



Indian Register of Shipping

CLASS ANNUAL SURVEY/INTERMEDIATE SURVEY/SPECIAL SURVEY/ GENERAL EXAMINATION* CHECKLIST FOR ACCOMMODATION BARGES/PONTOONS

Ship Name: Report No.: I.R. No.:

Use "Y" for Yes/Satisfactory, "N" for No/Not Satisfactory, "NA" for not applicable, "P" for Remains outstanding.
NOTES:

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| 1 | This checklist is to be used while reporting surveys of non-self-propelled accommodation barges or pontoons. |
| 2 | Where any repairs or any deficiencies pending comments to be included in the remarks section. |

Sr. No.	Item	Y/N/NA/P
DOCUMENTATION		
1.1	APPROVED TRIM & STABILITY INFORMATION Confirmation of availability of approved trim and stability booklet	
1.2	FIRE CONTROL PLAN Verification of proper posting of fire control plans (including duplicate sets permanently stored in a prominently marked weather tight enclosures outside deckhouse.	
1.3	ALTERATION AND/OR MODIFICATION Confirmation that no alteration or modification has been done from the initial arrangement.	
1.4	EMERGENCY TOWING PROCEDURES Confirmation that specific emergency towing procedures available on board.	
1.5	DAMAGE STABILITY Availability of damage stability information	
1.6	ALTERNATIVE DESIGN & ARRANGEMENT Confirmation that, where applicable the approved documentation for the alternative design and arrangement is in board.	
HULL & WEATHER DECK		
2.1	MASTS AND STANDING RIGGING Masts, Derricks & Crane columns including their standing rigging.	
2.2	FIRE DOORS AND CONTROLS Examination of manual/automatic fire doors, verification of their satisfactory operation including confirmation that no holding back arrangements exist and arrangements for self-closing & locking are in order.	
2.3	SOUNDING PIPES Sounding pipes, including self-closing devices on short sounding pipes.	
2.4	HATCHWAYS, MANHOLES AND OTHER OPENINGS Examination of condition of accessible hatchways, manholes and other openings and testing of hatchways on freeboard and superstructure decks including efficient condition of closing appliances.	
2.5	WEATHER DECKS Examination of weather decks, side plating above water line and end bulkhead of enclosed superstructures.	
2.6	LIFTING ARRANGEMENT Examination of arrangements for lifting fully loaded shipborne barges.	
2.7	ARRANGEMENT FOR SYSTEMS/UNITS COMPRISING MANY MODULES Where pusher tugs or integral tug/barge systems or combination units comprising many modules, examination of the connecting elements, attachments and supporting structures.	

2.8	TRUSS ARRANGEMENT Examination of truss arrangements for satisfactory condition	
2.9	HULL MARKINGS Verification that hull markings such as freeboard markings, draft markings are legible and in satisfactory condition.	
2.10	VENTILATORS Examination and or testing of ventilators including efficiency of their closing appliances.	
2.11	PORTLIGHTS, WINDOWS, SIDE SCUTTLES AND DEAD LIGHTS Examination of condition of windows, portlights, side scuttles together with dead covers, cargo ports and similar openings in hull sides, ends or in enclosed superstructures including testing of closing arrangements for same.	
2.12	SCUPPERS, SANITARY DISCHARGES, VALVES AND CONTROLS Examination scuppers and sanitary discharges together with valves and their control gear	
2.13	SKYLIGHTS AND FIDDLEY OPENINGS Examination and or testing of skylights and fiddley openings including their closing appliances	
2.14	EXPOSED CASINGS, DECK HOUSES, COMPANION WAYS AND SUPERSTRUCTURES Examination and / testing of exposed casings, deck houses, companionways and superstructure bulkheads including closing appliances	
2.15	GUARD RAILS AND/OR BULWARKS Examination of the condition and arrangement, fittings & appliances for timber deck cargo	
2.16	WATERTIGHT BULKHEAD OPENINGS Examining the watertight bulkheads as far as can be seen. Watertight bulkheads penetrations examination as far as practicable for satisfactory condition, watertight doors in watertight bulkheads	
2.17	TOWING AND MOORING EQUIPMENT Confirming that the towing and mooring equipment is properly marked with any restriction associated with its safe operation.	
2.18	AIR PIPES	
2.18.1	Examination and or testing of air pipes including efficiency of their closing appliances, weld connection between Air pipes and deck plating.	
2.18.2	Confirmation that vents from tanks and ballast tanks (where applicable) are equipped with flame screens and mesh provided is in satisfactory condition.	
2.19	FREEING PORTS Examination of the condition and arrangement including shutters, hinges and crew protection bars	
2.20	CHANGES IN STRUCTURAL FIRE PROTECTION Confirmation, as far as practicable, that no changes have been made in the structural fire protection, examining any manual and automatic fire doors and proving their operation, testing the means of closing the main inlets and outlets of all ventilation systems and testing the means of stopping power ventilation systems from outside the space served	
2.21	HELIDECK Examination to verify that the helicopter deck and the supporting structures are maintained in a satisfactory condition. Markings of helicopter deck are in good condition.	

