

RotorSport UK Ltd

Aircraft Registration G-	<h1 style="margin: 0;">Aircraft Worksheet</h1>	Date raised: Raised by:
Purpose – record transponder verification actions as part of in-service inspection.		Document reference:
Maintenance manual referred to and issue level/date:		
Task or defect description	Rectification or action undertaken	Eng'r initials
1. If the transponder is new and not programmed with the aircraft information, enter the aircraft hexadecimal mode S code, aircraft type (UL, code is 1C) and FID (Aircraft registration without hyphen, and three blanks after). Refer to equipment handbook for method, and CAA G-INFO for aircraft data.	Programming required? _____ Code programmed into transponder: _____ Transponder type _____	
2. If transponder is programmed and the test is only for verification of function, record the aircraft registration and assigned hexadecimal code from G-INFO	G- _____ Hex code _____	
3. Rig IFR6000 or equivalent ramp test unit with antenna and turn on. Set to Generic Mode S test with reference to test equipment manufacturers instructions, and place equipment level with the antenna and 6ft away (subject to test set antenna requirements).	Ramp test unit type and serial no: _____ S/N _____ Calibrated to _____	
4. Turn on aircraft keyswitch and transponder. Set transponder to mode ACS. Set altimeter to 1013mb		
5. Start test on Ramp test unit. If test passes save the pass file, and print. Check on the print that the codes replied as the same as those required. If not, correct the fault and retest.	Test PASS or FAIL Code reported _____ Match? Y/N	
6. Confirm that the transponder reported altitude matches the altimeter. If the discrepancy exceeds 100ft, confirm calibration of the altimeter. Adjust altimeter if required, or have transponder recalibrated.	Transponder altitude _____ Altimeter altitude _____ Was any recalibration undertaken? State action taken.	
Supply copy of the test report from the ramp tester as evidence of the tests undertaken.	Test report reference (if avail):	
Engineer/Inspector signature Name: CAA Authorisation code :	Date of work Location where work completed	

Note: All worksheets should be attached or referenced in the logbooks of the aircraft to which they refer and are considered to be part of the aircraft's legal maintenance record.