Part A: Classification and Surveys

Part B: Hull and Stability

Part C: Machinery, Electricity, Automation and Fire Protection

Part D: Service Notations

Part E: Additional Class Notations

All ships

Seagoing ships whose Hull is of welded steel construction

All ships at the request of the Interested Party
Application:

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.

In principle, the applicable Rules for assignment of class to a new ship are those in force at the date of contract for construction.

The rule requirements related to assignment, maintenance and withdrawal of the class of ships already in operation are applicable from the date of their entry into force (example for surveys of ships in service: “…applicable for surveys commenced on or after the…”).
The date of “contract for construction” of a ship is the date on which the contract to build the ship is signed between the Owner and the Shipbuilder.

BV Rules Part A, Ch 1, Sec 1, [1.2.2] definition of date of “contract for construction”

which is based on IACS Procedural Requirement PR 29.
BV Rules

BV Rules for the Classification of Steel Ships

Part A

Classification and Surveys
Part A:

Chapter 1: Principles of classification and class notations

Chapter 2: Assignment, maintenance, suspension and withdrawal of Class

Chapter 3: Scope of surveys (all ships)

Chapter 4: Scope of surveys in respect of the different services of ships

Chapter 5: Scope of surveys related to additional class notations

Chapter 6: Retroactive requirements for existing ships
Part A:

Chapter 1: Principles of classification and class notations

- Principles of Classification
- Rules
- Duties of Interested Parties

- Class symbol
- Construction marks
- Service notations; additional service features
- Additional class notations
- Navigation and operating area notation
Part A:

Chapter 1: Principles of classification and class notations

Example of a bulk carrier service notation:

Bulk carrier CSR CPS(WBT) BC-A (maximum cargo density 2.5 t/m³; holds 2,4,6 may be empty) ESP GRAB(20)
Part A:

Chapter 2: Assignment, Maintenance, suspension and withdrawal of class

- Assignment: newbuilding procedure; classification after construction
- Maintenance: principles of surveys; definitions and procedures; certificate of classification; periodical and occasional surveys
- Suspension and withdrawal
- Acceptance criteria
Part A:

Chapter 3: Scope of surveys (all ships)

- annual survey
- intermediate survey
- class renewal survey
- bottom survey
- tailshaft survey
- boiler survey
- laid-up ships
Part A:

Chapter 4: scope of surveys in respect of the different services of ships

- bulk carriers, ore carriers, combination carriers, oil tankers, chemical tankers (ESP)
- liquefied gas carriers
- passenger ships
- general cargo ships
- other ship types
Part A:

Chapter 5: scope of surveys related to additional class notations
Examples of Other Rule Notes:

- Rules on Materials and Welding for the Classification of Marine Units
- Rules for Offshore Units
- Rules for Yachts
- Rules for Inland Navigation Vessels
- Approval of Service Suppliers
- Coating Performance Standard
- Rules for the Classification and the Certification of Cranes onboard Ships and Offshore Units
Common Rules (IACS)

Common Rules are IACS unified requirements covering broad areas of classification requirements which, once adopted by IACS Council, shall be applied by all Members without possibility of reservations.
¿QUÉ ES LA CLASIFICACION?

- Class symbol I, II
- Construction marks
- Service notations: ro-ro passenger ship, oil tanker, cargo ship.
- Navigation notations – unrestricted navigation, coastal waters.
- Additional notations SYS-NEQ-1, AUT-UMS, CLEAN SEA, COMF-NOISE.
- I { HULL { MACH roro passenger ship { AUT-UMS
- { CLEAN SEA, { COMF-NOISE
What a Classification Society is not?

- Insurance
- P&I
- Designer
- Flag authority
- Port authority
Rules and Regulations for the Classification of ships

► Public and updated every year. Contains the requirements for safety and pollution prevention, from the design and building stage, the operational life up to the scrap

► Requirements are about

1. Shipbuilding: plan approval, survey at yard, marine equipment and materials, tests and sea trials

2. Ship in service: maintenance of the safety level all over the operational life
Concepts?

- Stability and subdivision
- Structural resistance
- Propulsion and machinery installations
- Electrical installations
- Automation
- Marine equipment and materiales
Hull
Loading conditions

• Alternate loading exerts high shearing forces on hull girder that creates high shear stresses on side shell.

• Uneven loading causes “sagging” or “hogging”.

[Diagram of a ship showing loading conditions]
Cargo limits