SECTION 7

GUIDANCE FOR BOAT APPLICATIONS

BOAT INSPECTION CHECKLIST

Boat Name:	
Date:	
Category:	

- MCA Inland Water Small Passenger Boat Code
- MS (Boatmaster's Qualifications, Crew and Hours of Work) Regulations 2014

		Ref. *	Remarks
Third party Liability Insurance for £5M			
Skipper			
Category A/B	**Category C/D**		
Skipper to have an appropriate Qualification or demonstrate to Operator that competent and Local experience. Recommended minimum qualifications: MCA BMT2L2/RYA Day Skipper Practical + Commercial Endorsement + 3 months Relevant experience/ RYA power boat level 2 + 3 months experience/ Waterman's license issued by competent authority	Skipper to have as minimum MCA BM T2L2/ RYA Coastal/Day skipper + commercial endorsement + 3 months experience/ RYA power boat level 2 + commercial endorsement + 3 months experience/ Waterman's/Boatman's License issued by competent authority	26.1 26.2 Annex 3 MSN 1853	
1-day short range VHF certificate. If VHF fitted	1-day short range VHF certificate	26.3	
Medical certificate: ML5/ENG1/ CAA commercial pilots license DVLA group 2 drivers license HSE diving medical certificate	Medical certificate: ML5/ENG1/ CAA commercial pilots license DVLA group 2 drivers license HSE diving medical certificate	26.4	
Evidence of satisfactory colour Vision if not marine medical	Evidence of satisfactory colour Vision if not marine medical	26.5	
Basic Sea Survival certificate	Basic Sea Survival certificate	26.6	
First Aid			
Elementary/ RYA Small Craft First Aid Certificate/ HSE approved/ Ambulance service First Aid certificate.	Elementary/ RYA Small Craft First Aid Certificate/ HSE approved/ Ambulance service First Aid certificate.	30.1	To be held by Skipper or other member of the crew
Validity 5 years		30.2	

Construction and Structural Strength		
On first survey: Post 1998, EC Recreational Craft Directive94/25/EC builders CE plate Cat A/B waters design cat. D Cat. C/D waters, design cat C	3.4.3	
Max No of persons.	3.4.3	
Hull Id No. (starboard side transom + hidden location)	3.4.3	
Owners Manual – declaration of conformity & stability/ loading data Safe operation of boat info/ equipment positions	3.4.3	
Pre 1998 boats on first application: Survey by appropriate surveyor that boat is IAW this code/Code for Design, Construction, Operation of Hire Boats Code. **OR** builders certificate with evidence that the boat is appropriately constructed for the area of intended operation.	4.1	
Vessels holding existing license in SASHMA areas: Recent history of safe operation in required operating area.	4.5	
Weed hatch if fitted: 150mm above waterline and watertight	4.6	
Hull/shell fittings/steering/propulsion to have documented Out of water examination by competent person at least every 5 years	4.7	
Water freeing arrangements/drainage		
If water may be trapped – min. 2 freeing ports (1 each Side) Of Area: Cat. A/B 65 sq. cm/ Cat C 135 sq. cm/ Cat D 225 sq. cm	6.1.1	
Machinery		
Fit for purpose for intended service. Materials fire resistant or otherwise protected	7.1.1	
Moving parts/hot surfaces/other hazards protected for normal movement around vessel.	7.1.1	
Sufficient fuel capacity for area of operation.	7.1.2	
Fuel tank vents to have flame gauze and be at or above filling plate level and no danger of fuel/vapour escape.	7.1.2	
Engines in dedicated compartment remote from operator then shut off fitted in feed pipe as close to tank as possible.	7.1.3	
Outboard petrol tanks to have quick connection shut off device.	7.1.3	
Reliable starting mechanism. If by battery then battery charger fitted. Cat C/D then duplicate battery + change over switch.	7.1.5	
Inflatable boats & open boats able to reach planing speed: if remote throttle controls - then fitted with kill cord.	7.1.7	
Diesel engines		
If Fuel Tank has sight glass then self closing v/v to prevent spillage - Portable fuel storage unit to be metal & means to contain spills & direct over side drainage of spills.	7.2.1 7.2.2	
Located on deck & away from heat source & build up of vapour Separate from LPG	7.2.2	
Containers stored upright, secured & labelled (haz. Etc). Not to impede movement around vessel or escape routes.	7.2.2	
Petrol engines		
To be suitable outboard.	7.3.1	
Fuel filling lines flexible hoses - connections leak proof and easily accessible for inspection.	7.3.1	

