

DRONE / UAV / RPAS SAFETY BULLETIN

WHAT YOU SHOULD KNOW BEFORE YOU HIRE A DRONE TEAM

QUICK CHECKLIST

- ✓ Ensure that a valid RPAS Pilot's License issued by Transport Canada is held by the pilot. Get a copy!
- ✓ Ensure you have a highly experienced drone team in place. Commercial operations usually require a minimum of TWO on the flight team.
- ✓ Get a copy of the operator's proof of insurance specific to drones. \$5M CGL is usually required.
- ✓ Obtain copies of any other required permits (Film, City etc.)
- ✓ Is there a flight plan for the mission? Are all key production members familiar with this plan?
- ✓ Ensure that your pilot does a safety briefing with production staff prior to any flights.



TRANSPORT CANADA REGULATIONS & REQUIREMENTS - THE BASICS

- ✦ Drones are now called RPAS (remotely piloted aircraft systems).
- ✦ Drones must have a secure perimeter with a minimum of 16' - 100' horizontal distance to any public at all times (actual separation varies based on the drone and mission specifics).
- ✦ All pilots require a Beginner or Advanced RPAS (drone) license.
- ✦ All drones over 250G must be registered with Transport Canada.
- ✦ Only SAFE Certified drones can be used in CZs (near airports).
- ✦ Drones can NOT fly over uncontrolled public areas.
- ✦ Drones must operate below 400' unless they are within 200' horizontal separation from a building or structure higher than 400', in which case they can fly 100' higher than that building or structure.
- ✦ Commercial drone teams can operate near airports but additional safety procedures will be required.
- ✦ A carefully controlled safety perimeter must be established for the area of operations. Only those with approved clearance will be allowed inside that perimeter. Paid Duty Officers (PDOs), private security and production staff may be required to create this area.
- ✦ Some form of map/drawing should always be made available, identifying the flight path, take-off and landing zones, obstacles, and any other hazards.
- ✦ The Pilot in Command (PIC) has the final say with regard to flight operations and drone safety.
- ✦ PPE (personal protective equipment) will be used as required.

Still have questions? Call us anytime for more information.

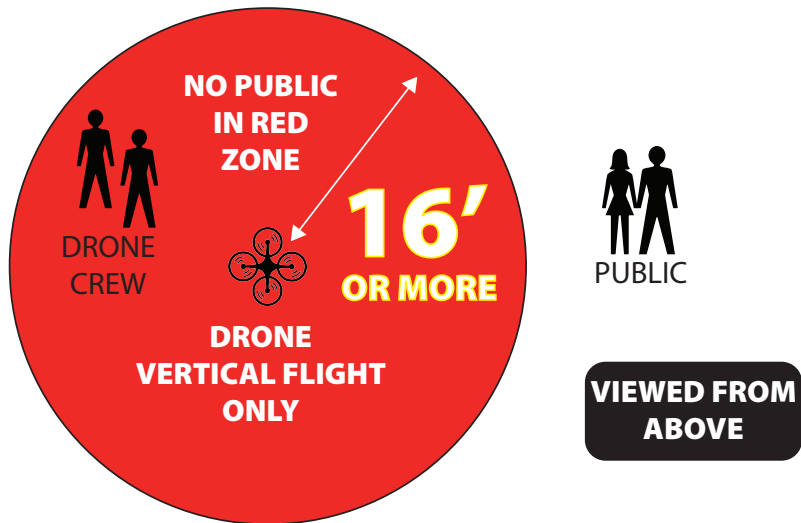
✓ Is there a NAV Canada Approval in place?	✓ Was a NOTAM filed?	✓ Was the Area Shift Manager contacted on the day of the op?	✓ Were Local Airports Contacted?
✓ Is there permission from the property owner of the launch site?			

DRONE PERIMETER REQUIREMENTS

WHAT IS THE REQUIRED SEPARATION TO THE PUBLIC?

One of the most commonly misunderstood concepts regarding the safe and legal use of drones for commercial applications is the required horizontal separation to the public. A minimum secure perimeter of 16'/5m (often much more) is required around the drone horizontally during ALL aspects of the drone mission (take off, flight & landing).

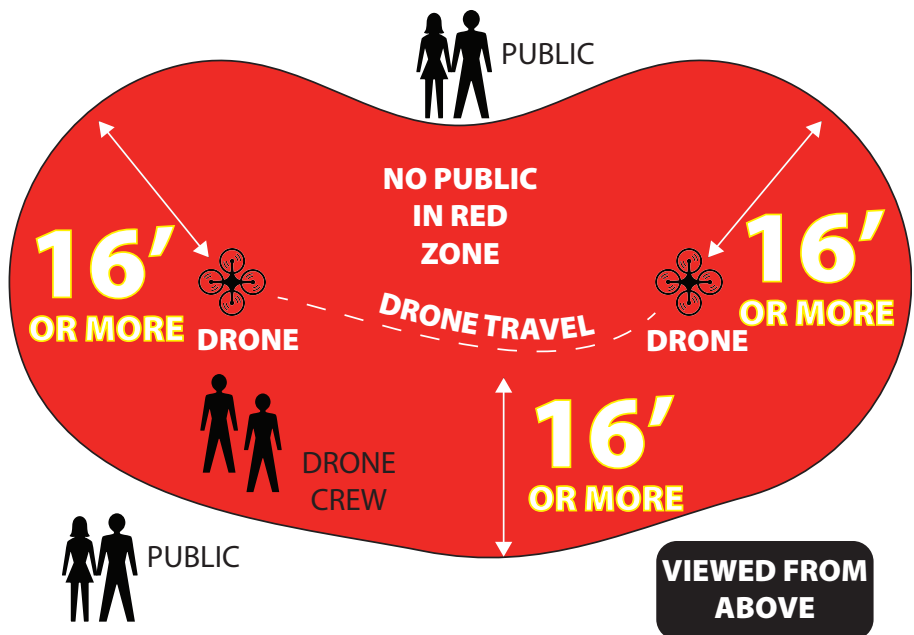
SCENARIO #1 - SECURITY PERIMETER - DRONE RISES STRAIGHT UP ONLY



Scenario #1 (top right) depicts a simple vertical flight.

Scenario #2 (bottom right) shows the more common travelling flight path.

SCENARIO #2 - SECURITY PERIMETER - DRONE IN HORIZONTAL FLIGHT



The perspective in both diagrams is looking down from above. Note that in each example a distance of 16'/5m (or more) must be maintained from the public and uncontrolled areas at all times. It makes no difference how high the drone is – the horizontal separation must be maintained in order to remain compliant.

FLY SAFE EVERYONE!

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