOPMENT
 Build critical technical, tactical and operational skills through hands-on training.



REALISTIC ENVIRONMENTS
 Simulated and real-world scenarios replicating modern battlefield conditions.



MISSION FOCUSED
 Training centered on mission objectives and real tactical applications.



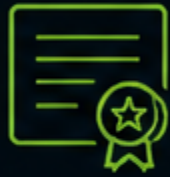
EVALUATION DRIVEN
 Continuous assessment and AAR to ensure readiness and improvement.



05 | TRAINING DELIVERABLES

Upon successful completion of the 14-day Tactical FPV Operator Training Program, each trainee will receive the following deliverables.

01



TACTICAL FPV OPERATOR CERTIFICATE

Official certificate recognizing successful completion of the 14-day Tactical FPV Operator Training Program.



02



MISSION PERFORMANCE EVALUATION

Comprehensive evaluation of the trainee's performance across all mission phases and key competencies.

RAVEN SIM MISSION PERFORMANCE EVALUATION		
Trainee Name:	John D. Operator	1. Evaluation Criteria
Training Period:	14-Day Program	
Date:	24 May 2024	
EVALUATION CRITERIA		SCORE
Flight Control & Stability		90%
Mission Planning		85%
Navigation & Awareness		88%
Target Engagement		92%
Threat Avoidance		85%
Communication & Coordination		90%
Safety Procedures		95%
OVERALL SCORE		89%

03



FLIGHT ANALYSIS REPORT

Detailed flight data analysis including telemetry, maneuvers, trajectories, and mission performance insights.



04



AFTER ACTION REVIEW (AAR)

Structured debrief including key observations, lessons learned, strengths, and areas for improvement.

RAVEN SIM AFTER ACTION REVIEW (AAR)	
MISSION SUMMARY	
Mission: Live-65 Tactical Engagement	
Objective: Engage target and exfiltrate	
Result: Mission Successful	
KEY OBSERVATIONS	
• Good route discipline and terrain usage.	
• Effective target approach and timing.	
• Minor exposure during final approach.	
STRENGTHS	
• Excellent low altitude control	
• Good situational awareness	
• Effective communication	
AREAS FOR IMPROVEMENT	
• Reduce IFF exposure time	
• Improve speed management	
• Better use of cover in final phase	
RECOMMENDATIONS	
• Continue advanced simulation training	
• Focus on EW environment adaptation	

05



TACTICAL MISSION ASSESSMENT

Final assessment of tactical decision-making, mission execution, and operational awareness.



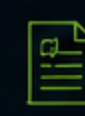
These deliverables validate the trainee's skills, track performance development, and serve as an official record of training completion and operational readiness.



PROFESSIONAL
RECOGNITION



PERFORMANCE
TRACKING



CAREER
DEVELOPMENT



OPERATIONAL
READINESS

06 | TRAINING HIGHLIGHTS

Key features and benefits of the 14-Day Tactical FPV Operator Training Program.



01 COMPREHENSIVE CURRICULUM



A structured 14-day program covering **theory, simulation, and live operations** to build complete FPV operator competency.

02 ADVANCED SIMULATION TRAINING



High-fidelity **simulator** modules for realistic flight practice, tactical scenarios, competitive modes, and emergency training.

03 REALISTIC TACTICAL SCENARIOS



Train in **realistic mission scenarios** including reconnaissance, assault, convoy attack, and target engagement in diverse environments.

04 EW & GPS-DENIED TRAINING



Specialized training in **electronic warfare environments**, communication jamming, and GPS-denied navigation.

05 LIVE FLIGHT EXPERIENCE



Hands-on **live flight sessions** to bridge simulation skills with real-world operations and build mission confidence.

06 SKILL PROGRESSION & EVALUATION



Continuous assessment and feedback throughout the program to ensure **measurable skill development** and operational readiness.

07 MISSION PLANNING MASTERY



Learn professional **mission planning techniques** including route design, threat analysis, payload selection, and contingency planning.

08 TEAMWORK & COORDINATION



Develop **communication, coordination, and multi-operator skills** essential for successful tactical mission execution.

09 DATA-DRIVEN IMPROVEMENT



Detailed **flight data analysis** and After Action Review (AAR) to identify strengths, improve weaknesses, and enhance performance.

10 CERTIFICATION & RECOGNITION



Earn an **official Tactical FPV Operator Certificate** and join an **elite network** of skilled and mission-ready professionals.