Fuel Tanks non-corrosive material. Secured low down as practicable. Joints/seams to be welded/brazed/close riveted – no solder. No Glass/plastic sight gauges – indicators to not allow escape of fuel if damaged. Dipsticks if fitted to be via gas tight fittings.	7.3.1	
Tanks bonded to deck filling plate & earth point in contact with Water surrounding hull. Tanks > 2.5l within 1m of engine/heat source to be protected by Fire resistant baffle.	7.3.1	
Fuel drawn through top/near top of tank, except gravity feed to ensure No fuel dump if tank damaged. Fuel filters marine use and fire resistant. Flame trap/air filter to be fitted to air intake.	7.3.1	
Feed pipes suitable material, Adequately supported/Clear of Exhaust/heat sources.	7.3.1	
Vessels may have < 5HP auxiliary engine with integral fuel tank If provided with filling precautions sign.	7.3.2	
Other than inflatable boats – permanent tank any spillage to drain overboard. Or portable tank < 27l.	7.3.3	
Hydrocarbon detector in enclosed locations liable to vapour build up.	7.3.4	
Spare portable petrol containers not to be carried unless essential. If so, marked (haz etc.), secured on deck, easily jettisoned, spillage to Drain Overboard. Away from LPG. Not impede normal movement or on Escape routes. Alternatively in fire resistant locker, Over side drainage.	7.3.5 7.3.6	
Small Vessels may have 5l container in deck locker vapour tight to interior/Not able to open from interior/drain overboard & ventilated to Atmosphere.	7.3.7	
Electrical Installation		
Electrical equipment away from areas liable to hydrocarbon gas build up.	8.3	
Centralised lighting to have back up – may be torches sufficient to Exit to open deck/deploy LSA/illuminate rescue equipment/work on Essential machinery.	8.4	
Batteries firmly secured. If charging output > 0.2kW, batteries in well Ventilated space. If >2.0kW well ventilated dedicated compartment. If natural ventilation then risk assessment to prove low risk to life.	8.5.1 8.5.2	
Battery operated safety critical equipment to have back up.	8.5.4	
Steering Gear/ Steering Position		
Effective steering system with emergency arrangements.	9.1 9.3	
Helmsman clear view.	9.2	
Bilge Pumping/ Draining		
Powered or hand pump – allow any compartment to be drained. Holding tank for oily bilge water. Auto start recommended except in areas where potential pollutants, no drawing from oil tight areas beneath engine/gearbox.	10.1 10.3	
Category A/B open vessels bucket/bailer	10.2	
Bilge alarms if fitted to give audible/visual warning at control position	10.4.2	

Anchors and Cables		
Anchor with min. 4m chain.	20.1	
20m continuous length of rope, suitable for towing.	2.3	

Life Saving Equipment			
Category A/B	**Category C/D**		
One lifebuoy 18m line + light at night May have throw line as alternative If lifejackets worn then not required	2 lifebuoys, 1 with 18m line + light at night. If lifejackets worn by all then not required	13.1	
Lifejackets not required unless Vulnerable people – risk assessment must be provided	Enough for all on board. Solid buoyancy or inflatable. Not to rely solely on oral inflation. EN 396 150N (ISO 12402-3) or EN 399 275N. (ISO 12402-2) Lights if used at night. Serviced annually if regularly used, bi annually as minimum if not	13.2	
Category A/B/C	**Category D**		
Life raft not required	Life raft for all on board. Must be MCA approved (SOLAS or Non SOLAS), including open reversible or built to ISAF, OSR App A pt 2 requirements. Need not be fitted with an insulated floor or canopy:	13.3.1 13.3.2	
	MCA approved standard and either SOLAS B pack for the OSR type or the contents of a MCA (UK) E pack including: Buoyant line with buoyant quoit	13.3.3	
	2 buoyant folding safety knives + lanyards stowed near painter	13.3.3	
	Buoyant bailer + lanyard	13.3.3	
	2 sponges	13.3.3	
	sea anchor attached to raft	13.3.3	
	2 buoyant paddles	13.3.3	
	1st Aid kit in waterproof case	13.3.3	
	Whistle	13.3.3	
	2 Red hand flares	13.3.3	
	Puncture repair outfit + bellows	13.3.3	
	Equipment not attached to raft may be packed in raft by authorised person and contents listed on certificate or stowed in grab bag in prominent Position.	13.3.4	
	Life raft stowed on deck + hydrostatic Release or in readily accessible and Dedicated locker opening onto deck.	13.3.5	
	Maintained at required manufacturers intervals	13.5	
	Instruction/maintenance manual	13.4.1	
	If the flares and Buoyant line with buoyant quoits are sealed within the life raft, then the equivalent should be also carried in an accessible place on the vessel.	2.3	

