



# HRVATSKI REGISTAR BRODOVA CROATIAN REGISTER OF SHIPPING

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## REQUEST FOR CLASS ENTRY FOR

m/v \_\_\_\_\_, IMO No. \_\_\_\_\_

(please return the copy of this request, with duly completed page 2, directly to CRS Head Office, Coordination Division, fax No. + 385 21 35 81 59 or e-mail: [tech.coord@crs.hr](mailto:tech.coord@crs.hr))

Referring to request for classification of subject vessel with the **CROATIAN REGISTER OF SHIPPING** (hereinafter referred to as: CRS) please be informed that the process of the classification of the vessel is to comply with IACS PR1D requirements (procedure for class entry of ships not subject to IACS PR1A or PR1B).

For that purpose of class entry the following requirements are to be fulfilled:

### 1. Conditions for accepting the ship into CRS class:

1. All relevant surveys as specified in item 3 are to be satisfactorily completed.
2. The plan submittal (according to the list of technical documentation specified in item 2) and appraisal requirements for classification by CRS is a prerequisite to obtaining and Interim Certificate of Class or full term Certificate of Class.
3. Interim Certificate of class or full term Certificate of Class can be issued only after CRS has satisfactorily completed all required plan appraisal and surveys.

2. Copies of the following technical documentation are to be provided to CRS in order to verify compliance of the ship with the applicable requirements of CRS Rules for the classification of ships, as a prerequisite to obtaining a full term Certificate of Class:

1. Main documentation and documentation related to hull:
  - a) general arrangement,
  - b) capacity plan,
  - c) hydrostatic curves, and ship's body lines,
  - d) loading manual, where required,
  - e) damage stability calculation, where applicable,
  - f) midship section,
  - g) scantling plan,
  - h) decks,
  - i) shell expansion,
  - j) transverse bulkheads,
  - k) rudder and rudder stock,
  - l) hatch covers,
  - l) stern frame.
2. Documentation related to machinery:
  - a) machinery arrangement,
  - b) intermediate, thrust and screw shafts,
  - c) propeller,
  - d) main engines, propulsion gears and clutch systems (or manufacturer make, model and rating information),
  - e) for steam turbine vessels, main boilers, superheaters and economisers (or manufacturer make, model and rating information) and steam piping,
  - f) bilge and ballast piping diagram,
  - g) wiring diagram,
  - h) steering gear systems piping and arrangements and steering gear manufacturer make and model information.
3. Torsional vibration calculations:
  - a) for ships less than two years old torsional vibration calculations are to be submitted.
4. Additional documentation for ships with ice class notation:
  - a) plans for flexible couplings and/or torque limiting shafting devices in the propulsion line shafting (or manufacturer make, model and rating information).

### 5. Additional documentation for oil tankers:

- a) pumping arrangement at the forward and after ends and drainage of cofferdams and pump rooms,
- b) general arrangements of cargo piping in tanks and on decks.

### 6. Additional documentation for ships with unattended machinery space:

- a) instrument and alarm list,
- b) fire alarm system,
- c) list of automatic safety functions (e.g. slowdowns, shutdowns, etc.),
- d) function testing plan.

### 3. Class entry survey of the ship is to be performed to the following extent:

1. Special survey of hull, including thickness measurement
2. Dry-docking survey
3. Special survey of machinery
4. Tailshaft survey(s)
5. Boiler survey(s) and pressure vessel survey(s)

CRS may request further examinations, tests and measurements, including, but not limited to material testing, non-destructive testing, hydraulic and hydrostatic tests and sea-trials, if deemed necessary.

4. When the ship has, during any portion of the five years prior to the request for the classification, has been previously classed either by IACS member class society, or a class society subject to verification of compliance with QSCS at the time it classed the ship, then the survey requirements may be specially considered but are not to be less than:

### 1. Survey of hull:

- i) for vessels of age **less than 5 years** the survey is to take the form of an Annual Survey;
- ii) for vessels between 5 and 10 years of age the survey is to include an Annual survey and inspection of a representative number of ballast spaces;
- iii) for vessels of **10 years of age and above but less than 20 years** of age, the survey is to include an Annual survey and inspection of a representative number of ballast spaces and cargo spaces;
- iv) for vessels subject to UR Z10.1, Z10.2, Z10.3, Z10.4 or Z10.5 which are **15 years of age and above but less than 20 years** of age, the survey is to have the scope of a Special Survey or an Intermediate Survey, whichever is due next;
- v) for all vessels, which are **20 years of age and above**, the survey is to have the scope of a Special Survey;
- vi) in lieu of the requirements i) through v), the following apply for site specific purpose-built Floating Production and/or Storage Vessels:
  - for vessels of age less than 5 years, the survey is to have the scope of an Annual survey;
  - for vessels of age between 5 and 10 years, the survey is to include an Annual Survey and inspection of

