



Marine & Offshore Division
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Rules for the Classification of Harbour Equipment

- PART A - Classification and Surveys**
- PART B - Hull and Stability**
- PART C - Machinery, Systems and Electricity**
- PART D - Additional Requirements for Notations**

November 2015

**Rule Note
NR 612 DNI R00 E**



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MARINE & OFFSHORE DIVISION

GENERAL CONDITIONS

ARTICLE 1

1.1. - BUREAU VERITAS is a Society the purpose of whose Marine & Offshore Division (the "Society") is the classification ("Classification") of any ship or vessel or offshore unit or structure of any type or part of it or system therein collectively hereinafter referred to as a "Unit" whether linked to shore, river bed or sea bed or not, whether operated or located at sea or in inland waters or partly on land, including submarines, hovercrafts, drilling rigs, offshore installations of any type and of any purpose, their related and ancillary equipment, subsea or not, such as well head and pipelines, mooring legs and mooring points or otherwise as decided by the Society.

The Society:

- "prepares and publishes Rules for classification, Guidance Notes and other documents ("Rules");
- "issues Certificates, Attestations and Reports following its interventions ("Certificates");
- "publishes Registers.

1.2. - The Society also participates in the application of National and International Regulations or Standards, in particular by delegation from different Governments. Those activities are hereafter collectively referred to as "Certification".

1.3. - The Society can also provide services related to Classification and Certification such as ship and company safety management certification; ship and port security certification, training activities; all activities and duties incidental thereto such as documentation on any supporting means, software, instrumentation, measurements, tests and trials on board.

1.4. - The interventions mentioned in 1.1., 1.2. and 1.3. are referred to as "Services". The party and/or its representative requesting the services is hereinafter referred to as the "Client". The Services are prepared and carried out on the assumption that the Clients are aware of the International Maritime and/or Offshore Industry (the "Industry") practices.

1.5. - The Society is neither and may not be considered as an Underwriter, Broker in ship's sale or chartering, Expert in Unit's valuation, Consulting Engineer, Controller, Naval Architect, Manufacturer, Ship-builder, Repair yard, Charterer or Shipowner who are not relieved of any of their expressed or implied obligations by the interventions of the Society.

ARTICLE 2

2.1. - Classification is the appraisal given by the Society for its Client, at a certain date, following surveys by its Surveyors along the lines specified in Articles 3 and 4 hereafter on the level of compliance of a Unit to its Rules or part of them. This appraisal is represented by a class entered on the Certificates and periodically transcribed in the Society's Register.

2.2. - Certification is carried out by the Society along the same lines as set out in Articles 3 and 4 hereafter and with reference to the applicable National and International Regulations or Standards.

2.3. - It is incumbent upon the Client to maintain the condition of the Unit after surveys, to present the Unit for surveys and to inform the Society without delay of circumstances which may affect the given appraisal or cause to modify its scope.

2.4. - The Client is to give to the Society all access and information necessary for the safe and efficient performance of the requested Services. The Client is the sole responsible for the conditions of presentation of the Unit for tests, trials and surveys and the conditions under which tests and trials are carried out.

ARTICLE 3

3.1. - The Rules, procedures and instructions of the Society take into account at the date of their preparation the state of currently available and proven technical knowledge of the Industry. They are a collection of minimum requirements but not a standard or a code of construction neither a guide for maintenance, a safety handbook or a guide of professional practices, all of which are assumed to be known in detail and carefully followed at all times by the Client.

Committees consisting of personalities from the Industry contribute to the development of those documents.

3.2. - The Society only is qualified to apply its Rules and to interpret them. Any reference to them has no effect unless it involves the Society's intervention.

3.3. - The Services of the Society are carried out by professional Surveyors according to the applicable Rules and to the Code of Ethics of the Society. Surveyors have authority to decide locally on matters related to classification and certification of the Units, unless the Rules provide otherwise.

3.4. - The operations of the Society in providing its Services are exclusively conducted by way of random inspections and do not in any circumstances involve monitoring or exhaustive verification.

ARTICLE 4

4.1. - The Society, acting by reference to its Rules:

- "reviews the construction arrangements of the Units as shown on the documents presented by the Client;
- "conducts surveys at the place of their construction;
- "classes Units and enters their class in its Register;
- "surveys periodically the Units in service to note that the requirements for the maintenance of class are met.

The Client is to inform the Society without delay of circumstances which may cause the date or the extent of the surveys to be changed.

ARTICLE 5

5.1. - The Society acts as a provider of services. This cannot be construed as an obligation bearing on the Society to obtain a result or as a warranty.

5.2. - The certificates issued by the Society pursuant to 5.1. here above are a statement on the level of compliance of the Unit to its Rules or to the documents of reference for the Services provided for. In particular, the Society does not engage in any work relating to the design, building, production or repair checks, neither in the operation of the Units or in their trade, neither in any advisory services, and cannot be held liable on those accounts. Its certificates cannot be construed as an implied or express warranty of safety, fitness for the purpose, seaworthiness of the Unit or of its value for sale, insurance or chartering.

5.3. - The Society does not declare the acceptance or commissioning of a Unit, nor of its construction in conformity with its design, that being the exclusive responsibility of its owner or builder.

