



VUL-FRM-20-01-Aerial Survey Operations Checklist

Flight Checklist	
Date/Time	
Site	Vulcan Mine
Job ID	

Flight Plan Screen Shot
Screen Shot of Qbase Flight Plan, Take-Off and Landing Location



Flight Plan Screen Shot

Screen Shot Wind (Willy Weather) and Weather (BOM and site weather station) Information Below

--	--

Pre-Take Off

☐	Start flight records.
☐	Weather conditions; ground wind speed below 7m/s (25km/h), no visible signs of rain.
☐	Batteries charged (must be above 65%).
☐	Qbase and AP firmware up-to-date (ensure that you update Trinity F90+ firmware and RC controller at the same time).
☐	Check that the Vitronite base station is logging (green flashing light on SD card indicator light).
☐	Assemble Trinity F90+ and check for any signs of damage or damaged parts (check that the wing and tail wing ailerons are correctly coupled and move together).
☐	Ensure all parts are locked and secured.
☐	Clear SD card of photos from previous flight (ensure copy on server).
☐	Place Trinity F90+ on take-off mat or its carry-case FACING INTO THE WIND.



Pre-Take Off	
☐	Power up the UAV by installing battery. Listen for audio and look for green LED.
☐	Turn on RC unit.
☐	Check connection between Qbase (PC Toughbook) and the UAV.
☐	Check camera via Qbase or use the right-hand stick and toggle down to activate camera (take a couple of test shots).
☐	Load flight plan into Qbase.
☐	Are take-off position and transition, correct?
☐	Is the aircraft orientation in Qbase correct (and into the wind)?
☐	Is the transition cone and plane orientation, correct?
☐	Check the landing transition for obstacles.
☐	Take-off and landing transitions are into the wind?
☐	Check everything is green across the board in the monitor box in Qbase (along with the top of the screen).
☐	Upload flight plan.
☐	Select preflight on RC (make sure Trinity F90+ does not move during preflight check).
☐	Check air speed sensor for movement.
☐	Check ailerons and rear elevator for full movement via RC.
☐	Arm Trinity F90+ via remote controller.
☐	Listen for any odd sounding noises from motors.
☐	Takeoff.
☐	Monitor flight.
☐	After landing, wait until OK button disappears on RC to collect sufficient GPS data.

Post Flight	
☐	Disconnect battery.
☐	Disconnect wings, lights, elevator and tail section and place in the case.
☐	Remove SD card to collect raw photos for Trinity F90+.
☐	Connect magnet USB connector to aircraft body and laptop.
☐	Open Qbase → Tools (selection items along top of screen) → Access aircraft SD card → this will access on board storage and remove fly logs from aircraft with USB or laptop (look for the current date).
☐	Place aircraft body back in carry case.

Worker Sign-off			
I confirm that I have read and understood the Safe Work Procedure for VUL-SWP-002-Aerial Survey Operations and will follow the outlined procedure when undertaking this task. I confirm that I have placed a scanned or completed copy into the relevant job pack.			
Name:			
Company:		Job Title:	
Date:		Signature:	