MACHINERY SPACES		
3.1	MACHINERY AND OTHER SPACES Confirming that the machinery and other pressure vessels, associated piping systems and fittings are so installed and protected so as to reduce to a minimum any danger to persons on board, due regard being given to moving parts, hot surfaces and other hazards	
3.2	FIRE/EXPLOSION HAZARDS	
3.2.1	Auxiliary machinery, all pressurized systems (pneumatic, hydraulic) and their associated fittings were examined to see whether they are being properly maintained and with particular attention to the fire and explosion hazards	
3.2.2	Verification that oil / water leakages, accumulation of oil, with potential source of ignition does not exist in the machinery spaces. Leakages if any have been dealt and source of leakages rectified	
3.2.3	Confirmation that lagging material on hot surfaces, anti-splash tapes on joints are in place as required and high-pressure fuel lines are jacketed and spray shields flanged/screwed joints of pipes are in satisfactory condition.	
3.2.4	Confirmation that arrangement for high pressure fuel oil leak off alarm for auxiliary engines or any other diesel engines are satisfactory and operational. Drain lines are connected to alarm unit and working satisfactory.	
3.2.5	Where flexible hoses/pipes are used, examination of hoses/pipes for any signs of material cracking or deterioration to ensure that, there is no damage, cut, kinked, crushed, twisted, hardened, cracked hoses/pipes exists in the oil systems.	
3.3	REMOTE CONTROLS Examining the means for operation of the auxiliary machinery essential for the safety of the barge/pontoon, including when applicable, the means of remotely controlling the machinery (including the control, monitoring, reporting, alert and safety actions) and the arrangements to operate machinery from a machinery control room.	
3.4	BILGE PUMPING ARRANGEMENT	
3.4.1	Examination of the bilge pumping systems and bilge wells including operation of each bilge pump (including hand pumps and eductors), extended spindles and level alarms, where fitted.	
3.4.2	Operational confirmation of emergency bilge suction and bilge-pumping system as applicable.	
3.5	NORMAL OPERATION OF MACHINERY Confirming that the normal operation of the machinery can be sustained or restored even though one of the essential auxiliaries becomes inoperative.	
3.6	SEA WATER PIPE EXPANSION JOINTS Examination visually the condition of any expansion joints in sea water system.	
3.7	ALARM SYSTEMS Operation of safety devices, bilge level detection and alarm systems. Examination and testing of the general emergency alarm system and confirmation of the engineer's alarm that it is clearly audible in the engineer's accommodation.	
3.8	SCHEDULE OF BATTERIES Schedule of batteries for essential and emergency services available on board and maintenance being done as per this schedule.	
3.9	MACHINERY SPACE VENTILLATION Confirmation that ventilation in machinery space is in good working condition.	
ELECTRICAL INSTALLATION		
4.1	ELECTRICAL SYSTEM	
4.1.1	General visual examination and in operation, as feasible, of the main electrical machinery, the emergency sources of electrical power, the switch gear, other electrical equipment including the lighting system.	
4.1.2	The precautions provided against shock, fire and other hazards of electrical origin for proper maintenance. Electrical equipment and wiring installed in hazardous areas are of certified types suitable for flammable gas/air environment.	

