THAMES

	Component of system/Milestone	Supervisor	Time/Date	Comments (all/part/none working; protoboard/constructed)
X	Understand RC Rx output			
	Get basic motor movement via ESC	RM	12:30 6th	Signal generator → ~~sine~~ wave (pulse) → ESC → motor.
X	Successful signal generator test of PPM Decoder			
X	Successful RC test of PPM Decoder			
✓	Successful serial telemetry test (transmit), in software			
✓	Successful serial telemetry test (receive), in software			
	Successful transmission and receive via Bluetooth, hardware			
	Get raw data out of the IMU	RM	12:30 6th	IMU → Arduino (on breadboard) → Serial → PC program - data decoded and displayed 200Hz
	Establish communication (I2C or SPI)	RM	"	"
	Process measurements with DMP or external filter	RM	"	filter running on arduino Mahony filter from library
✓	Controller outputs a ~~PRM~~/PWM signal for ESCs	GVM	10th 10:00	14 discrete levels from terminal → 11 Matlo → ESCs & motors.
X	Controller receives converted PPM data			
✓	Controller receives serial telemetry	GVM	10th 10:00	see above. terminal → 11 matlo. used.
	Test power distribution board	RM	10:37 09.03.17	
✓	Test power distribution board with motors	GVM	10th 10:00	Motors running from ESCs from battery.
	Flight/ ~~Stable Flight~~	SRG	14:40 13/3	FLIGHT OFF TABLE DEMONSTRATED BY VIDEO. CONTROL NEEDS SOME WORK.
	Target flight time achieved (1/2/3 minutes)			
	Hooked on to and carried empty lunchbox			
	Lift target weight			

Milestones finalised by supervisor: S. GUNN ..... Signed ..... Date 13/3/17

Prototype hardware handed over to: ..... Signed ..... Date

Other items returned to Lab support hatch and checked by: ..... Signed ..... Date