PORTS & SHIPPING ORGANIZATION

Safety and Survey
Regulations for Non-Convention Sized Ships

Annex 7 :
Complementary Instruction no.2 for Equipping, Operation and Inspection of Wooden Passenger Launches.

Chapter I
Preface, definitions and application

Article 1- Preface

Regarding to the joining of the Islamic Republic of Iran to the International Convention of Safety of Life at Sea (SOLAS 74) and that the traditional launches have been considered as primitive vessels, as described in the chapter I – Regulation 3 this convention (SOLAS 74) does not apply to the above mentioned vessels. But regarding to the importance of the safety of passenger lives, this instruction has been annexed as complementary instruction No.2 to the code for construction, equipping and inspection of vessels ratified by high council of Ports & Shipping Organization. This set of regulations is the basis for equipping, operation and inspection of traditional passenger launches.

Article 2- Definitions

For the purpose of the present instruction, unless expressly provided otherwise:

2-1- Safety code means the "**Safety and Survey Regulations for Non-Convention Sized Ships "** ratified by high council of Ports & Shipping Organization of I.R.Iran.

2-2- Complementary instruction means the complementary instruction No.2 (present instruction) that is annexed to the safety code.

2-3-Organization means the Ports & Shipping Organization of I.R.Iran.

2-4- General directorate means the General Directorate of *Organization* in provinces of I.R.Iran

2-5- Inspection Company means the inspection companies and classification societies, which carry out statutory surveys on vessels rising up the flag of the I.R.Iran on behalf of the *Organization*

2-6- Equipping company (companies) means the authorized company (companies) by *Organization* for equipping passenger launches according to the safety code and present instruction.

2-7- Passenger launch means an existing traditional wooden launch complying with safety code and present instruction, holding safety certificate for passenger launches ~~(appendix C)~~ issued by one of inspection companies, which carries passengers.

2-8- New building wooden passenger ship means wooden ships or launches with capacity of more than 12 passengers according to ratified conventions by I.R.Iran and safety code which their keel will be laid on March 20,1998 or later, after their construction plans have been approved by one of inspection companies and built under the supervision of the same company.

2-9- Passenger means:

1- Any person who boards the launch except Captain or crew of vessel or anybody employed in any form by owner of the vessel for a subject to the vessel affairs and,
2- At an age over 12 months.

2-10- Permitted passenger luggage means a cargo accompanied by passenger which:

1- The definition of dangerous goods does not apply to it.
2- Loaded and secured in specified location in launch.

2-11- Passenger jetty means a recognized jetty by *Organization* in origin or destination for berthing of passenger vessels.

2-12- Authorized routes means recognized and authorized routes for transfer of passengers by passenger vessels.

2-13- Organization inspector means a person designated by *Organization* for control of arrival and departure of vessel considering rules for control and safety inspections.

Article 3- Application

The present instruction applies to all complying launches modified to carry passengers. The above-mentioned launches are permitted to carry passengers in proper weather condition (after approval of port authorities) during sunrise to sunset.

Chapter 2
Equipping of the existing launches, inspections and operation.

Article 4- Authorized routes for passenger carriage by launch

Launches are permitted to voyage only via described routes while using the proper and approved jetties for embarkation and disembarkation of passengers:

Route 1: Bandar Abbas (Shahid Bahonar port) to Qeshm Island (Bahman passenger jetty)
Route 2: Bandar Abbas (Shahid Bahonar port) to Hormoz Island (Hormoz passenger jetty)
Route 3: Port of Lengeh (Lengeh passenger jetty) to Kish Island (passenger jetty)
Route 4: Bushehr port (Bushehr passenger jetty) to Kharg Island (passenger jetty)

Note 1 – New routes shall be recognized by *Organization* and noticed.
Note 2 – General directorates shall equip the ports in origin and destination of above-mentioned routes considering the chapter 4 of this complementary instruction.

