



Subparts 0 – General Provisions

- Division II – General Operating and Flight Rules provide a baseline of operating rules for all three UAS categories.
 - Comply with manufacturers operating limitations
 - Only in Canadian Airspace
 - Yield right-of-way to manned aircraft
 - Visual Line-of-Sight
 - Minimum altitude – able to glide clear
 - Crew fit for flight
 - No living creatures on Unmanned Aircraft (UA)
 - Use of Portable Electronic Devices
 - No radio interference for UAS or for others (i.e pyro's)
 - No autonomous UAS
 - Can only use First Person View (FPV) if there is a Visual Observer
 - Hazardous payloads or lasers*
 - Can't operate from a moving vehicle, vessel or aircraft*
 - No Special Aviation Events*

* Means could be approved with an SFOC





Very Small UAS– Proposed Requirements

- Defined as a UAS 250g - 1 kg, with minimum distances to people and aerodromes..

Pilot



- Minimum Age of 14
- Successfully complete written knowledge exam (5 year renewal)
- Have liability insurance of at least \$100,000

Product



- Identification: Name, address and telephone number clearly visible on the UAS
- UAS is properly maintained to manufacturer's instructions

Operating Rules



- Must be fit to fly – not suffering from fatigue, under the influence of alcohol or drugs
- Stop operating if there is an accident, damage, injury, collision
- Do not operate in a reckless or negligent manner

Safe Distances



- Maximum Altitude of 300ft
- Max visual distance of 0.25nm
- No flights within 3nm of an aerodrome / 1nm of a heliport

- 100ft minimum (lateral/height) from people, vehicles and vessels
- No night operations



Very Small UAS – Subpart 1 Requirements

- In addition to Subpart 0, Subpart 1 contains additional requirements for Very Small UAS:
 - Only in Class G airspace
 - Max speed 25 knots
 - No flight over open air assembly of persons
 - Weather – clear of cloud and 2 statute miles vis

Very Small: Operating Environment



Class C, D, E or F

Allowed to operate in urban areas, but away from people and aerodromes



Limited UAS Operations – Proposed Requirements

- Defined as a UAS 1 kg – 25 kg, and at least 0.5nm from a built-up area, specified distance from aerodromes and not in controlled airspace.

Pilot



- Minimum Age of 16
- Successfully complete written knowledge exam (5 year renewal)
- Have liability insurance of at least \$100,000

Product



- Identification: Name, address and telephone number clearly visible on the UAS
- UAS is properly maintained to manufacturer's instructions
- Maintain technical records: air time of flight, maintenance actions, modifications, repairs, etc.

Operating Rules



(In addition to Very Small rules)

- Conduct a physical site survey prior to operations
- Procedures for system assembly, pre-flight checks and tests, take-off and landing
- Emergency procedures are in place: pilot, engine, structural, equipment, controls failures, fly-aways

Safe Distances



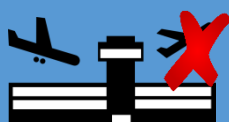
- Maximum Altitude of 300ft
- Visual distance of 0.50 NM
- No flights within 3nm of an aerodrome / 1nm of a heliport
- 250 ft. minimum (lateral/height) from people, vehicles and vessels
- 500 ft. from assemblies of people
- No night operations



Limited UAS Operations – Division II Requirements

- In addition to Subpart 0, Division II contains requirements specific to Limited Operations:
 - All crew must be trained proficient and competent
 - Only in Class G airspace
 - Above 300 feet if within 200 feet of building or structure – then max 100 feet above
 - Max speed 87 knots
 - No flight over open air assembly of persons
 - Weather – clear of cloud and 2 statute miles vis
 - Assess risk from lost link
 - Have/follow normal, emergency, lost link, fly-away procedures
 - No towing, formation, aerobatics*
 - UAS capability requirements (control, monitor, navigate UA, etc.)
 - Icing/De-icing limitations/requirements

Small Limited: Operating Environment



Class C, D, E or F

Allowed to operate in rural areas, but away from people cities, and aerodromes



Complex UAS Operations – Proposed Requirements

- Defined as a UAS 1 kg – 25 kg operating less than 0.5nm from, or within, built-up area, within controlled airspace and in proximity to aerodromes.

Pilot



- Minimum Age of 16
- Complete written knowledge exam
- Flight review by UAS pilot permit holder
- Obtain TC Pilot Permit
- Complete a recurrent training program in last 2 years
- Liability insurance of at least \$100,000

Product



- UAS registered with TC and marked with TC marks
- Complies with design standard w/ declaration of compliance and a statement of conformity
- UAS maintained to manufacturer instructions
- Position and anti-collision lights for night operations

Operating Rules



(In addition to General and Limited rules)

- Prior coordination with Air Traffic Control (ATC) for operations in controlled airspace.
- Maintain two-way communication with ATC.
- Comply with ATC instructions and clearances

Safe Distances



- Maximum Altitude of 400ft
- Maintain visual distance of 1 NM
- Flight permitted within: 3nm of an aerodrome/1nm of a heliport, subject to notifying ATC
- 100 ft. minimum (lateral/height) from people, vehicles and vessels
- 500 ft. from open-air assemblies of people (unless at a minimum height of 300ft)
- Night operations permitted with lighting



Complex UAS Operations – Division III Requirements

- In addition to Subpart 0 and Subpart 2 - Division II, Division III contains provisions specific to Complex Operations:
 - Class C, D, E, F and G airspace (includes military coordination requirement)
 - No night vision goggles (NVGs) unless using a visual observer (not using NVGs)
 - Flight over open air assembly of persons only above 300ft and UA can glide clear
 - Over or within built up area – must assess hazards and set up a take-off/landing area
 - Weather (Controlled airspace) – 500 vertically/1nm horizontally from cloud – 3 miles ground visibility

Complex Small: Operating Environment



Class C, D, E or F

Allowed to operate in rural areas, but away from people cities, and aerodromes