

KEY TO THE REGISTER OF SHIPS

GENERAL DATA

Manager - name of the Manager is given. In the case that there is no indication of the Manager it is presumed that the Owner is also the Manager of the ship

IMO Number - a unique seven digit identification number assigned to the ship according to IMO Res. A.600(15)

Call sign - call sign of the ship's radio station assigned by the Maritime Administration of the state whose flag the ship is entitled to fly

Ex name, year and month of name change - (if any). Only the last (former) and first (original) name is given, followed by the year of change

Ship type - type of the ship according to the CRS' Rules for Technical Supervision of Sea-going Ships indicating the specific purpose of the ship serving as information only. As a ship type the following may be assigned:

Crane ship	Floating dock
Cement carrier	Floating restaurant
General cargo ship	Submarine pipeline
Supply vessel	Pontoon marina
Refrigerated cargo ship	Pontoon bridge
Bulk carrier	Dump barge
Ore carrier	Passenger ship
Live stock carrier	Fishing vessel
LPG carrier	Ro-Ro passenger ship
LNG carrier	Ro-Ro cargo ship
Fixed offshore platform	Self-unloading hopper barge
Research vessel	Training ship
Yacht	Chemical tanker
Dredger	Tanker for non-toxic liquid cargo
Ship used by Authorities	Product carrier
Split hopper barge	Oil tanker
Container ship	Barge-solid bulk cargo in cargo holds
Floating crane	Barge-liquid bulk cargo in cargo tanks
Floating power plant	Tug
Floating storage	Multipurpose vessel

Navigation area - Irrespectively whether a ship is classed with CRS or not, character denoting navigation area is always given. Navigation area notation is a number denoting permissible navigation area of the ship. CRS may assign appropriate character denoting navigation area for the geographical areas different from those stated below, if CRS considers that the sea conditions, distance from the nearest coast, or distance from the nearest port of refuge are equivalent to the geographical areas stated below. In that case appropriate restrictions will be entered into ship's files. Following characters may be assigned:

1 - *UNRESTRICTED SERVICE* - international ocean-going service navigation in all seas and waters accessible from the sea

2 - GREAT COASTAL SERVICE - international navigation in the seas (and waters accessible from the sea) extending between Gibraltar and Babb el Mandeb straits, including the Black and Azov seas and out of Mediterranean sea to the ports of Lisbon and Casablanca in the Atlantic ocean, and the Red sea to the ports of Aden and Berbera

3 - SHORT COASTAL SERVICE - international navigation in the Adriatic sea and in part of the Jonian sea (and waters accessible from the sea) to the line connecting Cape Santa Maria di Leuca (including the port of Taranto) and the Cape of Catacolo (including the port of Catacolo), Jonian islands and bays: of Patras, of Corinth (including the Corinth channel) and of Athens up to the line connecting capes of Kolona and Skilli

4 - COASTAL SERVICE IN THE ADRIATIC SEA - international navigation through the Adriatic sea (and waters accessible from the sea) up to the line connecting Cape of Santa Maria di Leuca and Cape Kefali on island Corfu and Cape of Scala (near Butrin bay), during which the ship shall navigate at the distance not more than 20 nautical miles from the nearest coast, land or island. When planning the voyage between eastern and western coast of the Adriatic sea, the terms coast, land or island do not include coasts of islands Palagruža, Galuila, Pianosa, islands of Tremiti, island Sazan and coast of Albania from the Cape of Gjuhës (Sqepi i Gjuhës) to the Cape of Panormes (Sqepi i Panormes)

5 - NATIONAL SERVICE - internal sea water navigation and navigation in territorial sea of the Republic of Croatia and waters accessible from the sea

6 - NATIONAL COASTAL SERVICE - navigation in internal sea waters of the Republic of Croatia (and waters accessible from the sea) as prescribed by the Maritime Code of the Republic of Croatia. Within the time period from 1st April till 31st October this area is enlarged to:

- i) navigation within 1.5 nautical miles from the base line in direction of the economic line
- ii) navigation through Channel of Vis to islands of Vis and Biševo, then close to the said islands navigating at the distance not more than 1.5 nautical miles from their coasts

7 - NATIONAL COASTAL SERVICE IN SHELTERED SEAS - navigation in sheltered areas of internal sea waters of the Republic of Croatia and waters accessible from the sea, as follows: through channels of Fažana, Zadar, Srednji Pašman, Vrgada, Murter, Šibenik, Split, Brač, Hvar, Neretva, Ston and Koločep as well as Pirovac Bay