Article 5- Authorized time limitation for passenger launches voyages
Passenger launches shall carry passengers after sunrise and prior to sunset daily.

Article 6- Authorized weather condition for passenger launches voyages
Passenger launches shall only leave ports while carrying passengers in proper weather conditions, which approved by port authorities.

Article 7- Incident insurance of crew and passengers of passenger launches
The owner of passenger launch or his/her official agent shall buy insurance for the crew and passengers against incidents while embarkation, disembarkation and throughout the voyage.

Article 8- Seafaring competency of captain and crew of passenger launches
Captain and crew of passenger launches shall hold valid seafaring certificates relevant to their job(s) according to P.S.O. rules.

Article 9- Required documents for passenger launches while carrying passengers
A passenger launch shall be authorized to carry passengers if following documents will be provided additional to required documents for leaving the port:

1- Equipped according to this instruction and holding valid and non-conditional seafaring certificate.
2- Holding valid incidents assurance for passengers and crew.
3- Relevant and valid seafaring worthiness certificates for captain and crew.
4- Passenger list according to the authorized passenger capacity.

Article 10- Consequences of modification, equipping and inspection of existing passenger launches
Owner shall follow up the sequences described below for substitution his/her launch to passenger launch:

1- Filling up the substitution application form and handing it over to the directorate of inspection and registration in port of registry (annex A).
2- Applying to one of the approved companies by P.S.O. for equipping his/her launch according to this instruction. The deficiencies shall be obviated according to this instruction and relevant checklist (annex B).
3- After the launch is equipped and receiving the report for modifications and repairs, the owner shall refer to one of the two contracting inspection companies with P.S.O., which has carried out initial and annual surveys on the vessel for obtaining the non-conditional seafaring worthiness certificate. It's clear that the sea worthiness certificate shall be issued only if the vessel fully complies with the safety code and present instruction.
4- During inspection the inspector of inspection company shall be satisfied that the hull, machinery, safety equipment for life saving, fire fighting equipments and navigational equipments are in proper working condition, additional to compliance with safety code and present instruction and fulfilling the relevant checklist (annex B).
5- For assurance of implementation of the regulation 4 of this article partially, inspector shall examine the vessel at least for one hour. The examination shall contain sea trial test outside of the harbor zone while engine is running at low, mid and full speed, straightforward and astern. The examination shall also contain test of rudder function. All the tests shall be recorded in inspection report annexed to certificate.

6- Captain and senior motorist shall be evaluated during the examination described in regulation 5 of this article. The conclusion shall be recorded in inspection report annexed to certificate.
7- The owner shall fill in the undertaking form (annex D) while applying for inspection. This form shall be completed in 4 issues and handed over to the inspection company. The distribution of the 4 issues is as following:

    1- Department of inspection and registry in port of registry
    2- Head office of the inspection company
    3- Branch of the inspection company which the examination ahs been performed there
    4- The owner.

Chapter 3
Requirements and equipments for passenger launches

Article 11- Requirements for condition of hull of passenger launches (additional to the safety code requirements)

1- Aft and for of engine room shall be provided with strengthened transversal bulkheads for preventing rapidly fire expansion and water leakage
2- The height of bulwark shall be at least 100cm for passenger launches (the plan in annex E shows it in general arrangement plan of launches of types Boom and Nako).
3- The freeboard of passenger launches shall be calculated and the load-line mark fixed according to the complementary instruction No.1 (Rules for calculating the freeboard for existing launches)
4- There must be a seat specified for each passenger on board the launch. (With assurance of the strength of the board) The seats shall be arranged in a form that passing of passengers in emergency situations will be performed in smooth and safety. By arranging the seats onboard, the balance of the launch shall be considered.
5- A barrier shall be fixed onboard the launch conjoining the (longitudinal) center line with a height of 100cm. The purpose of this barrier is prevention of unexpected movement of passengers. (While designing, construction and fixing the barrier the smooth and safe passenger traffic and cargo handling shall be considered.)
6- Setting the passengers onboard shall not restrict the visibility of the captain and his steering man.
7- Awnings shall be fitted on main board only if they do not restrict the visibility of captain and his steering man.
8- Passenger launches shall be equipped with proper and covered lavatory.