 **MISSION READY**
Prepare for real-world operational challenges.

 **OPERATOR EXCELLENCE**
Build precision, confidence, and tactical mindset.

 **CONTINUOUS GROWTH**
Pathway to advanced courses and instructor programs.

 **BUILT BY EXPERTS**
Developed by tactical operators and drone specialists.

 **TRUSTED PLATFORM**
RAVEN SIM – **Train smart, operate precise, win.**

LIVE TRAINING RANGE

TACTICAL FPV TRAINING ENVIRONMENT

RANGE INFO

	RANGE TYPE	BASIC FLIGHT TRAINING
	AREA SIZE	120m x 80m
	SURFACE	GRASS / DIRT
	ELEVATION	620 m
	WIND CONDITION	5 - 10 km/h

LEGEND

-  OBSTACLE
-  FLIGHT PATH
-  TAKEOFF / LANDING ZONE
-  INSTRUCTOR AREA
-  PILOT WAITING AREA
-  EMERGENCY STOP ZONE
-  MAINTENANCE TENT
-  BRIEFING AREA



TRAINING OBJECTIVE

Build foundational flight skills by completing the course with precision and control.

KEY FOCUS AREAS

-  Basic Control
-  Orientation
-  Stabilization
-  Smooth Transitions
-  Precision Hover

SAFETY REMINDERS

- Maintain visual line of sight at all times.
- Follow the designated flight path.
- Obey instructor commands.
- Safety first, mission always.

WEATHER

CONDITION	CLEAR
TEMPERATURE	24°C
WIND	5 - 10 km/h
VISIBILITY	> 10 km

07

EVALUATION CRITERIA

Trainee performance is evaluated across multiple dimensions to ensure the development of well-rounded, mission-ready FPV drone operators.



FAIR & TRANSPARENT
Consistent and objective evaluation standards



PERFORMANCE DRIVEN
Focus on measurable skills and mission outcomes



CONTINUOUS IMPROVEMENT
Feedback-driven growth throughout the program



MISSION READY
Ensure operators are ready for real-world operations

CRITERIA		DESCRIPTION	WEIGHT	EVALUATION METHODS	MEASURES
01	FLIGHT CONTROL & STABILITY	Ability to maintain precise control, stable flight, and smooth handling in various conditions.	20%	• Simulator Exercises • Live Flight Assessment • Scenario-Based Tasks	• Precision • Smoothness • Consistency
02	MISSION PLANNING & EXECUTION	Effectiveness in mission planning, tactical decision-making, and objective execution.	20%	• Mission Planning Review • Scenario Performance • After Action Review (AAR)	• Planning Quality • Decision Making • Objective Achievement
03	SITUATIONAL AWARENESS & JUDGMENT	Understanding of environment, threats, and ability to make sound tactical judgments.	15%	• Scenario Observation • AAR Feedback • Instructor Assessment	• Threat Recognition • Adaptability • Tactical Judgment
04	TECHNICAL PROFICIENCY & SYSTEM KNOWLEDGE	Knowledge of drone systems, troubleshooting, and maintenance procedures.	15%	• Technical Quizzes • Practical Evaluations • Maintenance Tasks	• System Knowledge • Troubleshooting • Maintenance Skills
05	COMMUNICATION & TEAMWORK	Effective communication, coordination, and teamwork in multi-operator missions.	10%	• Team Exercises • Live Mission Observation • Peer & Instructor Feedback	• Communication Clarity • Coordination • Team Contribution
06	SAFETY & PROCEDURES COMPLIANCE	Adherence to safety protocols, standard operating procedures, and risk management.	10%	• Safety Drills • SOP Compliance Checks • Instructor Evaluation	• Safety Awareness • SOP Adherence • Risk Management
07	ADAPTABILITY & PROBLEM SOLVING	Ability to adapt to changing conditions and solve problems effectively under pressure.	10%	• Dynamic Scenarios • Problem-Solving Tasks • Instructor Assessment	• Flexibility • Problem Solving • Stress Management
TOTAL WEIGHT			100%		

GRADING SCALE

A	EXCELLENT	90 - 100%	
B	VERY GOOD	80 - 89%	
C	GOOD	70 - 79%	
D	SATISFACTORY	60 - 69%	
E	NEEDS IMPROVEMENT	< 60%	

EVALUATION PROCESS

- 1 **ASSESS**
Performance is assessed continuously throughout the 14-day program.
- 2 **REVIEW**
Instructors review performance data and provide structured feedback.
- 3 **FEEDBACK**
Trainees receive feedback through daily briefs and After Action Reviews (AAR).
- 4 **CERTIFY**
Successful trainees receive the Tactical FPV Operator Certificate.



KEY NOTES



Minimum overall score of 70% is required to successfully complete the program.



Trainees not meeting the standard will receive additional training and re-evaluation.



Excellence in all criteria ensures mission readiness and operational confidence.



Evaluation standards are aligned with real-world tactical FPV operation requirements.

