

# Day 1 Regulations, Safety & Power Line Inspection Fundamentals

The first day establishes critical foundations for safe and compliant power line inspection operations. Participants receive comprehensive training on Transport Canada rules, regulations, and safety requirements through an interactive slideshow presentation. A live drone display showcases the latest inspection-grade equipment featuring thermal imaging, zoom cameras, and specialized sensors designed specifically for utility infrastructure assessment.



## Airspace & Regulations

Master airspace regulations, procedures for unlocking restricted areas, and identifying hazards and no-fly zones relevant to utility operations.



## Infrastructure Knowledge

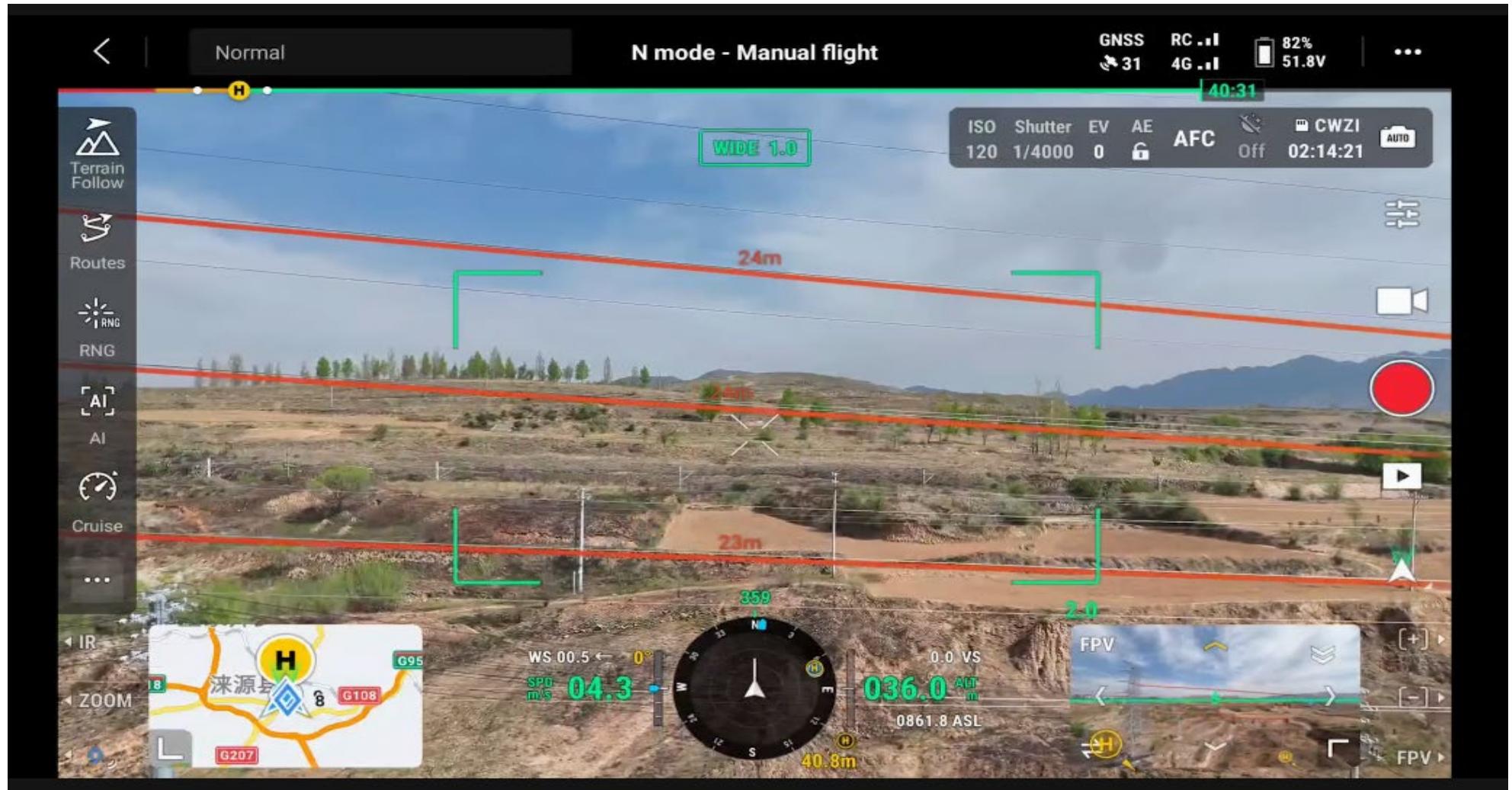
Learn to identify insulators, conductors, transformers, and tower components while understanding safe operating distances from electrical infrastructure.



## Risk Assessment

Develop expertise in pre-flight safety protocols, common defects identification, and hazard recognition specific to power line work.

The day concludes with a comprehensive drone demonstration explaining controls and capabilities, supplemented by example test questions and training videos to prepare participants for certification.