	2 orange smoke floats	2.3	

Fire Safety		
Machinery compartments to ensure retention of released Fire Fighting Extinguishing medium to extinguish fire.	14.1	
Insulation non-combustible and impervious to oil.	14.2	
Means provided so as to keep machinery clean + means to contain oil spillage	14.3	
Recommended that fixtures and fittings to be fire retardant	14.5	
Galleys/sleeping accommodation fitted with smoke/heat detectors	14.6 14.7	
LPG installations annual inspection by competent person	14.4	

Means of Escape		
Means of escape such that no single event cuts off all escape routes. Account taken of numbers and restrictions on use of escapes.	14.8.1	
2 means of escape from: each sleeping compartment or other at risk accommodation	14.8.1	
2 means of escape from machinery space unless only occasionally visited and exit allows ready escape, or person always within 5m of exit	14.8.1	
Existing vessels with single means of escape from accommodation to Have fire detectors as necessary for early warning.	14.8.2	
Fire Fighting Appliances		
Open/partially decked with no engine/cookers/heating/lighting etc No fire extinguisher required.	15.1	
Inboard engine space to have remotely operated system either Manual or automatic. May be portable extinguisher Operable from outside the space, through fire hole. Extinguisher suitable for size of space but minimum rating 5A/34B.	15.2	
Cat A if outboard then 1 x suitable fire extinguisher	15.3	
Cat B/C/D Vessels >6m LOA, hand/powered pump + hose/nozzle to give 1 jet of Water to any part of vessel, **or** 1 multi-purpose extinguisher min. rating 13A/113B kept outside engine space or more in number giving an equivalent rating	15.4 15.5	
1 multi - purpose fire extinguisher min. rating 5A/34B at each exit from accommodation to deck but min. 2 extinguishers.	15.6	
Fire blanket in Galley/cooking area between door and stove.	15.7	
Fire bucket with lanyard	15.5	
Emergency Response Plan.	19.7	
Navigational Equipment		
Navigation lights IAW International Collision Regs.	17.1	
Efficient sound signalling equipment.	17.4	
Waterproof signalling torch	19.6	
Boat Hook	19.6	
Category C/D		
Magnetic compass with deviation card **or** Fluxgate compass + back up Supply, with deviation card if not internal calibration.	19.1 19.2	
Current chart/publications/tide tables for area of operation.	19.3	

Radar reflector/transponder	19.4	
Sailing vessels to have means of clearing rigging if dis-masted.	19.5	
Communication Equipment		
VHF fixed or mobile (recommended VHF DSC) + license. Portables to be waterproof or in waterproof pouch.	16.1 16.3	
Emergency communications card - easily accessible	16.4	
Accommodation		
Sufficient handholds/grab rails fitted within accommodation for Safe movement around vessel.	21.1	
Furniture/heavy equipment securely fastened	21.2	
Stowage Lockers to have secure fastening.	21.3	
Means of escape clearly marked and free from obstruction.	21.4	
Enclosed spaces adequately ventilated	21.5	

Protection of Personnel		
Areas frequented by passengers to be enclosed **or** guard-rails/wires To min. ht. 1000mm. Maybe reduced in Cat A/B if passengers seated	22.1	
If impedes working of vessel then arrangements giving equivalent safety	22.3	
Cat. C/D – 2 safety harnesses and means of securing.	22.5	
Surface of working deck to be non slip/ Inflatable boats, upper surface of tubes non-slip finish.	22.6	
Appropriate First Aid Kit stowed in accessible place.	23	
Tenders (Dinghies)		
If Carried should be marked with Carrying Capacity and name of vessel	24	
Prevention of Pollution		
Sanitation system to be capable of being sealed or made inoperable.	25.2	
Oil tight tray fitted beneath engine/gearbox to prevent leakage. Sides of tray as high as practicable. Not required if oil tight structure Fitted fore & aft of engine. No bilge pump to draw from oil tight area.	25.4	