5.4. - The Services of the Society cannot create any obligation bearing on the Society or constitute any warranty of proper operation, beyond any representation set forth in the Rules, of any Unit, equipment or machinery, computer software of any sort or other comparable concepts that has been subject to any survey by the Society.

ARTICLE 6

6.1. - The Society accepts no responsibility for the use of information related to its Services which was not provided for the purpose by the Society or with its assistance.

6.2. - If the Services of the Society or their omission cause to the Client a damage which is proved to be the direct and reasonably foreseeable consequence of an error or omission of the Society, its liability towards the Client is limited to ten times the amount of fee paid for the Service having caused the damage, provided however that this limit shall be subject to a minimum of eight thousand (8,000) Euro, and to a maximum which is the greater of eight hundred thousand (800,000) Euro and one and a half times the above mentioned fee. These limits apply regardless of fault including breach of contract, breach of warranty, tort, strict liability, breach of statute, etc.

The Society bears no liability for indirect or consequential loss whether arising naturally or not as a consequence of the Services or their omission such as loss of revenue, loss of profit, loss of production, loss relative to other contracts and indemnities for termination of other agreements.

6.3. - All claims are to be presented to the Society in writing within three months of the date when the Services were supplied or (if later) the date when the events which are relied on were first known to the Client, and any claim which is not so presented shall be deemed waived and absolutely barred. Time is to be interrupted thereafter with the same periodicity.

ARTICLE 7

7.1. - Requests for Services are to be in writing.

7.2. - Either the Client or the Society can terminate as of right the requested Services after giving the other party thirty days' written notice, for convenience, and without prejudice to the provisions in Article 8 hereunder.

7.3. - The class granted to the concerned Units and the previously issued certificates remain valid until the date of effect of the notice issued according to 7.2. here above subject to compliance with 2.3. here above and Article 8 hereunder.

7.4. - The contract for classification and/or certification of a Unit cannot be transferred neither assigned.

ARTICLE 8

8.1. - The Services of the Society, whether completed or not, involve, for the part carried out, the payment of fee upon receipt of the invoice and the reimbursement of the expenses incurred.

8.2. - Overdue amounts are increased as of right by interest in accordance with the applicable legislation.

8.3. - The class of a Unit may be suspended in the event of non-payment of fee after a first unfruitful notification to pay.

ARTICLE 9

9.1. - The documents and data provided to or prepared by the Society for its Services, and the information available to the Society, are treated as confidential. However:

- "Clients have access to the data they have provided to the Society and, during the period of classification of the Unit for them, to the classification file consisting of survey reports and certificates which have been prepared at any time by the Society for the classification of the Unit ;
- "copy of the documents made available for the classification of the Unit and of available survey reports can be handed over to another Classification Society, where appropriate, in case of the Unit's transfer of class;
- "the data relative to the evolution of the Register, to the class suspension and to the survey status of the Units, as well as general technical information related to hull and equipment damages, may be passed on to IACS (International Association of Classification Societies) according to the association working rules;
- "the certificates, documents and information relative to the Units classed with the Society may be reviewed during certifying bodies audits and are disclosed upon order of the concerned governmental or inter-governmental authorities or of a Court having jurisdiction.

The documents and data are subject to a file management plan.

ARTICLE 10

10.1. - Any delay or shortcoming in the performance of its Services by the Society arising from an event not reasonably foreseeable by or beyond the control of the Society shall be deemed not to be a breach of contract.

ARTICLE 11

11.1. - In case of diverging opinions during surveys between the Client and the Society's surveyor, the Society may designate another of its surveyors at the request of the Client.

11.2. - Disagreements of a technical nature between the Client and the Society can be submitted by the Society to the advice of its Marine Advisory Committee.

ARTICLE 12

12.1. - Disputes over the Services carried out by delegation of Governments are assessed within the framework of the applicable agreements with the States, international Conventions and national rules.

12.2. - Disputes arising out of the payment of the Society's invoices by the Client are submitted to the Court of Nanterre, France, or to another Court as deemed fit by the Society.

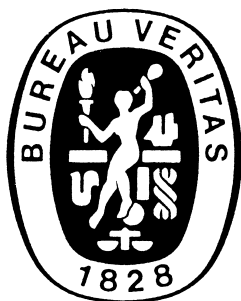
12.3. - Other disputes over the present General Conditions or over the Services of the Society are exclusively submitted to arbitration, by three arbitrators, in London according to the Arbitration Act 1996 or any statutory modification or re-enactment thereof. The contract between the Society and the Client shall be governed by English law.

ARTICLE 13

13.1. - These General Conditions constitute the sole contractual obligations binding together the Society and the Client, to the exclusion of all other representation, statements, terms, conditions whether express or implied. They may be varied in writing by mutual agreement. They are not varied by any purchase order or other document of the Client serving similar purpose.

13.2. - The invalidity of one or more stipulations of the present General Conditions does not affect the validity of the remaining provisions.

13.3. - The definitions herein take precedence over any definitions serving the same purpose which may appear in other documents issued by the Society.



