



To : Ship Owners, Ship Managers, Ship Operators & Surveyors

From : General Manager
ISClass

Date : 21 April 2011

Ref: CIR 11/006

Subject: **SUBMISSION OF PLANS AND DOCUMENTS**

All ships except unmanned steel barges, submersibles and work boats that are intended to be class with ISClass are subjected to either one of the following:

- i. Classification for New Construction
- ii. Classification for Entry Into Class (IACS & Sea Going Vessels)
- iii. Classification for Entry Into Class (ZC vessels)

“New Construction” is surveying ships that are built in accordance with the Rules and Regulation of ISClass from keel laying to delivery of the ships.

“Entry Into Class: is surveying ships that have already being built under a different classification society or is in the final stage of building under a different classification Society. The acceptance of such kind of ships will be decided by the Board of Directors on the recommendation of the General Manager ISClass, Head Office.

The plans and documents to be submitted for approval are as follows:-

1. New Construction (For Approval)

- i. Plans/Drawings
 - a. Lines Plan – For Information
 - b. General Arrangement – For Information
 - c. Midship section
 - d. Stern including stern frame, propeller post and rudder.
 - e. Construction profile to include watertight bulkheads, oil tight bulkheads, load draught, transverse sections, longitudinal sections at centreline.
 - f. Deck plans which include construction of hatchways and hatch beams

- g. Single and double bottom constructional details
- h. Superstructures and bulkheads
- i. Pillars and deck girders
- j. Shell expansion plans
- k. Shaft tunnel (if any)
- l. Seating of boiler, engines, plummer blocks including holding down arrangement
- m. Pumping arrangement (indicating capacity of all tanks including water and oil)
- n. Fire protection construction including the fire retardant material used
- o. Plans showing escape routes including their details.
- p. Fire-Extinguishing Plans including fixed and portable arrangement
- q. Plans for access (for forepeak tank, deep tanks, cofferdam, cargo holds, cargo tanks, bilge hopper etc.
- r. Navigation bridge visibility
- s. Venting systems for tankers
- t. Machinery arrangement for machinery spaces
- u. Main and auxiliary engines including their attachment
- v. Power transmission gears, shafting and propellers
- w. Boilers, incinerators and pressure vessels
- x. Steering gear
- y. Auxiliary machineries and piping
- z. Electrical installation

ii. Documents

- a. Stability information
- b. Damage stability information, damage control plans
- c. Tonnage calculation
- d. Operation manuals – those carrying dangerous chemical in bulk
- e. Emergency Towing Arrangement
- f. Inert Gas System
- g. SOPEP, SMPEP

For ships like gas carriers or special purpose vessels, General Manager ISClass will advise the attending surveyors and clients accordingly.

2. Entry into Class (Noted for Information) For IACS Class Sea-Going Vessels

The plans and documents to be submitted for review are as follows:-

i. Plans and Drawings

- a. General Arrangement
- b. Midship Sections
- c. Construction Profile
- d. Shell expansion
- e. Piping arrangement
- f. Rudder arrangement
- g. Stern Frame
- h. Fire fighting arrangement

- i. Particulars of machinery and their arrangement in the machinery space
- j. Boiler and its fitting
- k. Power transmission systems such as reduction gear, intermediate shafts, propeller shafts, stern tube bearing, stern tube sealing device and propeller
- l. Torsional vibration calculation
- m. Stability and Damage stability information
- n. Steering gears
- o. Copies of all previous trading certificates and class certificates
- p. Sea trial reports
- q. Previous ship inspection reports

ii. Documents

- a. Stability information
- b. Damage stability information, damage control plans
- c. Tonnage calculation
- d. Operation manuals – those carrying dangerous chemical in bulk
- e. Emergency Towing Arrangement
- f. Inert Gas System
- g. SOPEP, SMPEP

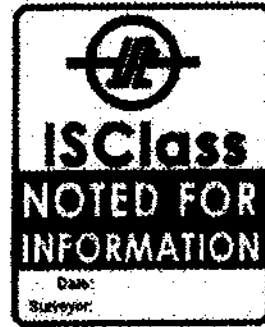
All the above drawings, plans and documents will be very useful when we class a vessel under ISClass.

We acknowledge that in some instances, some of these will not be available for review especially those vessels which come into the class just before delivery. For such cases please provide the list of items that are not available to your respective head of departments to be forwarded to Head Office for review. **Please understand the absence of some documents can constitute a detention by PSC which we must educate the owners to avoid.**

3. In the case of new buildings, upon approving the plans/drawings, you are required to stamp "Approved" using the new ISClass Stamp.

In the case of ships already constructed under a different class, the reviews and examination of the drawings (except Intact Stability, Damage Stability, SOPEP, SMPEP,SSP,etc) if carried out shall be stamped with " Noted For Information". In the event that the submitted plans and drawings lack information, on-board inspection may be required.

The stamps are illustrated as below:



3. Entry into Class (ZC Vessels)

iii. Plans/Drawings

- a. Lines Plan – For Information
- b. General Arrangement – For Information
- c. Midship section
- d. Stern including stern frame, propeller post and rudder.
- e. Construction profile to include watertight bulkheads, oil tight bulkheads, load draught, transverse sections, longitudinal sections at centreline.
- f. deck plans which include construction of hatchways and hatch beams
- g. Single and double bottom constructional details
- h. Superstructures and bulkheads
- i. Pillars and deck girders
- j. Shell expansion plans
- k. Shaft tunnel (if any)
- l. Seating of boiler, engines, plummer blocks including holding down arrangement
- m. Pumping arrangement (indicating capacity of all tanks including water and oil)
- n. Fire protection construction including the fire retardant material used
- o. Plans showing escape routes including their details.
- p. Fire-Extinguishing Plans including fixed and portable arrangement
- q. Plans for access (for forepeak tank, deep tanks, cofferdam, cargo holds, cargo tanks, bilge hopper etc.
- r. Navigation bridge visibility
- s. Venting systems for tankers
- t. Machinery arrangement for machinery spaces
- u. Main and auxiliary engines including their attachment
- v. Power transmission gears, shafting and propellers
- w. Boilers, incinerators and pressure vessels
- x. Steering gear
- y. Auxiliary machineries and piping
- z. Electrical installation

iv. Documents

- a. Stability information
- b. Damage stability information, damage control plans
- c. Tonnage calculation
- d. Operation manuals – those carrying dangerous chemical in bulk
- e. Emergency Towing Arrangement
- f. Inert Gas System
- g. SOPEP, SMPEP

For ships like gas carriers or special purpose vessels, General Manager ISClass will advise the attending surveyors and clients accordingly.