Article 12- Requirements of engine room and machinery of passenger launches (additional to the safety code requirements)

1- The main engine shall be a diesel type engine and its fuel shall have an inflammation point higher than 65°C.
2- The engine room shall be equipped with proper ventilation for prepare the air consumed by engine. It shall also be either equipped for exiting exhausting gases.
3- The environment surrounding the engine room door(s) shall be equipped with safeguards.
4- All gears and rotating components of main and auxiliary engines shall be covered to prevent accidentally involvement.

5- All hot (high temperature) components of main and auxiliary engines shall be isolated to prevent irritate and burn.

Article 13- Requirements of fuel tanks and bunkering (fuelling) of passenger launches

1- The fuel tanks shall be constructed tight and from proper raw material in essential dimensions. They shall also be fitted and secured in their location. There shall no لحيم نرم be used for prevention of leakage.
2- Provisional equipments and operation shall be considered for prevention of overflow of fuel tanks.
3- The bunkering operation shall not be performed while passengers are onboard. The bunkering cap shall be kept closed during the voyage.
4- Fuel tanks shall be impermeable against fuel. There shall no pipes and connections made from non-approved materials used in fuelling system. These pipes shall be metallic and without seam(s).
5- No miscellaneous capped or non-capped pots containing flammable substances shall be kept onboard.
6- An exit to outside of launch shall be provided for filled up gases caused by fuelling. The fuelling caps shall not be located on deck so that the deck woods will be smeared with fuel. The woods around the fuelling cap shall be covered with a metallic plate. A metallic tray can also be used.
7- A remote control (shut off valve) shall be provided for the fuel tanks. This remote shall be located in a place with less threat of fire.
8- High temperature pipes, especially engine exhaust(s) shall be isolated properly so that the isolation prevents the encounter of passengers or crew.

Article 14- Arrangement of passenger seats on the main board of passenger launch

1- Equipping company shall define proper area for affixing passengers seats with considering appropriate area for anchoring and other deck operation in forecastle deck and in cooperation with inspection company.
2- Arrangement and quantity of passengers seats on sides of the middle handrail shall be calculated by the following formula according to the annexed plan (annex E):
   A*1.7946 = Number of affix able seats on main deck and aft peak deck.
   A= The specified area for affixing passenger seats in Cubic meter (m2)
3- In all conditions the passenger seats shall be arranged in the way that passengers can easily and smooth move in emergency situations.

Article 15- Designation the place of affixing and specifications of life rings

Passenger launches subject to this instruction shall be equipped with at least 4 life rings. One shall be located at forecastle deck portside, another one on the starboard side. The 3rd and 4th shall be located on both sides of navigation bridge. At least 2 of these life rings shall be equipped with rope and proper length and battery operated lightings.

Article 16- Quantity and types of life jackets

The passenger launch shall be equipped with life jackets in quantity equal to number of passengers and crew. These life jackets shall be stored in a defined and marked location. The passengers shall be familiarized with the application and location of storage of these life jackets after boarding the

launch and prior to sailing. Additionally the launch shall be equipped with children size life jackets in a quantity equal to %10 of adult size life jackets.

Article 17- Telecommunication equipments (VHF) and hand held load speaker

1- The passenger launch shall be equipped with at least one installed VHF in proper working condition. In case of malfunction of this equipment the launch shall not be permitted to sail.
2- The passenger launch shall be equipped with a hand held and battery operated load speaker.

Article 18- Buoyant apparatus

According to the limited space onboard the passenger launches, these vessels shall be equipped with a rescue boat and life rafts with appropriate capacity.