RULE NOTE NR 612

NR 612

Rules for the Classification of Harbour Equipment

- Part A Classification and Surveys**
- Part B Hull and Stability**
- Part C Machinery, Systems and Electricity**
- Part D Additional Requirements for Notations**

November 2015

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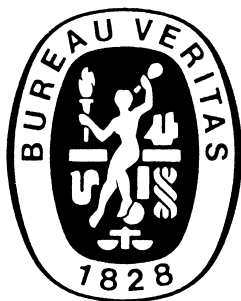
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RULES FOR HARBOUR EQUIPEMENT

Part A Classification and Surveys

Chapters 1 2 3

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Part A
Classification and Surveys

Chapter 1

PRINCIPLES OF CLASSIFICATION

- SECTION 1 GENERAL PRINCIPLES OF CLASSIFICATION**
- SECTION 2 CLASS DESIGNATION**
- SECTION 3 TYPE AND SERVICE NOTATIONS - ADDITIONAL SERVICE
FEATURES - ADDITIONAL CLASS NOTATIONS**

SECTION 1

GENERAL PRINCIPLES OF CLASSIFICATION

1 Principles of classification

1.1 Purpose of the Rules

1.1.1 This Rule Note gives the requirements for assignment and maintenance of class of harbour equipment, as defined in [1.2.5], operated in smooth stretches of water.

A special consideration will be given to harbour equipment intended to be operated on stretches of water where different conditions of water may be encountered.

1.1.2 The class assigned reflects the discretionary opinion of the Society that the harbour equipment, for declared conditions of use and within the relevant time frame, complies with the rules applicable at the time the service is rendered.

1.1.3 The general conditions valid at the time of signing of the contract with the Owner or prospective Owner, the Building Yard or Other Interested party apply.

1.1.4 The application criteria of the different parts of the present Rules are the following:

- Part A - Classification and Surveys: applies to all harbour equipment
- Part B - Hull Design and Construction: applies to harbour equipment whose hull is of welded steel construction
- Part C - Machinery, Systems and Electricity: applies to all harbour equipment
- Part D - Additional Requirements for Notations: applies to specific harbour equipment types.

Where necessary, the extent of application is more precisely defined in each chapter of these parts.

The classification of harbour equipment other than those dealt with in the above-mentioned Part B, Part C and Part D is covered by specific Rules published by the Society.

Classification according to this Rule Note applies primarily to new buildings constructed under survey of the Society. Classification may also be applied to existing equipment by a survey for admission to class/classification after construction, if sufficient documentation is available. See Ch 2, Sec 4, [1.2].

1.1.5 This Rule Note will be applied for structural elements of the hull and for components of the machinery and electrical installations of harbour equipment, subject to agreement between the Prospective Owner, the Other Interested party and the Building Yard for the classification order to the Society.

1.1.6 A harbour equipment not covered by any of the type and service notation defined in Ch 1, Sec 3 will be dealt with on a case-by-case basis.

1.2 General definitions

1.2.1 Administration

Administration means the competent authorities within the state where the unit is operated.

1.2.2 Building specification

The building specification is part of the building contract between the Prospective Owner, Other Interested Party and the Building Yard which specifies the technical parameters and all other details for construction of the harbour equipment.

1.2.3 Building Yard

The Building Yard is the contractual partner of the Prospective Owner or Other Interested Party, entrusted with managing the design, construction and equipment of the harbour equipment, generally together with a series of subcontractors and manufacturers.

1.2.4 Essential service

Essential service is intended to mean a service necessary for a harbour equipment to undertake activities connected with its operation and for the safety of life, as far as class is concerned.

1.2.5 Harbour equipment

Harbour equipment covers all non-propelled floating units equipped to provide facilities such as:

- cargo loading/unloading
- passengers embarking/disembarking
- vessels dry docking
- sealing or separation of water areas
- miscellaneous products supply or storage
- working surfaces, etc.

1.2.6 Hull

The hull is the structural body of a harbour equipment including all strength components, i.e. shell plating, wall, framing, decks, bulkheads, etc. of the main hull, superstructures and deckhouses. The hull also includes:

- all portions of the harbour equipment extending beyond the main hull outline (appendages)
- river chests
- structures permanently connected by weld to the harbour equipment's hull such as guard rails, bitts, fixed parts of lifting appliances, machinery bedding, etc.
- tanks integrated to the hull structure
- independent storage tanks.

1.2.7 Other Interested Party

Other Interested Party means other ordering subcontractors such as the broker, the Designer, the engine and components manufacturer, or the Supplier of parts to be tested, etc.

1.2.8 Owner or Prospective Owner

Owner or Prospective Owner means the Registered Owner or the Disponent Owner or the Manager or any other party responsible for the definition, purchase and/or operation of the harbour equipment and having the responsibility to keep the harbour equipment in good condition, having particular regard to the provisions relating to the maintenance of class.

1.2.9 Period of class

Period of class means the period starting either from the date of the initial classification or from the credited date of the last class renewal survey, and expiring at the limit date assigned for the next class renewal survey.

1.2.10 Smooth stretches of water

Smooth stretches of water cover operation of harbour equipment on water stretches where the maximum wave height does not exceed 0,6 m.

1.2.11 Society

Society means the Classification Society with which the harbour equipment is classed.

1.2.12 Statutory Rules

Statutory Rules are the national and international Rules and Regulations which apply to the harbour equipment but which are not covered by the classification.

1.2.13 Survey

Survey means an intervention by the Surveyor for assignment or maintenance of class, or interventions by the Surveyor within the limits of the tasks delegated by the Administrations.

1.2.14 Surveyor

Surveyor means technical staff acting on behalf of the Society to perform tasks in relation to classification and survey duties.

