BMAA FLEXWING INSPECTION WORKSHEET

Reg: G-	***Type:***	***Serial No.:***	***BRS fitted? YES / NO***
Does aircraft reflect G-INFO?	***YES / NO***	***A/F hrs at last 31st Dec:***	
Date of last weighing:	***MTOW:***	***A/F hrs at inspection:***	
Type Approved (BM) or Type Accepted(BM0)		*Amateur Build (HM) including Microlight Aircraft Approval Note*	
TADS No. BM _____ Issue ____ or HADS No. HM _____ Issue_____ + MAAN(s)_____ Issue_____			

1	***General & Documentation***	***Comments***	***✓✗***	***N/A***
1.1	*Obtain Logbook and record start of inspection.*			
1.2	*Registration Document / Permit to Fly / Noise Certificate*			
1.3	*Weight Report + logbook entry*			
1.4	*Relevant POH / AMM is available*			
1.5	*All relevant MPDs (inc. CAP 661) complied with and certified*			
1.6	*Lifed parts replaced/extended only if allowed*			
1.7	*Airframe & Engine hours properly recorded & totalled*			
1.8	*All Mandatory Maintenance & SBs certified in logbook*			
1.9	*Origin and fitness of replacement parts*			
1.10	*MAANs and Modifications approved & certified in logbook*			
1.11	*Registration Marks, Airframe S/N & Engine S/N checked*			
1.12	*Placards checked against TADS/HADS/MAANs*			
1.13	*Batten Plan is marked with Aircraft Registration letters*			
2	***Trike structure:***	***Comments***	***✓✗***	***N/A***
2.1	*Fuselage monocoque structure (all composite)*			
2.2	*Brackets, fittings, plates and joint assemblies*			
2.3	*Tubes and Struts*			
2.4	*Base tube(s) and snoot*			
2.5	*Pylon tube(s)*			
2.6	*Hang-point attachment*			
2.7	*Front strut*			
2.8	*Steering mechanism(s)*			
2.9	*Drag links and bracing tubes*			
2.10	*Undercarriage*			
2.11	*Wheels, wheel bearings, axles, tyres, brakes*			
2.12	*Seat frames*			
2.13	*Seat harnesses, buckles & seat fabric*			
2.14	*Pod, spats, fairings,windscreen and fabric skirts*			
2.15	*Instruments and electrics*			
2.16	*Control cables, pushrods*			
2.17	*Engine frame including wires*			
2.18	*Servicing / checks up to date (trike)*			
3	***Powerplant:***	***Comments***	***✓✗***	***N/A***
3.1	*Engine mounting and attachments, cowlings and firewall*			
3.2	*Flexible mountings*			
3.3	*Exhaust system, silencer and supports*			
3.4	*Gearbox or reduction drive*			
3.5	*Crankcase, prop-shaft, flanges, bolts*			
3.6	*Propeller (approved combination?)*			
3.7	*Carburettor, air intake, security*			
3.8	*Fuel tank, cap and vent (drip tray)*			
3.9	*Fuel lines, filter, fuel cock, pump*			
3.10	*Cooling system*			
3.11	*Oil system*			
3.12	*Engine controls (throttle(s), choke(s), mixture if fitted).*			
3.13	*Starting system*			
3.14	*Electrical system, charging, low tension, lights, fusing*			
3.15	*Ignition switches, plugs, leads*			
3.16	*Compression test & Conrod Bearing Clearance Test (opt.)*			
3.17	*Servicing / checks up to date (engine)*			
3.18	*Engine ground run (opt.)*			

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Reg: G-				Continuation sheet
4	**Wing and empennage structures:**	**Comments**	**✓✗**	**N/A**
4.1	Nose plates and channel			
4.2	Leading edges, including sleeves			
4.3	Cross tubes, including abutment			
4.4	Keel (and bowsprit / fin tube if fitted)			
4.5	Control frame,including uprights and fittings			
4.6	King post and lufflines			
4.7	Special airframe components			
4.8	Wing tip straps/ Winglets			
4.9	Hangpoint (distortion and wear)			
4.10	Battens & bungees, last conformity check to batten plan?			
4.11	Servicing / checks up to date (wing)			
5	**Rigging:**	**Comments**	**✓✗**	**N/A**
5.1	Cables, thimbles, swages and tangs			
5.2	Tangs, turnbuckles, toggles and clamps			
5.3	Swan catch, pip-pin/whizz pin			
6	**Coverings and panels:**	**Comments**	**✓✗**	**N/A**
6.1	Stitching, seams			
6.2	Damage, abrasion spots, tears			
6.3	Bettsometer Test as required **Stitching (A)_____(B)_____ gms / Sail (A)_____(B)_____ gms**			
	Brooksmeter Test if applicable **Reinforcing band type: _____Test:_____ kgf**			
6.4	Discoloration, UV damage			
6.5	Batten pockets, bungees			
6.6	Keel pocket, keel strap			
6.7	Sail attachments / fabric security			
6.8	Registration letters			
6.9	Skin panels			
7	**General condition and conformity:**	**Comments**	**✓✗**	**N/A**
7.1	Fasteners - nuts, bolts, washers, pip-pins, rivets			
7.2	Welds			
7.3	Corrosion levels			
7.4	General rigging and symmetry			
7.5	Overall condition of aircraft			
7.6	Configuration state – no omissions from basic design std.			
7.7	Configuration state – no unauthentic parts/equip't evident			
8	**Flight & Ancilliary controls:**	**Comments**	**✓✗**	**N/A**
8.1	Check controls for full and free movement			
8.2	Check range, operation and sense of trim system if fitted			
9	**Form & Process Completion:**			
9.1	Record end of inspection in logbook & return to owner			
9.2	Complete AW/006 & give to owner			
9.3	Advise owner of any advisory items found during inspection			
9.4	Ensure all inspection panels are replaced			

BMAA INSPECTOR DECLARATION & PERMIT FLIGHT RELEASE CERTIFICATE (PFRC)

I have inspected the aircraft IAW the requirements of SIGMA for the revalidation of a Permit to Fly. Where the aircraft has passed the inspection this form acts as a PFRC (for 60 days), releasing the aircraft for check flying IAW the BMAA Check Flying Handbook

PASS *- Please tick box if this is a record of a* ***PASSED*** *inspection* ☐

FAIL *- Please tick box if this is a record of a* ***FAILED*** *inspection* ☐

Inspector Signature:		***Date completed:***		
Inspector Name:		***Insp & BMAA No.:***		