8 - SERVICE IN ENCLOSED SEA AREAS - navigation in ports, bays, river mouths and lakes, such as: Bay of Lim, Bay of Raša, Bay of Kaštela, Bay of Klek-Neum, Lake of Prokljan (including mouths of Krka River to the Cape of Jadrija), Rijeka Dubrovačka and River Neretva [no notation] - for non-movable units permanently moored, anchored, based on the sea-bed or buried below the sea floor no navigation area notation is assigned

MAIN TECHNICAL DATA

TMC 69 gross tonnage (GT) - gross tonnage of the ship in accordance with the requirements of the International Convention on tonnage Measurement of Ships, 1969

TMC 69 net tonnage (NT) - net tonnage of the ship in accordance with the requirements of the International Convention on tonnage Measurement of Ships, 1969

Gross register tonnage (BRT) - gross register tonnage of the ship in accordance with regulations adopted prior to the coming into force of International Convention on Tonnage Measurement of Ships, 1969

Net register tonnage (NRT) - net register tonnage of the ship in accordance with regulations adopted prior to the coming into force of International Convention on Tonnage Measurement of Ships, 1969

CLASSIFICATION

Hull main class notation - main characters of class for hull denoting supervision during construction and quality of hull. Following characters of class may be assigned:

Character of class denoting supervision during construction

★ - denotes that the hull has been built under the supervision of CRS and in accordance with CRS' Rules, or that the hull has been built under supervision of another classification society on behalf of CRS and in accordance with CRS' Rules

★ - denotes that the hull has been built according to the rules and under supervision of another classification society

[no notation] - if the hull has been built without supervision of CRS or any other classification society no symbol is assigned

Character of class denoting quality of hull for hull made of metallic materials

100A1 - is to be assigned to a ship intended for navigation in navigation areas **1** or **2** if the general condition found by survey fully complies with requirements of CRS' Rules. For this character a five year class term is required

100A2 - is to be assigned to a ship intended for navigation in navigation areas **1** or **2**, but whose construction, building material, age (in general ships 20 years of age and over) and general condition found by survey do not comply or do not fully comply with requirements of CRS' Rules. Regarding this class term not exceeding four years may be required

90A1- is to be assigned to a ship intended for navigation in navigation areas **3** or **4** if the general condition found by survey fully complies with requirements of CRS' Rules. For this character a five year class term is required

90A2- is to be assigned to a ship intended for navigation in navigation areas **3** or **4**, but whose construction, building material, age (in general ships 20 years of age and over) and general condition found by survey do not comply or do not fully comply with requirements of CRS' Rules. Regarding this class term not exceeding four years may be required

50A1- is to be assigned to a ship intended for navigation in navigation areas **5**, **6**, **7** or **8** if the general condition found by survey fully complies with requirements of CRS' Rules. For this character a five year class term is required

50A2- is to be assigned to a ship intended for navigation in navigation areas **5**, **6**, **7** or **8**, but whose construction, building material, age (in general ships 20 years of age and over) and general condition found by survey do not comply or do not fully comply with requirements of CRS' Rules. Regarding this class term not exceeding four years may be required

Character of class denoting quality of hull for hull made of non-metallic materials

90B1- is to be assigned to a ship intended for navigation in navigation areas **3** or **4** if the general condition found by survey fully complies with requirements of CRS' Rules. For this character a five year class term is required

90B2- is to be assigned to a ship intended for navigation in navigation areas **3** or **4**, but whose construction, building material, age (in general ships 20 years of age and over) and general condition found by survey do not comply or do not fully comply with requirements of CRS' Rules. Regarding this class term not exceeding four years may be required

50B1- is to be assigned to a ship intended for navigation in navigation areas **5**, **6**, **7** or **8** if the general condition found by survey fully complies with requirements of CRS' Rules. For this character a five year class term is required

50B2- is to be assigned to a ship intended for navigation in navigation areas **5**, **6**, **7** or **8**, but whose construction, building material, age (in general ships 20 years of age and over) and

general condition found by survey do not comply or do not fully comply with requirements of CRS' Rules. Regarding this class term not exceeding four years may be required

Ice strengthening - class notation regarding strengthening for navigation in ice. Following characters of class may be assigned:

1AS - this strengthening is for ships intended to navigate in first year ice conditions equivalent to unbroken level ice with a thickness of 1.0 m

1A - this strengthening is for ships intended to navigate in first year ice conditions equivalent to unbroken level ice with thickness of 0.8 m

1B - this strengthening is for ships intended to navigate in first year ice conditions equivalent to unbroken level ice with thickness of 0.6 m

1C - this strengthening is for ships intended to navigate in first year ice conditions equivalent to unbroken level ice with thickness of 0.4 m

1D - this strengthening is for ships intended to navigate in light first year ice conditions in areas other than the Northern Baltic

