

## SECURITY PLAN

The area will be closed (further referred to “Lock-off “) to all general public within 150 feet of the UAV operations at all times. The 100 feet guideline provided by Transport Canada is not sufficient for most projects due to the nature of various locations so a minimum of 150 feet is used instead.

Ensure there is NO reasonable possibility of spectator incursion as we are operating.

### **On-Site Survey:** (Pre-Flight and Day-of)

Our security plan for the area of operation and security plan for the area to be over flown ensures no hazard is created to persons or property on the surface:

- We (Pilot and Observer) personally conduct an in-depth, Pre-Flight, On-site Survey well before our SFOC application and another personal survey on the 'Day of' our mission (Pre-Flight).
- We adhere to all accepted safe flight practices such as NO flying over people (other than crew and people engaged, well informed and consent gained about the flight) and a minimum of 150 feet away from the general public, structures, vehicles, vessels.

### **Physical and Remote Control Station security:**

- The aircraft and Remote Controller are either locked in our company vehicle or personally under direct control of the UAV Pilot only, to ensure no unlawful interference.
- The Remote Controller/Display Device is time-locked and password protected.

***Note:** flight within 150 feet horizontally of persons not involved in the operation of the UAV is not permitted. Flight within 100 feet horizontally of buildings and occupied vehicles or vessels will not be permitted without the owner's consent and lack of objection from the occupants.*

*There is nothing in this mission within 100 feet of roads or rights of way or within 100 feet of occupied vehicles (without the occupants' permission).*

### **Isolation of bystanders during Take-off/Launch, In-flight and Landing/Recovery:**

- We use a well marked Take-off/Launch, Landing/Recovery Pad (reflective bright tape), and we remove all non-crew (general public) from operating area.
- **Safety Cones:** Large bright orange (as used on traffic & construction sites) to designate Take-off/Launch & Landing/Recovery pad 'Staging Area'. A minimum of 150 feet is maintained for people not involved in the UAV operation/mission.
- **Clothing:** UAV Pilot & Crew all wear bright white tee-shirts with extra large graphic designations (front & back of shirts & caps) for clear visibility at a distance as shown below:



- During lock-off which takes place during the UAV operation (prior to take-off, airborne & landing) will be closed all general public access per the above enforcement.
- Any buildings or structures within the lock-off area will be notified and the site manager and/or security will assist on the lock-off of residents or employees.

#### **Permission to access private property:**

- Permission is been obtained before flight for the property over which flight of the UAV will take place from the landowner/curator in person during a visit to the site. A detailed **site survey** is conducted immediately after permission was given and will be repeated on the 'Day of' mission.

#### **Permission from Aerodrome Authorities:**

- **GDV-i** ensures all authorities are contacted and permission is obtained for every operation.

#### **Permission for land use from other jurisdictions:**

- **GDV-i** ensures all authorities are contacted and permission is obtained for every operation.

With the above info, all permission and permits are required / provided before entering the location for UAV operations where applicable: City (Film) permits, Ports Authority, Parks and Recreation, NavCanada, Transport Canada, NOTAM and Private and/or Commercial Property owners.

#### **General Public/Structures/Vehicles/Roadways:**

NO ACCESS - depending on location and speed we generally increase the lock-off area.

- 000-100ft elevation = 100ft secured area around UAV flight path during operations
- 100-200 elevation = 150ft secured area around UAV flight path during operations
- 200-300 elevation = 200ft secured area around UAV flight path during operations
- 300-400 elevation = 300ft secured area around UAV flight path during operations

**Non-Essential “Production Personnel”:** people involved in the overall production but not needed for the UAV operation.

- not involved = 100ft behind pilot / flight path
- standby personnel = 50ft behind pilot / flight path

**Essential “Production Personnel”:** people involved with the production during UAV operations

- standby personnel = 50ft behind pilot / flight path
- key personnel = 30ft behind pilot / flight path
- key subjects/crew = given additional safety meeting to be aware of UAV will be operating near or over them.

#### **ATTACHMENTS:**

- **GDV-i** prepares operation-specific **PDF's** for GPS Latitude/Longitude boundaries and Flight Areas.

#### **Hazards Notes:**

- **Area** - The operation is assessed for all hazards by the Pilot and Observer.
- **General Public** - The areas will be closed to the public during operations / vicinity of the flight path (100+feet from UAV).
- **Rouge/Failsafe** - Will set control boundaries to maximum 100 feet vertical for rouge prevention / failsafe & manual override will be tested prior to shooting.