Article 19- Fire fighting equipments

Each passenger launch shall be equipped at least with following fire-fighting appliances:

1- A movable engine pump (at least 2 inch with appropriate pressure), relevant hose with proper length according to the length of the launch. It shall also be equipped with a jet-nuzzle, a vapor and a multifunctional nuzzle.
2- 4 capsules of 6kgs CO2. One of these capsules shall be installed on forecastle, one in Navigation Bridge, and the 3rd on aft peak deck and the 4th in engine room.
3- 3 capsules of foam for extinguishing fires of type B (oil, gasoline, fuel oil, grease, lubricant and various coatings). One of these shall be located in engine room and the 2 others on aft peak deck.
4- 2 metallic bins, which a rope has been fixed to their handles. The purpose is using the seawater for fire extinguishing.

Article 20- First aid set

Passenger launches shall be equipped with 3 first aid sets, one oxygen capsule, breathing mask and a bran card additionally to the requirements described in safety code ratified by high council of *Organization*.

Article 21- Signs & navigational lights

Passenger launches must be equipped with appropriate and standard lightings for day and night according to the relevant regulations.

Article 22- Bell

All passenger launches shall be equipped with a bell with 100 decibels in the distance of 1 meters.

Chapter 4
Passenger jetties and their safety requirements

Article 23- Location of jetty

General directorates shall specify a location for the origins and destinations described in article 4 for berthing the passenger launches. These jetties must be located as close as possible to the port gates and equipped according to this instruction.

Article 24- Safety requirements of jetty

The specified jetties for berthing passenger launches shall comply with safety requirements described below:

1- The jetties must be equipped with handrails and fences for prevention of crash in water especially by children.
2- Equipped with at least 2 life rings.
3- Specified for passenger and passenger luggage. There shall no fuel pipe passed.
4- Equipped with a fire fighting station connected to the port water piping and a 20m hose, a two purpose nozzle and 2 bins of sand.
5- Equipped with a telephone line, not close to the jetty. The telephone numbers of fire department and emergency shall be noted on it.
6- A steel pontoon with dimensions: 15m in length, 3m in breadth and 1.5m in depth must be sided to passenger jetty. A stairway with a breadth of 1.5m and equipped with a hinge for rising up and moving down while tide and ebb-flux. This pontoon shall be equipped with handrails and fences to prevent crash in water. The surface of the deck of the pontoon shall be metallic and the surface of the stairway shall not be slippery.

Annex A

Requisition form for application for modification of fishing / cargo launch to passenger launch

To: Head of inspection and registration department
General Directorate of Ports & Shipping of … province

Subject: Modification of application of fishing / cargo launch with official No.: …… ,registered at ……to passenger launch

Dear sir,

I……fathers name……..holding ID card No…….. Issued in……..on behalf of myself as holder of…….shares of above mentioned launch and my partners (if there are any partners their particulars must be described below) apply for modification of the application of my launch according to the complementary instruction No.2 to safety code for construction, equipping and inspection of vessels. The above mentioned launch will carry passengers between port …….. and ……., vice versa.

Signature of applicant

Verification of partners (if any)

1- Name……Surname……father's name……
holding ID card No…… issued in……. holding…….. shares confirm my partners application.

Signature of partner

2- Name……Surname……father's name……
holding ID card No…… issued in……. holding…….. shares confirm my partners application.

Signature of partner

3- Name……Surname……father's name……
holding ID card No…… issued in……. holding…….. shares confirm my partners application.