- twenty percent of ballast spaces and twenty percent of cargo spaces;
  - for vessels of age between 10 and 20 years, the survey is to include and Annual survey and inspection of twenty percent of ballast spaces and twenty percent of cargo spaces;
  - for vessels over 20 years of age, the survey is to have the scope of a Special survey.
- vii) for site specific purpose-built Floating Production and/or Storage Vessels which have been converted from other vessels, the survey is to take the form of an Annual Survey and is to include inspection of twenty percent of ballast spaces and twenty percent of cargo spaces until 20 years have elapsed since conversion. After 20 years the survey is to have the scope of a Special Survey.
- viii) in the context of applying items iv) and v) above, if a dry-docking of the vessel is not due at the time of transfer, consideration can be given to carrying out an underwater examination in lieu of dry-docking.
- ix) in the context of applying items i) to viii) above, as applicable,
  - if the class entry survey is to be credited as a periodical survey for maintenance of class consideration may be given by the gaining society to the acceptance of thickness measurements taken by the losing society provided they were carried out within the applicable survey window of the periodical survey in question.
  - if the class entry survey is not to be credited as a periodical survey for maintenance of class, consideration may be given by the gaining society to the acceptance of thickness measurements taken by the losing society provided they were carried out within 15 months prior to completion of class entry survey when it is in the scope of a Special Survey, within 18 months prior to completion of class entry survey when it is in the scope of an Intermediate Survey.

In both cases, the thickness measurements are to be reviewed by the gaining society for compliance with the applicable survey requirements, and confirmatory gauging are to be taken to the satisfaction of the gaining society.
- x) In the context of applying iii) to viii) above, as applicable, tank testing for vessels over 15 years of age is not required to be carried out as part of the class entry survey unless the class entry survey is being credited as a periodical survey for maintenance of class. If the class entry survey is to be credited as periodical survey for maintenance of class, consideration may be given by the gaining society to the acceptance of the tank testing carried out by the losing society, provided they were carried out within the acceptable survey window of the periodical survey in question.

- xi) In the context of applying i) to viii) above, as applicable, compliance with IACS Unified Requirements that require compliance at the forthcoming due periodical surveys (such as S26 and S27) are not required to be carried out/completed as part of the class entry survey unless the class entry survey is credited as a periodical survey for maintenance of class.
2. Survey of machinery installation, general examination of all essential machinery shall be held comprising the following:
    - a) examination under working conditions of oil fuel burning equipment, boilers, economisers and steam/steam generators. The adjustment of safety valves of this equipment is to be verified by checking the records on the vessel,
    - b) all pressure vessels,
    - c) insulation resistance, generator circuit breakers, preference tripping relays and generator prime mover governors shall be tested and paralleling and load sharing to be proved,
    - d) in all cases, navigation lights and indicators shall be examined working and alternative source of power verified,
    - e) bilge pumps, emergency fire pumps and remote controls for oil valves, oil fuel pumps, lubricating oil pumps and forced draught fans are to be examined under working conditions,
    - f) recirculating and ice clearing arrangements, if any,
    - g) the main and all auxiliary machinery necessary for operation of the ship at sea together with essential controls and steering gear shall be tested under working conditions. Alternative means of steering shall be tested. A short sea trial should be held at the discretion of CRS if the vessel has been laid up for a long period,
    - h) initial start arrangements shall be verified,
    - i) in the case of oil tankers, the cargo oil system and electrical installation in way of dangerous spaces shall be checked for compliance with the Rules of CRS. Where intrinsically safe equipment is installed, CRS shall satisfy himself that such equipment has been approved by the organisation recognised by CRS. The safety devices, alarms and essential instruments of inert gas system shall be verified and the plant generally examined to ensure that it does not constitute a hazard to the vessel.
  5. These requirements are applicable for the classification of the vessel only. Additional surveys and / or documentation may be necessary according to Flag State requirements.

6. For any additional information please contact CRS Head Office, Split, Croatia, Coordination Division, phone No. + 385 21 408 148, fax No. + 385 21 35 81 59, E-mail: [tech.coord@crs.hr](mailto:tech.coord@crs.hr).

<b>REQUEST FOR CLASS ENTRY</b>	
Name of the vessel:	IMO No.:
Proposed flag:	
Company's name and address:	
Name of the representative and position with the Owners (Managers):	
Date, stamp and the signature:	
<i>With filling-in of this request, above-signed agrees to comply and declares to be aware of IACS PRID requirements as stated in this document and to class subject ship with Croatian Register of Shipping.</i>	