

V-Speeds (KIAS) (important values here)				BEFORE START		LANDING / APPROACH		MOTOR POWER LOSS	
Vy	76	Vr	42-65	Groundstation		Landing zone	CLEAR	Controlled landing where possible	
Vx	64	Va	89-113	GPS	3D/RTK FIX	AFTER LANDING		CONTROL LOSS (MANUAL)	
Climb	87	Vfe	100	Drone Battery voltage	CHARGED	Drone arm	DISARM	Flight mode	HOLD
Max XV	17	Vno	125	Telemetry readings	CHECK	RC	OFF	Investigate source of loss	
Vs	50	Vne	154	Aircraft		Telemetry data	WAIT/TRANSFER	Continue mission / RTH at discretion of operator	
Vs0	44	GLIDE	76	Drone launch positioning	STABLE	Battery	DISCONNECT	OBJECTS FALLING FROM DRONE	
FLIGHT PLAN				Drone surroundings	CLEAR, NO PEOPLE	Props	REMOVE	Controlled landing where possible	
Wind			CHECK	RC Switches	IDLE / REST	Drone assembly	DRY	LI-PO FIRE	
Visibility			CHECK	RC Antenna	STRAIGHT	POST-MISSION		Battery	ISOLATE / SAND BUCKET
Rain			CHECK	Remote control	ON	Batteries	CHARGE/STORAGE	Battery surroundings	CLEAR FLAMMABLES/PEOPLE
Temperature		PLAN BATTERY		RC Control Profile	CHECK	Mission report	FILL	Fire suppression / SAND /WATER	APPLY
Sunlight / lighting		CHECK		RC Battery	CHECK	Flight safety report	AS REQ	LI-PO BULGING	
Terrain		SURVEY		Flight mode	MANUAL			Battery	ISOLATE / SAND BUCKET
Mission plan		FILL		Seat Belts	Fastened			Battery surroundings	CLEAR FLAMMABLES
Airspace		CLEAR		BEFORE TAKEOFF				Battery voltage	DISCHARGE / 0.0V
Area		NO PEOPLE/200m		Flight Controls	FREE			Battery	DISPOSE PROPERLY
Flight plan		ANNOUNCE		Drone arm	ARM				
TODO: FLIGHT/MISSION PLAN/REPORT TEMPLATE				Flight control response	CHECK				
				AFTER TAKEOFF					
PREFLIGHT				Ground clear, >10m					
Groundstation				Drone structural integrity	CHECK				
Laptop battery		CHECK LIFESPAN		Flight mode	MISSION				
Telemetry module		Connect USB		CRUISE					
Telemetry module rigging		STABLE		Aircraft					
Telemetry module antenna		VERTICAL		Sky	CLEAR				
Drone failsafes		SET		Ground beneath drone	CLEAR				
Mission planner		MISSION READY		Drone	STABLE				
Aircraft				Groundstation					
Battery		DISCONNECT		Battery voltage	CHECK				
Landing struts / gear		CHECK		MANUAL TAKEOVER					
Airframe		CHECK		Drone surroundings	CLEAR				
Cameras		CHECK		Call out "MY DRONE"					
ESCs		CHECK		RC Controls	READY				
GPS		CHECK							
Cables		FASTENED		Ensure drone stable	STABLE				
Battery		CHECK, FASTENED		Flight mode	MANUAL				
Cover		FASTEN							
Cover		CHECK							
Telem. Antenna		VERTICAL							
WIFI Antennae		VERTICAL X2							
Props		CONNECT							
Props		SECURE, CONDITION, ORIENTATION							
Anti-collision lights		ON							