Signature of partner

Annex B
Checklist for inspection of passenger launches

Inspection checklist

No.	Item to be checked	Yes	No	N/A
1	Is the exposed stem not broken?			
2	Are the ropes, anchor connections and their fitting without corrosion?			
3	Is a proper rope, chain or steel wire with a minimum length of 20m available onboard?			
4	Is the capstan in a proper working condition?			
5	Is the deck in good condition and without any hole or crack?			
6	Are the watertight hatch doors in proper condition (against influence of water)?			
7	Are the stairs to engine room in proper condition?			
8	Are the walls of galley covered with steel plate?			
9	Is the steering (rudder) control system in a good working condition?			
10	Are the bulwarks around all decks in good condition and without any crack or corrosion? Is their height proper according to the code for inspection of passenger launches?			
11	Is the free deck specified for passengers divided in two parts with a handrail located on (longitudinal) centerline?			
12	Is the hull in good condition and without any crack or corrosion and water tightness?			
13	Are the load line marks fixed on both sides of the launch? Is the freeboard calculated according to the safety code for construction, equipping and inspection of vessels?			
14	Do the navigation bridge, awning(s) and setting of passengers restrict the visibility of captain or steering man?			
15	Are proper navigation equipment considering to the operation area available on board the launch? Are they kept in a suitable place?			
16	Is there a magnetic compass in good working condition and without air bulb available onboard?			
17	Are there navigation lights according to international rules affixed with proper lighting angle and distance?			
18	Is there any hand held lantern for use in emergency provided?			
19	Are there appropriate life jackets according to the instruction for inspection of passenger launches onboard?			
20	Are the stands of the navigation lights black colored?			
21	Are there at least 4 life rings onboard marked with the port of registry and official no.?			
22	Is there a rescue / search boat according to the instruction of inspection of passenger launches available onboard? Is this boat easy to use (launching in water, rising up and general			

	use)?			
No.	Item to be checked	Yes	No	N/A
23	Is the vessel equipped with 4 6kgs CO2 capsules and 3 foam capsules? Are these capsules regularly inspected? Are they located according to instruction to inspection of passenger launches?			
24	Are the crew familiar with how to apply the fire fighting equipments?			
25	Is the vessel equipped with a operational VHF?			
26	Are the official No. plates fixed on both sides of the navigation bridges?			
27	Is there a proper and standard flag of the Islamic Republic of Iran available onboard?			
28	Is the main engine observationally in good condition? Is the working condition tested by start for running?			
29	Are tanks, fuelling and lubricating piping without any leakage? Is the safety factor considered in the arrangement of their locations?			
30	Are the connections and valves from tank(s) to engine(s) without any leakage?			
31	Is the wiring of the engine room and other areas inspected and in good working condition?			
32	Is (are) the engine exhausts properly installed and isolated?			
33	Is the bilge equipped with evacuation pump?			
34	Are the shaft, propeller and accessories in engine (steering) room in good working condition?			
35	Is the astern watertight?			
36	Are the internal areas of vessel watertight?			
37	Are there any general stair and related rope provided?			
38	Are the gas capsules in galley properly secured?			
39	Are oily substances such as paints, toner and other flammables stored and secured in a safe place?			
40	Are there any specified navigational equipments installed onboard the vessel? (Please specify)			
41	Are there informing equipments for emergency situations provided onboard?			
42	Is the control of main engine properly available from navigation bridge?			
43	Are the dry dock repairs carried out regularly?			
44	Are deck(s) and hull of launch properly oiled?			
45	Is the engine room separated by properly bulkheads?			
46	Is the engine room equipped with emergency exits according to the code and complementary instruction No.2?			
47	Is the ground of engine room in good condition, non-slipper and cleanness?			
48	Are the batteries in engine room properly located and secured?			

49	Are the 3 first aid sets with necessary drugs, 1 oxygen capsule and bran card for emergency situations provided onboard?			
No.	Item to be checked	Yes	No	N/A
50	Is the fire extinguisher pump located and secured in a proper location? Is it equipped with appropriate caps in different locations onboard the launch?			
51	Are captain and crew holding relevant certificates regarding to their jobs? Is the launch manned as certificate?			
52	Is the launch equipped with deep meter or marked bolt in proper length?			
53	Are the rotating or moving components covered with protective?			
54	Are there any major modifications made to hull and machinery in compare to last inspection?			
55	Is the launch equipped with navigation bridge and engine room log books?			
56	Are the fire fighting and safety equipments marked with official No. and port of registry?			