

BMAA FLEXWING INSPECTION WORKSHEET

Reg: G-	Type:	Serial No.:
Does aircraft reflect data on 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	✓x	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	✓x	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	✓x	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	✓ x 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	✓ x 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	✓ x 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	✓ x 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 & Ancillary controls:	Comments	✓ x 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.:	