Ship type (in respect to classification) - additional character of class denoting ship type. Following characters of class may be assigned:

Crane ship

Cement carrier

General cargo ship

Supply vessel

Refrigerated cargo ship

Bulk carrier

Ore carrier

Ore/oil carrier

Live stock carrier

OBO carrier

Research vessel

Yacht

Dredger

Ship used by Authorities

Split hopper barge

Container ship

Floating crane

Floating storage

Floating dock

Floating restaurant

Dump barge

Passenger ship

Fishing vessel

Ro-Ro passenger ship

Ro-Ro cargo ship

Self-unloading hopper barge

Training ship

Chemical tanker

Tanker for non-toxic liquid cargo

Product carrier

Oil tanker

Barge-solid bulk cargo in cargo holds

Barge-liquid bulk cargo in cargo tanks

Tug

Multipurpose vessel

Hull additional class notations - additional characters of class denoting ship's additional constructional characteristics. Following characters of class may be assigned:

CAR - carriage of cars

CON - carriage of containers

ESP - Enhanced Survey Programme

EXP - experimental hull / hull equipment

FIR - fire fighting equipment

GRC - grain carriage

HCS - heavy cargo strengthened

HME - holds may be empty, followed by numbers of cargo holds that may be empty (e.g. if cargo holds 1, 3 and 5, or 2 and 4 may be empty than it is presented like this: **HME 1,3,5/2,4**)

IWS - in-water survey

TOD - timber on deck

S - intact stability

SD - damage stability

Machinery main class notations - main characters of class for machinery denoting supervision during construction and quality of machinery. Following characters of class may be assigned:

Character of class denoting supervision during construction

★ - denotes that the machinery installation has been built under the supervision of CRS and in accordance with CRS' Rules, or that the machinery installation has been built under supervision of another classification society on behalf of the CRS and in accordance with CRS' Rules

★ - denotes that the machinery installation has been built according to the rules and under supervision of another classification society

[no notation] - if the machinery installation has been built without supervision of CRS or any other classification society no symbol is assigned

Character of class denoting quality of machinery installation:

M1 - this character of class is to be assigned to a ship if main propelling and essential auxiliary engines are fully complying with requirements of CRS' Rules. For this character of class a five years class term is required

M2 - this character of class is to be assigned to a ship if main propelling and essential auxiliary engines because of age and general condition found by survey are not, or are not fully complying with requirements of CRS' Rules. Regarding this class term not exceeding four years may be required

EXP - this character of class is to be assigned to a ship which machinery installation is constructed in accordance with design, for which sufficient experience is not available

Machinery additional class notations - additional characters of class for machinery. Following characters of class may be assigned:

COW - crude oil washing system

IGS - inert gas system

AUT 1 - is to be assigned to a ship having automation level not requiring attended machinery spaces and control room

AUT 2 - is to be assigned to a ship having automation level not requiring attended machinery spaces but requiring attended control room

AUT 3 - is to be assigned to a ship having total machinery output not exceeding 1500 kW and automation level requiring unattended machinery spaces

Refrigerating plant class notations - characters of class for refrigerating plant. Following characters of class may be assigned:

Character of class denoting supervision during construction

★**R** - denotes that refrigerating plant has been built under the supervision of CRS and in accordance with CRS' Rules, or that the refrigerating plant has been built under supervision of another classification society on behalf of the CRS and in accordance with CRS' Rules

★ **R** - denotes that the refrigerating plant has been built according to the rules and under supervision of another classification society

[no notation] - if the refrigerating plant has been built without supervision of CRS or any other classification society no symbol is assigned

Additional character of class denoting ability of the refrigerating plant

+ - this character of class is assigned to a ship having the refrigerating plant with a cooling capacity sufficient to reduce on board the temperature of non-pre-cooled cargo during a period of time, providing preservation of the cargo

C - this character of class is assigned to a ship having the refrigerating plant with a cooling capacity sufficient to deliver pre-cooled air of the required temperature to refrigerated cargo containers during a period of time, providing preservation of the cargo

MACHINERY

Type and number of main propulsion engines - type of main propelling engine(s). The following abbreviations may be applied:

DIES,2T-1-diesel, two stroke, single acting

DIES,2T-2-diesel, two stroke, double acting

DIES,4T-1-diesel, four stroke, single acting

EP-electrically powered

PA-steam turbine

PL-gas turbine

Boilers: number, type, pressure (MPa) - auxiliary boilers, number and type with pertinent working pressure (MPa) given separately for each group of boilers. The following abbreviations may be applied:

LP-exhaust gas boiler

LK-combined boiler

LU-oil fired boiler