4.1.3	Confirmation that lights cover including emergency lights are in satisfactory condition.	
4.1.4	Confirmation that 440V/ 220V panels are not showing low insulation resistance.	
4.1.5	Confirmation that insulation mat is provided around the electrical switch board, panels.	
4.2	EMERGENCY SOURCE OF POWER The operation of the emergency source(s) of electrical power, including their starting arrangement, the systems supplied, and when appropriate, their automatic operation as far as practicable.	
4.3	EMERGENCY SHUT DOWN Confirmation of satisfactory operation of emergency shut down for ventilation system, non-essential electrical and other equipment.	
4.4	EMERGENCY LIGHTING General examination visually and in operation as far as practical of the emergency lighting at least at following areas i. at storage position(s) of fireman's outfit ii. at the sprinkler pump (if applicable) iii. on helicopter decks iv. embarkation station	
4.5	NAVIGATIONLA WARNING LIGHTS Confirmation that navigational warning lights are in good condition and operating satisfactorily.	
4.6	HELIDECK LIGHTINGS Confirmation that perimeter lights, flood lights, omni-directional red lights at the helideck are in good condition and operating satisfactorily.	

FIREFIGHTING ARRANGEMENTS

5.1	SERVICING OF FIREFIGHTING APPLIANCES Verification of evidences for proper maintenance and servicing of firefighting appliances.																																												
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		Foam	Sample Testing		
			Examination		
		DCP	Testing		
			Examination		
		Other (Specify).....	Testing		
			Examination		
	4	Fireman's outfit	Examination		
	5	International Shore Coupling	Examination		
5.2	MAIN AND EMERGENCY FIRE PUMP				
5.2.1	Verification that each Fire pump (including starting and priming arrangements) is capable of producing the required jets of water produced simultaneously from different hydrants at any part of the ship whilst the required pressure is maintained in the fire main.				
5.2.2	Confirmation that emergency fire pump including prime mover and priming arrangements, gauges are in satisfactory condition and pump is building required water pressure and two jets of water simultaneously. Tested pressure :.....bar				
5.3	FIREMAINS, HYDRANTS, HOSES, NOZZLES AND APPLICATORS Condition of fire main (no soft patches or doublers) together with flanges and valves, hydrants, hoses, nozzles, applicators, spanners, relief valves and international shore connection				
5.4	READINESS OF FIRE HYDRANTS, HOSES Each hose completes with couplings, nozzle (dual-purpose nozzles where applicable) and tools kept ready for use.				
5.5	PORTABLE EXTINGUISHERS AND FOAM APPLICATORS Confirmation that portable fire extinguishers correspond to the fire control plan w.r.t. number, type and location and that when examined were in good condition, fully charged and ready for use.				
5.6	SPARE CHARGES Availability of spare charge/s for each portable extinguisher or additional portable extinguishers of the same type				
5.7	FIRE AND GAS DETECTION SYSTEM Confirmation of proper functioning of fire and gas detection and alarm system.				
5.8	REMOTE STOPPING OF FANS, OIL PUMPS, ETC				
5.8.1	Verify that the remote controls for stopping fans and machinery are in working order.				
5.8.2	Examination of the arrangements for remote closing of fuel oil transfer service pumps, ventilation systems and tank outlet valves for fuel oil, lubricating oil and other flammable oils and confirming, as far as practicable and as appropriate, the operation of the remote means of closing the valves on the tanks that contain oil fuel, lubricating oil and other flammable oils.				
5.8.3	Confirmation that quick closing valves are in satisfactory condition and no valve is isolated/disconnected and operating instructions are displayed.				
5.9	FIREMAN'S OUTFITS AND EEBDS Confirmation that the fire fighters' outfits including its self-contained compressed air breathing apparatus and emergency escape breathing devices (EEBDs) as applicable are complete and in good condition and that the cylinders, including the spare cylinders, of any required self-contained breathing apparatus are suitably charged.				
5.10	FIXED FIRE FIGHTING SYSTEM				
5.10.1	Examination of fixed firefighting system as appropriate including controls, piping, instructions and marking. Checking for evidence of proper maintenance and servicing including date of last systems tests.				
5.10.2	Verification with regard to correct positioning (for in service condition) of safety pins were used on cylinder head discharge valves for fixed firefighting CO2 system are in accordance with manufacturer's instruction manual.				