# Day 2 Exam Preparation, Certification & Advanced Procedures

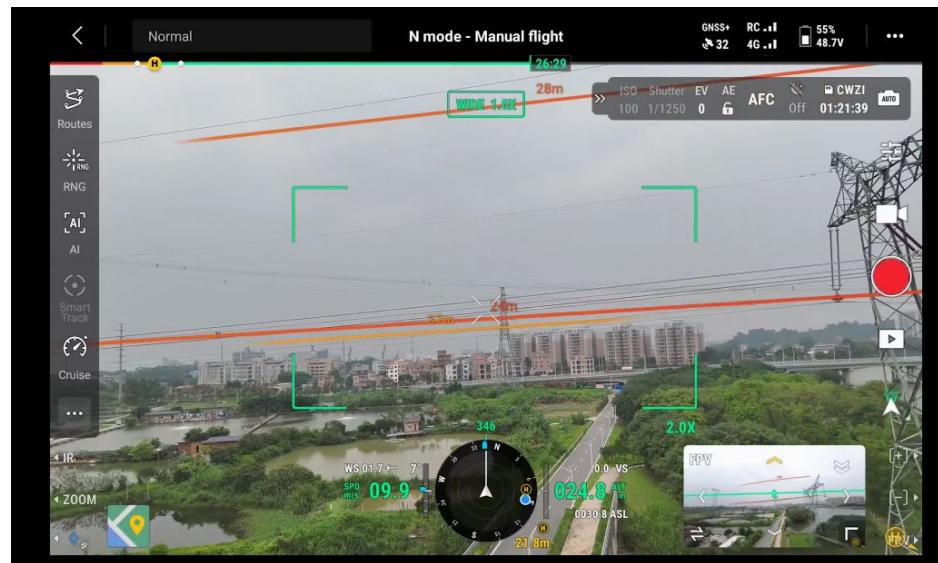
Day two focuses on certification readiness and practical skill development. The comprehensive slideshow presentation continues with real-world scenarios and situations commonly encountered during power line inspections, covering required procedures and emergency protocols that ensure safe operations in challenging utility environments.

## Hands-On Orientation

Each participant receives their own drone for individualized practice with basic controls, setup procedures, and pre-flight checklists. This personalized approach ensures every trainee develops confidence and competency before certification.

## Flight Planning Workshop

Learn to properly prepare and document every flight using the provided site survey template, establishing professional standards for inspection operations.



01

### Exam Preparation

Final review and study strategies

02

### Written Certification

Transport Canada Advanced Drone Pilot Exam - multiple choice, 80% pass mark required

03

### Flight Review

30-minute on-site practical assessment for successful candidates

04

### License Issued

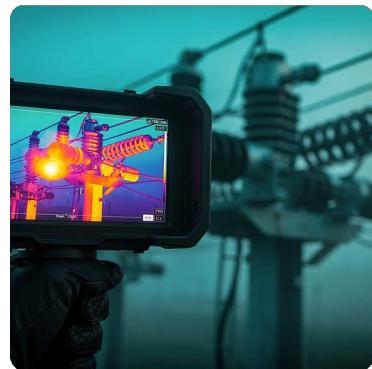
Immediate entry into Transport Canada portal and license emailed upon passing



The exam can be retaken every 24 hours if needed, ensuring all participants have the opportunity to achieve certification.

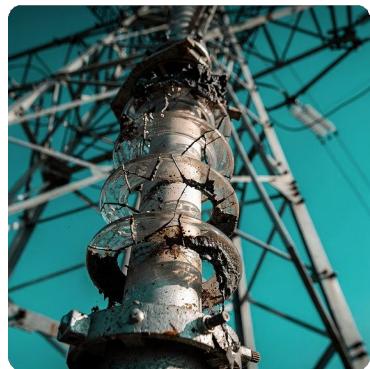
# Day 3 Hands-On Power Line Inspection Training

The final day delivers intensive field training at a dedicated power line training site. Participants apply their knowledge through supervised hands-on flight practice, beginning with pre-flight inspections and safety briefings specific to utility environments. Under expert supervision, trainees practice controlled approaches to power lines and infrastructure while maintaining safe distances and proper positioning.



## Thermal Imaging

Master hotspot detection techniques using advanced thermal sensors to identify electrical anomalies.



## Defect Documentation

Learn to capture photo and video evidence of damaged insulators, corrosion, and hardware defects.



## Vegetation Assessment

Identify and document vegetation encroachment that poses risks to power infrastructure.

## Advanced Inspection Techniques

Participants progress to sophisticated inspection procedures including close-range visual inspection, corona discharge detection, and proper camera operation for detailed infrastructure assessment. Practical exercises focus on identifying common power line issues while developing proficiency in data collection and reporting best practices.

### Emergency Protocols

Master lost link procedures and emergency response protocols specific to utility inspection operations.

### Final Assessment

Comprehensive hands-on evaluation with personalized feedback to ensure operational readiness.

### Course Completion

Receive official certificates recognizing your advanced power line inspection qualifications.