1.2.15 Type approval

Type approval means an approval process for verifying compliance with the Rules of a product, a group of products or a system, and considered by the Society as representative of continuous production.

1.3 Date of “contract for construction”

1.3.1 The date of “contract for construction” of a harbour equipment is the date on which the contract to build the harbour equipment is signed between the Prospective Owner or the Other Interested Party and the Building Yard. This date is normally to be declared to the Society by the ordering client applying for the assignment of class to a new building.

The date of “contract for construction” of a series of harbour equipment, including specified optional harbour equipment for which the option is ultimately exercised, is the date on which the contract to build the series is signed between the Prospective Owner or Other Interested Party and the Building Yard.

For the purpose of this definition, harbour equipment built under a single “contract for construction” are considered a “series of harbour equipment” if they are built to the same reviewed plans for classification purposes. However, harbour equipment units within a series may have design alterations from the original design, provided:

- such alterations do not affect matters related to classification, or
- if the alterations are subject to classification requirements, these alterations are to comply with the classification requirements in effect on the date on which the alterations are contracted between the Prospective Owner or Other Interested Party and the Building Yard or, in the absence of the alteration contract, comply with the classification requirements in effect on the date on which the alterations are submitted to the Society for review.

The optional harbour equipment will be considered part of the same series of harbour equipment if the option is exercised not later than 1 year after the contract to build the series was signed.

If a “contract for construction” is later amended to include additional harbour equipment or additional options, the date of “contract for construction” for such harbour equipment is the date on which the amendment to the contract is signed between the Prospective Owner or Other Interested Party and the Building Yard. The amendment to the contract is to be considered as a “new contract” to which the above applies.

If a “contract for construction” is amended to change the harbour equipment type, the date of “contract for construction” of this modified harbour equipment is the date on which the revised contract or new contract is signed between the Prospective Owner, or Prospective Owners, and the Building Yard.

1.4 Meaning of classification, scope and limits

1.4.1 The Rules, survey performed reports, certificates and other documents issued by the Society, are in no way intended to replace or alleviate the duties and responsibilities of other parties, such as Administrations, Designers, Building Yard, Manufacturers, Repairers, Suppliers, Contractors or Subcontractors, actual or Prospective Owners or Operators and Underwriters. The Society cannot therefore assume the obligations arising from these functions, even when the Society is consulted to answer inquiries concerning matters not covered by its Rules, or other documents.

1.4.2 The activities of such parties which fall outside the scope of the classification as set out in the Rules, such as design, engineering, manufacturing, operating alternatives, choice of type and power of machinery and equipment, number and qualification of operating personnel, remain therefore the responsibility of those parties, even if these matters may be given consideration for classification according to the type of the harbour equipment or additional class notation assigned.

1.4.3 The classification-related services and documents performed and issued by the Society do not relieve the parties concerned of their responsibilities or other contractual obligations expressed or implied or of any liability whatsoever, nor do they create any right or claim in relation to the Society with regard to such responsibilities, obligations and liabilities. In particular, the Society does not declare the acceptance or commissioning of a harbour equipment or any part of it, this being the exclusive responsibility of the Owner or Other Interested Party.

1.4.4 Unless otherwise specified, the Rules do not deal with structures, pressure vessels, machinery and equipment which are not permanently installed and used solely for operational activities, except for their effect on the classification-related matters, such as the harbour equipment's general strength.

1.4.5 During periods of construction, modification or repair, the harbour equipment is solely under the responsibility of the Builder or the Repair Yard. As an example, the Builder or Repair Yard is to ensure that the construction, modification or repair activities are compatible with the design strength of the harbour equipment and that no permanent deformations are sustained.

1.4.6 Structures, machinery and equipment determining the type of harbour equipment are subject to examination within the scope of classification, in accordance with the character of classification and affixed class notations.

Other systems and components may be included in the classification and/or certification procedure upon request of the Prospective Owner, the Other Interested Party and the Building Yard.

1.4.7 It is assumed that all parties involved in the planning and design, materials and components production and installation have the professional qualifications required and/or suitable facilities/equipment for fabrication. This will normally be established or confirmed by means of a certified quality assurance management system in accordance with ISO 9000, or equivalent.

1.4.8 When it is agreed to limit the classification to the harbour equipment's hull only, the parts of the harbour equipment which are to comply with the Rules are those mentioned in [1.2.6]. In such a case, the applicable stability requirements are also to be complied with and the classification notations defined in Ch 1, Sec 2 will be assigned only to the hull. Machinery, systems and electrical installations which are normally matters for classification are to be in compliance with the requirements of the competent Authority.

1.5 Request for service

1.5.1 Requests for interventions by the Society, such as request for classification, surveys during construction, surveys of harbour equipment in service, tests, etc., are in principle to be submitted in writing and signed by the Other Interested Party, the Owner, the Prospective Owner or the Building Yard. Such request implies that the applicant will abide by all the relevant requirements of the Rules and the General Conditions of the Society.

2 Rules

2.1 Effective date

2.1.1 The effective date of entry into force of any amendments to the Rules is indicated on the inside front page of the Rules or in the relevant Section.

2.2 Application

2.2.1 In principle, the applicable Rules for assignment of class to a new harbour equipment are those in force at the date of contract for construction. In the case of admission to class after construction, the Rules in force at the date of the request for classification apply.

2.2.2 Special consideration may be given to applying new or modified rule requirements which entered into force subsequent to the date of the contract for construction, at the discretion of the Society and in the following cases:

- when a justified written request is received from the party applying for classification
- when the keel is not yet laid and more than one year has elapsed since the contract was signed
- where it is intended to use existing previously reviewed plans for a new contract.

2.2.3 The above procedures for application of the Rules are, in principle, also applicable to existing harbour equipment in the case of major conversions and, in the case of alterations, to the altered parts of the harbour equipment.

2.2.4 The rule requirements related to assignment, maintenance and withdrawal of the class of harbour equipment already in operation are applicable from the date of their entry into force.

2.3 Equivalence

2.3.1 The Society may consider the acceptance of alternatives to this Rule Note, provided that they are deemed to be equivalent, to the satisfaction to the Society.

2.3.2 As a rule, material and equipment type approved in compliance with NR467 Rule for Steel Ships are considered acceptable within the scope of this NR612 Rule Note.

2.4 Novel features

2.4.1 The Society may consider the classification of harbour equipment based on or applying novel design principles or features, to which the Rule Note is not directly applicable, on the basis of experiments, calculations or other supporting information provided to the Society. The specific limitations will then be indicated on a memoranda.

2.5 Other construction Rules and Regulations

2.5.1 The appraisal of design and construction particulars by the Society will be exclusively based on Rules and Guidelines agreed upon in the specification of the classification contract between the Prospective Owner, the Other Interested Party or the Building Yard and the Society.

2.5.2 In addition, statutory construction Rules for harbour equipment may be applied upon agreement with the relevant Authority and if defined in the specification of the classification contract between the Prospective Owner, the Other Interested Party or the Building Yard and the Society.

2.5.3 The compliance to statutory Rules of the respective registry country is the responsibility of the Prospective Owner.

2.6 Industry Codes, Standards, etc

2.6.1 Internationally recognised Standards and Codes published by relevant organisations, national industry organisations or standardisation institutions may be used upon agreement in particular cases as a design and construction basis.

Examples: ISO, IEC, EN, DIN, NF.

3 Duties of the Interested Parties

3.1 International and National Regulations

3.1.1 The classification of a harbour equipment does not dispense the Owner, Other Interested Party and Building Yard from compliance with any requirements issued by Administrations.

3.2 Surveyor's intervention

3.2.1 Surveyors are to be given free access at all times to harbour equipment units which are classed or being classed, Building Yard and manufacturer works, to carry out their interventions within the scope of assignment or maintenance of class, or within the scope of interventions carried out on behalf of Administrations, when so delegated.

Free access is also to be given to experts or/and auditors accompanying the Surveyors of the Society within the scope of the audits as required in pursuance of the Society's internal Quality System or as required by external organizations.

3.2.2 Owners, Other Interested Parties and Building Yard are to take the necessary measures for the Surveyor's inspections and testing to be carried out safely and efficiently under their full responsibility. Owners, Other Interested Parties and Building Yard, irrespective of the nature of the service provided by the Surveyors of the Society or others acting on its behalf, assume with respect to such Surveyors all the responsibility of an employer for his workforce such as to meet the provisions of applicable legislation. As a rule, the Surveyor is to be constantly accompanied during surveys by personnel of the Owner, Other Interested Party or Building Yards.

3.2.3 The certificate of classification and/or other documents issued by the Society remain the property of the Society. All certificates and documents necessary to the Surveyor's interventions are to be made available by the Owner, Other Interested Party or Building Yard to the Surveyor on request

3.2.4 During the phases of design and construction of the harbour equipment, due consideration should be given to rule requirements in respect of all necessary arrangements for access to spaces and structures with a view to carrying out class surveys. Arrangements of a special nature are to be brought to the attention of the Society.

3.3 Operation and maintenance of harbour equipment

3.3.1 The classification of a harbour equipment is based on the understanding that the harbour equipment is operated in a proper manner by competent and qualified operating personnel according to the environmental, loading, operating and other criteria on which classification is based.

3.3.2 In particular, it will be assumed that the draught of the harbour equipment in operating conditions according to normal prudent conduct will not exceed that corresponding to the freeboard assigned or the maximum approved for the classification, that the harbour equipment will be properly loaded taking into account both its stability and the stresses imposed on its structures.

3.3.3 Any document issued by the Society in relation to its interventions reflects the condition of the harbour equipment as found at the time and within the scope of the survey. It is the Interested Party's responsibility to ensure proper maintenance of the harbour equipment until the next survey required by the Rules. It is the duty of the Interested Party to inform the Surveyor when he boards the harbour equipment of any events or circumstances affecting the class.

3.4 Use of measuring equipment and of service suppliers

3.4.1 General

Firms providing services on behalf of the Interested Party, such as measurements, tests and servicing of safety systems and equipment, the results of which may form the basis for the Surveyor's decisions, are subject to the acceptance of the Society, as deemed necessary.

The equipment used during tests and inspections in workshops, shipyards and on board harbour equipment, the results of which may form the basis for the Surveyor's decisions, is to be customary for the checks to be performed. Firms are to individually identify and calibrate to a recognised national or international standard each piece of such equipment.

3.4.2 Simple measuring equipment

The Surveyor may accept simple measuring equipment (e.g. rulers, tape measures, weld gauges, micrometers) without individual identification or confirmation of calibration, provided it is of standard commercial design, properly maintained and periodically compared with other similar equipment or test pieces.

3.4.3 On board measuring equipment

The Surveyor may accept measuring equipment fitted on board a harbour equipment (e.g. pressure, temperature or rpm gauges and meters) and used in examination of on board machinery and/or equipment based either on calibration records or comparison of readings with multiple instruments.

3.4.4 Other equipment

The Surveyor may request evidence that other equipment (e.g. tensile test machines, ultrasonic thickness measurement equipment, etc.) is calibrated to a recognised national or international standard.

3.5 Spare parts

3.5.1 It is the Owner's responsibility to decide whether and which spare parts are to be stored on board.

3.5.2 As spare parts are outside the scope of classification, the Surveyor will not check that they are kept on board, maintained in a satisfactory condition, or suitably protected and lashed.

However, in the case of repairs or replacement, the spare parts used are to meet the requirements of the Rules as far as practicable.

4 Application of statutory Rules by the Society

4.1 International and national Regulations

4.1.1 When authorised by the Administration concerned, the Society will act on its behalf within the limits of such authorisation. In this respect, the Society will take into account the relevant requirements, survey the harbour equipment, report and issue or contribute to the issue of the corresponding certificates.

4.1.2 The above surveys do not fall within the scope of the classification of harbour equipment, even though their scope may overlap in part and may be carried out concurrently with surveys for assignment or maintenance of class.

In the case of a discrepancy between the provisions of the applicable international and national Regulations and those of the Rules, normally, the former take precedence. However, the Society reserves the right to call for the necessary adaptation to preserve the intention of the Rules.

SECTION 2

CLASS DESIGNATION

1 General

1.1 Purpose of the classification notations

1.1.1 The class of a harbour equipment complying with this Rule Note is expressed by its classification notations assigned for hull and machinery, including electrical installations.

1.1.2 There are different kinds of classification notations, describing particular features, capabilities, service restrictions or special equipment and installations included in the classification.

1.1.3 The classification notations give the scope according to which the class of the harbour equipment has been based and refer to the specific rule requirements which are to be complied with for their assignment. In particular, the classification notations are assigned according to the additional service features of the harbour equipment and other criteria which have been provided by the Owner, Building Yard or Other Interested Party, when applying for classification.

1.1.4 The Society may change the classification notations at any time, when the information available shows that the requested or already assigned notations are not suitable for the intended mission and any other criteria taken into account for classification.

Note 1: Reference is to be made to Ch 1, Sec 1, [1.4] on the limits of classification and its meaning.

1.1.5 The classification notations assigned to a harbour equipment are indicated on the certificate of classification, as well as in the Register published by the Society.

It will be the decision of the Owner, Building Yard or Other Interested Party to have the notations, together with the whole class designation, included in the Register published by the Society or not.

1.1.6 The classification notations applicable to existing harbour equipment conform to the Rules of the Society in force at the date of assignment of class. However, the classification notations of existing harbour equipment may be updated according to the current Rules, as far as applicable.

1.1.7 At the request of the Owner and as far as applicable, the Society reserves the right to grant other class notations as defined in other Rules of the Society. The class maintenance surveys for such classification notations are to be performed to the corresponding requirements in the other Rules of the Society.

1.2 Types of notations assigned

1.2.1 The types of classification notations assigned to a harbour equipment are the following:

- a) character of construction
- b) character of class and compliance with the Rules
- c) character of class period
- d) type and service notations with additional service features, as applicable
- e) additional class notations (optional).

The different classification notations and their conditions of assignment are defined in [2] to [7].

1.2.2 Examples of class designation

Tab 1 shows examples of a class designation for hull and machinery of a harbour equipment covered by this Rule Note.

Table 1 : Examples of class designation

Type and service notation	Class designation
Floating dock	II ⚡ HULL • MC 5 Floating dock / Lifting capacity (4000 tons) / Self docking / Modular
Floating landing dock	I ⚡ HULL 10 Floating landing dock / Modular / Green passport
Floating door	I ⚡ HULL 10 Floating door
Floating bridge	I ⚡ HULL 10 Floating bridge / Capacity (5 tons) / Equipped for wheeled vehicles / Modular
Worksite unit	I ⚡ HULL 10 Worksite unit / Green passport
Floating storage	I ⚡ HULL ⚡ MC 10 Floating storage / Liquid products / DG-S

Table 2 : Hull and machinery - Mode of survey and certification

Component	Character	Rule requirements
Hull	⚡	Harbour equipment built under the supervision of the Society and with certification of components and materials in accordance with the Rules.
	⚡	Harbour equipment built under the supervision of another classification Society and which have been assigned a class equivalent to the Society's Rules of classification.
	•	Harbour equipment built under the supervision of the Society in accordance with the Rules but, e.g., without inspection by the Society of components and materials which, however, are deemed to be acceptable. It is the responsibility of the Building Yard, Owner or Other Interested Party to ascertain that the materials and equipment used in the harbour equipment's construction satisfactorily meet the Rules requirements. Depending on particular conditions or harbour equipment notations, inspection of materials and components by the Society may be required for essential services.
	•	In the event of admission to class or classification after construction of not classed harbour equipment.
Machinery	⚡, etc.	Same characters, followed by MC

2 Character of construction for hull and machinery installation

2.1 General

2.1.1 The character of construction identifies the procedure under which the harbour equipment and its main equipment or arrangements have been surveyed for initial assignment of the class (see Tab 2). However, the Society may change the character of construction where the harbour equipment is subjected to repairs, conversion or alterations. The procedures under which the harbour equipment is assigned one of the characters of construction are detailed in Ch 2, Sec 1.

2.1.2 One of the characters of construction defined below is assigned separately to the hull of the harbour equipment, to the machinery installation, and to some installations for which an additional classification notation is assigned.

The character of construction is placed before the symbol **HULL** for the hull, before the symbol **MC** for the machinery installations, and before the additional class notation granted, when such a notation is eligible for a character of construction (e.g. ⚡ Crane).

If the harbour equipment has no machinery installations covered by classification, the symbol **MC** is not granted and the character of construction will be only placed before the symbol **HULL**.

2.1.3 Character ⚡

The character ⚡ will be assigned to the relevant part of the harbour equipment when it has been constructed:

- under the survey of and in accordance with the Rules of the Society at the Building Yard and/or at subcontractors supplying construction components/hull sections, as applicable
- with certification by the Society of components and materials requiring inspection subject to the Society's construction Rules.

2.1.4 Character ⚡

The character ⚡ will be assigned to the relevant part of the harbour equipment when this latter has been designed and constructed in accordance with the Rules and under supervision of another classification Society and is subsequently, or at a later date, classed with the Society. See Tab 2.

2.1.5 Character •

The character • will be assigned to the relevant part of the harbour equipment, where the procedure for the assignment of classification is other than those detailed in [2.1.3] and [2.1.4] but however deemed acceptable. See Tab 2.

3 Characters of class and compliance with the Rules

3.1 General

3.1.1 The character of class and compliance with the Rules expresses the degree of compliance of the harbour equipment with the rule requirements as regards its construction and maintenance. One character of class and compliance with the Rules is to be assigned to every classed harbour equipment.

3.1.2 The character of class and compliance with the Rules I is assigned to harbour equipment built in accordance with the Society's Rules or other Rules recognised as equivalent, and maintained in a condition considered satisfactory by the Society.

3.1.3 The character of class and compliance with the Rules II is assigned to harbour equipment which do not meet all requirements for character of class and compliance with the Rules I, but are deemed acceptable to be entered into the Register of harbour equipment. In this case, the class may be maintained for shorter class periods or with shorter survey intervals. See Tab 3.

Table 3 : Compliance with the Rules and class period

Character	Description
Characters of class and compliance with the Rules	
I	For harbour equipment found to meet the construction and scantling requirements.
II	For harbour equipment that do not meet in full some construction or scantling requirements, but, however, are deemed acceptable to be entered in the Register published by the Society.
Characters of class period (p)	
10 5	These characters, preceding the range of navigation character, indicate the duration of the class period in years.

4 Character of class period

4.1 General

4.1.1 The character **p** indicates the duration of the nominal class period in years

Normally:

- **p** = 5, for **Floating dock**
- **p** = 10, for other harbour equipment.

The nominal class period may be extended in compliance with Ch 2, Sec 2, [5.2].

The nominal class period can be reduced in exceptional cases and for a limited time, if the harbour equipment does not fully comply with the Rules but has been allowed to operate under restrictions. See Tab 3.

5 Type and service notations

5.1 General

5.1.1 The type and service notations define the type and/or the service of the harbour equipment which have been considered for its classification, according to the request for classification signed by the Prospective Owner, Building Yard or Other Interested Party. At least one type and service notation is to be assigned to every classed harbour equipment.

5.1.2 A harbour equipment may be assigned several different type and service notations. In such a case, the specific rule requirements applicable to each type and service notation are to be complied with. However, if there is any con-

flict in the application of the requirements applicable to different type and service notations, the Society reserves the right to apply the most appropriate requirements or to refuse the assignment of one of the requested type and service notation.

6 Additional service features

6.1 General

6.1.1 The type and service notation may be completed by one or more additional service features, giving further precision regarding the type or service of the harbour equipment, for which specific rule requirements are applied, e.g.:

- **Selfdocking**
- **DG-S**
- **Lifting capacity(4000 tons).**

7 Additional class notations

7.1 General

7.1.1 An additional class notation expresses the classification of additional equipment or specific arrangement, which has been requested by the interested party, e.g.:

- **Modular**
- **Equipped for wheeled vehicles.**

7.1.2 The assignment of such an additional class notation is subject to the compliance with additional rule requirements, which are detailed in Part D.

SECTION 3

TYPE AND SERVICE NOTATIONS - ADDITIONAL
SERVICE FEATURES - ADDITIONAL CLASS
NOTATIONS

1 General

1.1 Type and service notations

1.1.1 Generally the type and service notations will be assigned according to the indications or suggestions of the prospective harbour equipment owner, Building Yard or other interested party.

1.1.2 The various type and service notations which may be assigned to a harbour equipment are defined in [2] to [8] according to the category to which they belong. These notations are also listed in Tab 1, together with corresponding additional service features.

1.1.3 The Society reserves the right to grant other type and service notations.

1.2 Additional service features

1.2.1 General

Additional service features are defined together with type and service notations to which they correspond in Tab 1.

The type and service notation may be also completed by the additional service features described in [1.2.2] and [1.2.3] depending upon:

- mode of operation in relation with energy supply
- hull material.

1.2.2 Mode of operation

Where regarding energy supply, the harbour equipment is fully independent with respect to shore systems, it will be assigned the additional service feature **Autonomous**.

Table 1 : Type and service notations and corresponding additional service features

Type and service notation [ref. in this Section]	Additional service feature [ref. in this Section]	Applicable Chapters or Sections
Floating dock [2]	Lifting capacity (x tons) [2.2.1] Autonomous [1.2.2] HS/AL/C/W/CR [1.2.3] Self docking [2.2.2] WB-LS [2.2.3] LA-LS [2.2.4] CA-LS [2.2.5]	Part D, Chapter 1
Floating landing dock [3]	Autonomous [1.2.2] HS/AL/C/W/CR [1.2.3]	Part D, Chapter 2
Floating door [4]	HS/AL/C/W/CR [1.2.3] Autonomous [1.2.2]	Part D, Chapter 3
Floating bridge [5]	Capacity (x tons) [5.2.1] HS/AL/C/W/CR [1.2.3]	Part D, Chapter 4
Worksite unit [6]	Autonomous [1.2.2] HS/AL/C/W/CR [1.2.3]	Part D, Chapter 5
Floating storage [7]	Dry products [7.2.1] Liquid products [7.2.2] Gaseous products [7.2.3] DG-S [7.2.4] Bunker station [7.2.5] Wastes [7.2.6] Autonomous [1.2.2] HS/AL/C/W/CR [1.2.3]	Part D, Chap 6 Part D, Chap 6 Part D, Chap 6 Part D, Chap 6 NR 217, Part D, Chap 3 Pt D, Ch 7, Sec 1 Pt D, Ch 7, Sec 1
Special service [8]	Particular service Autonomous [1.2.2] HS/AL/C/W/CR [1.2.3]	To be considered on a case-by-case basis according to their additional service feature

1.2.3 Special consideration for hull materials

If harbour equipment is constructed of normal strength hull structural steel, this will not be specially indicated. If other materials are employed for the hull, this will be indicated in the notations in the class certificate, e.g.:

- **HS** for higher strength hull structural steel
- **AL** for aluminium
- **C** for composite materials such as FRP
- **W** for wood
- **CR** for concrete.

1.3 Additional class notations

1.3.1 The additional class notations which may be assigned to a harbour equipment are defined in [9] and listed in Tab 2.

1.3.2 The Society reserves the right to grant other additional class notations.

2 Floating dock

2.1 Type and service notation

2.1.1 The type and service notation **Floating dock** applies to harbour equipment intended to lift floating units, complying with the requirements stated in Part D, Chapter 1.

2.2 Additional service features

2.2.1 Lifting capacity

The type and service notation **Floating dock** will be completed by the additional service feature **Lifting capacity (x tons)**, indicating the maximum weight **x**, in ton, of the vessel that the floating dock can lift.

2.2.2 Self docking

The type and service notation **Floating dock** will be completed by the additional service feature **Self docking**, when the floating dock consists of two continuous wing walls and a pontoon deck composed of longitudinally independent transverse detachable members connected to the lower flange of the wing walls by bolting or any other similar device.

2.2.3 Water ballast lifting system WB-LS

The type and service notation **Floating dock** will be completed by the additional service feature **WB-LS**, when the floating dock is designed to lift floating units using water ballast system.

2.2.4 Liquid air lifting system LA-LS

The type and service notation **Floating dock** will be completed by the additional service feature **LA-LS**, when the floating dock is designed to lift floating units using liquid air system.

2.2.5 Compressed air lifting system CA-LS

The type and service notation **Floating dock** will be completed by the additional service feature **CA-LS**, when the floating dock is designed to lift floating units using compressed air system.

3 Floating landing dock

3.1 Type and service notation

3.1.1 The type and service notation **Floating landing dock** applies to harbour equipment intended for drawing alongside vessels allowing operations such as bunkering, cargo loading and unloading, embarking and disembarking of passengers, etc, complying with the requirements stated in Part D, Chapter 2.

4 Floating door

4.1 Type and service notation

4.1.1 The type and service notation **Floating door** applies to a watertight box girder with flooding and dewatering system intended to be operated as movable gate to close dry dock or separate areas complying with the requirements stated in Part D, Chapter 3.

5 Floating bridge

5.1 Type and service notation

5.1.1 The type and service notation **Floating bridge** applies to harbour equipment intended to be used as a bridge supported by low flat-bottomed boats or pontoons complying with the requirements stated in Part D, Chapter 4.

5.2 Additional service feature

5.2.1 Capacity

The type and service notation **Floating bridge** will be completed by the additional service feature **Capacity (x tons)**, indicating the maximum weight **x**, in ton, of authorised vehicles.

6 Worksite unit

6.1 Type and service notation

6.1.1 The type and service notation **Worksite unit** applies to harbour equipment appropriately built and equipped for use at worksites, complying with the requirements stated in Part D, Chapter 5.

7 Floating storage

7.1 Type and service notation

7.1.1 The type and service notation **Floating storage** applies to harbour equipment appropriately built and equipped for storage of products in bulk or in package, complying with the requirements stated in Part D, Chapter 6.