5.10.3	Examination of the fixed carbon dioxide extinguishing systems, where applicable, are provided with two separate controls, one for opening of the gas piping and one for discharging the gas from the storage container, each of them located in a release box clearly identified for the particular space.	
5.10.4	Examination of fixed pressure water-spraying system and related equipment.	
5.11	CLOSING ARRANGEMENTS FOR SKYLIGHTS, FLAPS ETC Examination of closing arrangements of ventilators, funnel annular spaces, skylights, doorways and tunnel where applicable, including condition of operating mechanism e.g. wire ropes, hydraulic piping etc.	
5.12	EXHAUST DUCTS FROM GALLEY RANGE Examination galley exhaust ducts fixed fire extinguishing system including closing arrangement of fire dampers and shutting of exhaust fans (where applicable)	
5.13	MEANS OF ESCAPE Confirmation that the means of escape are satisfactory doors are in the way of direction of escape, handrails are provided in the corridors that are being used as escape routes.	
5.14	FIRE FIGHTING EQUIPMENT FOR HELICOPTER FACILITIES Confirmation that portable fire extinguishers as per fire control plan are available and in satisfactory condition including back up extinguishers. Examination of condition of fire water system, fixed foam system. Examination for satisfactory condition of drainage and fuel spillage collection arrangement. Confirmation that “NO SMOKING” signs are displayed at appropriate locations. Confirmation that the means of escape and access for firefighting and rescue personnel at helideck are satisfactory. (Applicable for helicopter facilities)	
GENERAL		
6.1	HOUSE KEEPING Verification as far as practicable that general housekeeping / cleanliness in machinery space, on deck, accommodation, galley, wash basins and toilets are satisfactory. Confirmation that no loose drums and no heavy items without securing/lashing on deck.	
6.2	STATUTORY AND/OR FLAG SPECIFIC REQUIREMENTS	
6.2.1	Confirmation that statutory requirements such as Loadline, MARPOL, AFS, Ballast Water Management are complied with as applicable.	
6.2.2	Flag and/or Coastal State specific requirements in respect of compliance towards ISPS code MODU Code, SPS Code etc. are complied with and valid certificates are available as applicable. (Details may be provided in remark section.)	
ADDITIONAL REQUIREMENT TOWARDS INTERMEDIATE SURVEY (To be filled in addition to Annual Survey)		
7.1	PIPING SYSTEM Examination of all bilge and ballast piping systems incl. operational testing to working pressure to confirm that the tightness and condition are satisfactory. Above to include all piping in the ballast tanks, cargo holds, pipe tunnels, cofferdams and void spaces bounding cargo holds.	
7.2	EXAMINATION OF TANKS, SPACES AND THICKNESS MEASUREMENT Confirmation that internal examination of tanks, spaces including testing and thickness measurements are carried out satisfactorily as per the rule requirements and reported separately.	
ADDITIONAL REQUIREMENT TOWARDS SPECIAL SURVEY (To be filled in addition to Annual Survey)		
8.1	MOORING ROPES AND TOW LINES	
8.1.1	Confirmation that sufficient mooring ropes and tow lines are provided onboard.	
8.1.2	Testing of the functionality of the emergency release system.	
8.1.3	Testing of the towline load for the emergency release system in both a normal power condition and power blackout condition.	

8.2	<p>PIPING SYSTEM</p> <p>Examination of all bilge and ballast piping systems incl. operational testing to working pressure to confirm that the tightness and condition are satisfactory. Above to include all piping in the ballast tanks, cargo holds, pipe tunnels, cofferdams and void spaces bounding cargo holds.</p>	
8.3	<p>EXAMINATION OF TANKS, SPACES AND THICKNESS MEASUREMENT</p> <p>Confirmation that internal examination of tanks, spaces including testing and thickness measurements are carried out satisfactorily as per the rule requirements and reported separately.</p>	
ISSUANCE OR ENDORSEMENT OF CLASS CERTIFICATE		
9.1	<p>Confirmation that the annual survey/ intermediate survey/ special survey/ general examination* completed satisfactorily and Certificate extended/Full-Term Certificate issued/Full-Term Certificate endorsed/interim certificate issued/short term certificate issued*</p>	

Remarks:

Surveyor(s) to Indian Register of Shipping

Date:

Place: